

SWITCHED ACCESS SERVICE

6.1 General

Switched Access Service, which is available to customers for their use in furnishing their services to end users, provides a two-point electrical communications path between a customer's premises and an end user's premises. It provides for the use of common terminating, switching and transport facilities, and both common subscriber plant and unshared subscriber plant (i.e., entrance facilities) of the Telephone Company. Switched Access Service provides for the ability to originate calls from an end user's premises to a customer's premises, and to terminate calls from a customer's premises to an end user's premises in the LATA where it is provided.

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). 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)(3), 6.2.2(A)(5), 6.2.2(B)(4), 6.2.3(A)(5), 6.2.4(A)(4), 6.8.10 and 6.8.12 following. Finally, a credit is applied against line side Switched Access Service charges as described in 6.8.11 following.

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

Switched Access Service is provided in three standard service arrangements called (1) Feature Group A (FGA), (2) Feature Group B (FGB), and (3) Feature Group D (FGD). In association with Open Network Architecture (ONA) and in addition to the standard Feature Group Arrangements, Switched Access Service is also provided in three unbundled Basic Service Arrangements (BSA) called (1) Lineside Switched Access (Lineside BSA) and (2) Trunkside Switched Access (Trunkside BSA) and (3) Dedicated Network Access Link (DNAL BSA). Both types of service arrangements have alternative or optional features that may be purchased by customers.

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6.1 General (Cont'd)

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

6.1.1 Switched Access Service Arrangements

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 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.

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6.1 General (Cont'd)

6.1.1 Switched Access Service Arrangements (Cont'd)

Manner of Provision (Cont'd)

Because some customers will wish, or may be required, to further segregate their originating Trunkside BSA - MTS/WATS Option, Trunkside BSA-101XXXX Option, or FGD traffic into separate trunk groups, Originating traffic type is further categorized into Domestic, WATS Toll Free Data Base Access Service, Operator, and Switched 56 (S56) Kilobit Service. Domestic traffic type represents access capacity for carrying only domestic traffic other than WATS Toll Free Data Base Access Service and Operator traffic. WATS Toll Free Data Base Access Service, and Operator traffic type represents access capacity for carrying, respectively, only WATS Toll Free Data Base Access Service, or Operator traffic; and Switched 56 (S56) Kilobit Service traffic types represent access capacity for carrying only Switched 56 (S56) Kilobit Service.

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6.1 General (Cont'd)

6.1.1 Switched Access Service Arrangements (Cont'd)

Manner of Provision (Cont'd)

All trunkside connections provided in the same combined access group will be limited to the same features and operating characteristics.

An out of band signaling connection as described in 6.2.6 following is required in conjunction with Trunkside BSA-101XXXX Option and Feature Group D equipped with out of band signaling. An out of band signaling connection provides the interconnection between the Telephone Company's STP pair and the customer's SPOI(s).

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.

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 Section 3 preceding.

WATS Toll Free Data Base Access Service, described in 6.4.3A following.

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6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(A) Switched Transport

The Switched Transport rate category provides the transmission facilities between the customer's premises and the end office switch(es) where the customer's traffic is switched to originate or terminate the customer's communications. For purposes of determining Switched Transport mileage, distance will be measured from the wire center that normally serves the customer's premises to the end office switch(es). Mileage measurement rules are set forth in 6.8.10 following and in this section.

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

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.

When the customer has ordered Trunkside BSA-101XXXX Option or Feature Group D with out of band signaling the Telephone Company will provide out of band signaling in accordance with the technical specifications set forth in Verizon Supplement Common Channel Signaling (CCS) Network Interface Specification Issue #1 December 1990, and Supplement, August 1992, and Technical Reference TR-TSV-000905, August 1989, and TR-TSV-000962, Issue 1, September 1990, and as specified in 6.2.6 following.

Switched Transport is provided at the rates and charges set forth in 6.9.1 following. The application of these rates with respect to individual Switched Access Arrangements is as set forth in 6.8.1(D) 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.

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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 or a DS3 rate. 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 6.2.4 following.

(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 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, or DS3). 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 6.2.4 following.

(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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6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(3) Tandem Switched Transport Rate Category (Cont'd)

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. For WATS Toll Free Data Base Access Service originating access minutes, the Tandem Switching rate provides for tandem transport, tandem transmission, and tandem switching. No other Tandem Switched Transport usage charges will be assessed for WATS Toll Free Data Base Access Service originating access minutes. For Other Than WATS Toll Free Data Base Access Service originating access minutes, 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. (C)

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.

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6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

When WATS Access Line Service is ordered to the end office that normally serves the customer and that office is an equal access end office without WATS screening capability, service is provided from the nearest equal access end office with WATS screening capability (WSO).

In those cases, there is no direct trunked transport applicable to the distance between the end office that normally serves the customer and the office that provides the WSO.

(1) Interface Groups

Ten Interface Groups are provided for terminating the Switched Transport at the customer's premises.

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

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

Interface Group 1 is provided with Type C Transmission Specifications, and Interface Groups 2 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.

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6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(1) Interface Groups (Cont'd)

Only certain premises interfaces are available at the customer premises. 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 (2)(k) following.

(a) Interface Group 1 (USOC TPP1X)

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

Interface Group 1 is not provided in association with 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.

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

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6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(1) Interface Groups (Cont'd)

(b) Interface Group 2 (USOC TPP2X)

Interface Group 2, provides four-wire 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 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) 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.

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

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6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(1) Interface Groups (Cont'd)

(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.

SWITCHED ACCESS SERVICE

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(1) Interface Groups (Cont'd)

(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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6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(1) Interface Groups (Cont'd)

(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 Groups 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.

SWITCHED ACCESS SERVICE

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(1) 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 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			

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

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6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(1) Interface Groups (Cont'd)

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

Interface Group	Telephone Company Switch Supervisory Signaling	Premises Interface Code	Switched Access Service*			
			1	2	3	4
1	LO, GO,	2DX3	X			
	LO, GO,	4EA3-E	X			
	LO, GO	4EA3-M	X			
	LO, GO	6EB3-E	X			
	LO, GO	6EB3-M	X			
	RV, EA, EB, EC	2DX3		X	X	X
	RV, EA, EB, EC	4EA3-E		X	X	X
	RV, EA, EB, EC	4EA3-M		X	X	X
	RV, EA, EB, EC	6EB3-E		X	X	X
	RV, EA, EB, EC	6EB3-M		X	X	X
	EA, EB, EC	6EC3			X	X
	RV	2RV3-0		X	X	X
	RV	2RV3-T		X	X	X
	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	X	X

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

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6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(1) Interface Groups (Cont'd)

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

Interface Group	Telephone Company Switch Supervisory Signaling	Premises Interface Code	Switched Access Service*			
			1	2	3	4
2	RV, EA, EB, EC	4SF3		X		
	RV, EA, EB, EC	4DX2		X	X	X
	RV, EA, EB, EC	4DX3	X			
	RV, EA, EB, EC	6DX2		X		
	RV, EA, EB, EC	6EA2-E		X	X	X
	RV, EA, EB, EC	6EA2-M		X	X	X
	RV, EA, EB, EC	8EB2-E		X	X	X
	RV, EA, EB, EC	8EB2-M	X	X	X	
	EA, EB, EC	8EC2-M			X	X
	RV	4RV2-O		X	X	X
	RV	4RV2-T		X	X	X
	RV	4RV3-O			X	X
	RV	4RV3-T		X	X	
	Out of Band Signaling	4N02				X
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

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

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6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(1) Interface Groups (Cont'd)

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

Interface Group	Telephone Company Switch Supervisory Signaling	Premises Interface Code	Switched Access Service*			
			1	2	3	4
6	LO, GO	4DS9-15	X			
	LO, GO	4DS9-15L	X			
	RV, EA, EB, EC	4DS9-15		X	X	X
	RV, EA, EB, EC	4DS9-15L		X	X	X
	Out of Band Signaling	4DS9-15				X
	64CCC	4DS9-15S				X
	64CCC	4DS9-15				X
7	LO, GO	4DS9-31	X			
	RV, EA, EB, EC	4DS9-31		X	X	X
	LO, GO	4DS9-13L	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				
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
	64CCC	4DS6-44				X
10	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 FGC
 (4) Trunkside BSA-101XXXX Option or FGD

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6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(2) Nonchargeable Optional Features

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

(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 offices. Generally such signaling is available only where the entry switch provides an analog, i.e., nondigital 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.

SWITCHED ACCESS SERVICE

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(2) Nonchargeable Optional Features (Cont'd)

(b) Customer Specified Entry Switch Receive Level

This feature allows the customer to specify the receive transmission level at the first point of switching. The range of transmission levels which may be specified is described in Technical Reference PUB 62500. This feature is available with Interface Groups 2 through 10 for Lineside BSA, 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.

SWITCHED ACCESS SERVICE

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(2) Nonchargeable Optional Features (Cont'd)

(d) Out of Band Signaling

1. This ordering option allows the customer to exchange signaling for Trunkside BSA-101XXXX Option and Feature Group D call setup 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 6.2.6 following.
2. Out of band signaling is provided in both the originating and terminating direction on Trunkside BSA-101XXXX Option and FGD service.

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 2.3.13, 2.3.14(A) (4) and (6) preceding.
4. Out of band signaling is subject to the rates and charges as specified in 6.8.1(C) (2), 6.9.2(C) and (G) following.

SWITCHED ACCESS SERVICE

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(2) Nonchargeable Optional Features (Cont'd)

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

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 exist. 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.
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 6.2.5. following.
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.

SWITCHED ACCESS SERVICE

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(2) Nonchargeable Optional Features (Cont'd)

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

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 6.2.6 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 6.2.6 following.

(3) Chargeable Optional Features

(a) WATS Toll Free Data Base Access Service

1. The basic query charge is assessed the customer based on the query of the WATS Toll Free code +NXX+XXXXX number dialed and/or delivered to the customer in conjunction with WATS Toll Free Data Base Access Service. WATS Toll Free code+NXX+XXXXX calls delivered to the customer are routed based on information derived via queries to the WATS Toll Free Data Base.

2. Vertical Feature Package Charge

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

SWITCHED ACCESS SERVICE

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(3) Chargeable Optional Features (Cont'd)

(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 1. and 2. 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 1. and/or 2. 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).

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.

SWITCHED ACCESS SERVICE

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(3) Chargeable Optional Features (Cont'd)

(c) 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.

(d) 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.

(e) 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. Rate regulations specific to Shared Network Arrangements are contained in 6.8 following.

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SWITCHED ACCESS SERVICE

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(B) End Office

(1) Local Switching

The Local Switching rate element provides for the use of end office switching equipment.

Where end offices are appropriately equipped, international dialing may be provided as a capability associated with Feature Group D. 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 FGD equipped end office.

Rates for local switching are differentiated based upon the directionality of the traffic carried over the Switched Access Service. The rates for local switching are specified in 6.9 following. The application of these rates with respect to Switched Access Arrangements is as specified in 6.8 following.

(C)
|
(C)

SWITCHED ACCESS SERVICE

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(B) End Office (Cont'd)

(1) Local Switching (Cont'd)

There are two types of local switching functions, i.e., Common Switching functions and Transport Termination functions. These are described in (a) and (b) following.

(a) Common Switching

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

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

(b) 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.

The number of Transport Terminations provided will be determined by the Telephone Company as specified in 6.6.6 following.

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SWITCHED ACCESS SERVICE

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(B) End Office (Cont'd)

(1) Local Switching (Cont'd)

There are two types of End Office Trunk Ports, i.e., Local Switching Shared End Office Trunk Port and Local Switching Dedicated End Office Trunk Port. These are described in (c) and (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. Access minutes for all Switched Access Service subject to the Shared End Office Trunk Port will be multiplied by the applicable originating or terminating per minute rate set forth in 6.9 following. (C)
(C)

(d) 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.

A Transitional Per-Minute Charge will apply from July 1, 2012 through June 30, 2013 to all Transitional Intrastate Access Service end-office switching minutes, as defined in 47 C.F.R. 51.903(j). The charge will be calculated as set forth in 47 C.F.R. §51.907(b)(2)(v). The charge will be eliminated July 1, 2013.

Composite Terminating End Office Charge (CTEOC) will apply to all terminating access minutes of use. (N)
(N)

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SWITCHED ACCESS SERVICE

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(B) End Office (Cont'd)

(2) WATS Toll Free Access Service Nonrecurring Charge

The WATS Toll Free Access Service nonrecurring charge is assessed to the customer based on NXXs activated or deactivated, in conjunction with WATS 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 NXXs ordered 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.

(3) Operator Transfer Service* Charge

(T)

(D)

(D)

* Effective April 6, 2013, Operator Transfer Service has been withdrawn and is no longer available. (N)
(N)

SWITCHED ACCESS SERVICE

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(C) Switched 56-kilobit Service Charge

The Switched 56-kilobit Service charge is assessed to the customer based on the total number of Switched 56-kilobit access minutes. Switched 56-kilobit Service access minutes are those access minutes transported via separate Switched 56-kilobit Service trunks as specified in 6.2.4 following.

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

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

6.1.6 Ordering Options and Conditions

Switched Access Service is ordered under the Access Order provisions specified in Section 5 preceding. Also, included in that section are other charges which may be associated with ordering Switched Access Service, e.g., Service Date Change Charges, Cancellation Charges, etc.

SWITCHED ACCESS SERVICE

6.2 Provision and Description of Switched Access Service Arrangements

Switched Access Feature Group Service is provided in three different Service Arrangements, Feature Groups A through D. The provision of each arrangement requires Switched Transport facilities and the appropriate End Office functions. In addition, WATS Access Lines may, at the option of the customer, be provided for use with Feature Group D.

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 specified 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 WATS Toll Free Data Base Access Service is arranged for originating only. Originally 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.

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

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, unless specifically stated otherwise, are available at all Telephone Company end office switches.

SWITCHED ACCESS SERVICE

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

6.2.1 Feature Group A (FGA)* (N)

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

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

- (5) FGA switching, when used in the terminating direction, is arranged with dial tone start-dial signaling. When used in the terminating direction FGA switching may, at the option of the customer, be arranged for dial pulse or dual tone

* Effective February 13, 2026, this service is no longer available to new customers. Moves, changes, or modifications to this service will no longer be supported. Service modifications for customers with existing contracts are subject to the terms of their contracts. (N)

SWITCHED ACCESS SERVICE

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

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

(A) Description (Cont'd)

(5) (Cont'd)

the customer, be arranged for dial pulse or dual tone multifrequency address signaling, subject to availability of equipment at the first point of switching. When FGA switching is provided in a hunt group or uniform call distribution arrangement, all FGA switching will be arranged for the same type of address signaling.

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

(7) FGA switching, when used in the terminating direction, may be used to access valid NXXs in the LATA, local operator service (0- and 0+), Directory Assistance, emergency reporting service, exchange telephone repair, time or weather announcement services of the Telephone Company, community information services of an information service provider, and other customer services. Calls to community information services of an information service provider are permitted only where mutually acceptable billing arrangements for nonaccess charges can be negotiated between the customer and the Telephone Company. Where mutually acceptable billing arrangements cannot be negotiated, calls to community information services will not be completed. Charges for FGA terminating calls requiring operator assistance or calls to local exchange telephone repair or 911 will only apply where sufficient call details are available. Additional nonaccess charges will also be billed on a separate account: 1) for an operator surcharge, as specified in the General Services Tariff for local operator assistance (0- and 0+) calls; 2) where mutually acceptable billing arrangements can be negotiated between the customer and the Telephone Company, for calls to certain community information services, for which rates are applicable under the Local Exchange Services Tariff, e.g., Audiotex Service; and, 3) for 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 for

* Effective February 13, 2026, this service is no longer available to new customers. Moves, changes, or modifications to this service will no longer be supported. Service modifications for customers with existing contracts are subject to the terms of their contracts. (N)

SWITCHED ACCESS SERVICE

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

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

(A) Description (Cont'd)

(7) (Cont'd)

that customer. For calls to Directory Assistance, Local Transport rates for FGA Switched Access Service will not apply. Instead, Switched Transport for calls to this service is subject to a per-call rate as specified in 9.6(B) following. Additionally, calls to Directory Assistance are subject to the Directory Assistance Service call rate specified in 9.6(A) following.

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

(9) Customers with FGA may obtain a directory listing at the rates specified in the General Services Tariff for Regular and Special Types of Business Additional Listings.

(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

(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

* Effective February 13, 2026, this service is no longer available to new customers. Moves, changes, or modifications to this service will no longer be supported. Service modifications for customers with existing contracts are subject to the terms of their contracts. (N)

SWITCHED ACCESS SERVICE

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

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

(B) Optional Features (Cont'd)

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

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

(3) Switched Transport Optional Features

- (a) Supervisory Signaling (as specified in 6.1.3(B) (3) (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 other tariffs. These are:

- (a) Speed Dialing
- (b) Remote Call Forwarding
- (c) Billed Number Screening
- (d) IntraLATA extensions

(C) Transmission Specifications

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

* Effective February 13, 2026, this service is no longer available to new customers. Moves, changes, or modifications to this service will no longer be supported. Service modifications for customers with existing contracts are subject to the terms of their contracts. (N)

SWITCHED ACCESS SERVICE

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

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

(D) Testing Capabilities

FGA is provided, in the terminating direction where equipment is available, with seven-digit access to balance (100 type) test line and milliwatt (102 type) test line. In addition to the tests described in 6.1.6 preceding which are included with the installation of service, Additional Cooperative Acceptance Testing and Non-Scheduled Testing are available for FGA as set forth in 13.3.5 following.

6.2.2 Feature Group B (FGB)

(A) Description

- (1) FGB, when directly routed to an end office (i.e., provided without the use of an access tandem switch), is provided at appropriately equipped Telephone Company electronic end office switches. When provided via Telephone Company designated electronic access tandem switches. FGB switching is provided at Telephone Company electronic and electromechanical end office switches.
- (2) FGB is provided as trunk side switching through the use of end office or access tandem switch trunk equipment. The switch trunk equipment is provided with wink start start- pulsing signals and answer and disconnect supervisory signaling.
- (3) FGB switching is provided with multifrequency address signaling in both the originating and terminating directions. Except for FGB switching provided with the automatic number identification (ANI) or rotary dial station signaling arrangements as set forth in 6.4 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.

* Effective February 13, 2026, this service is no longer available to new customers. Moves, changes, or modifications to this service will no longer be supported. Service modifications for customers with existing contracts are subject to the terms of their contracts. (N)
|
|
(N)

SWITCHED ACCESS SERVICE

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

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

(A) Description (Cont'd)

- (4) The access code for FGB switching is a uniform access code. The form of the uniform access code is 950-10XX for carriers. One uniform access code will be assigned to the customer for the customer's domestic communications and another will be assigned to the customer for its international communications, if required. These uniform access codes will be the assigned access numbers of all FGB switched access service provided to the customer by the Telephone Company.
- (5) FGB switching, when used in the terminating direction, may be used to access valid NXXs in the LATA, time or weather announcement services of the Telephone Company, community information services of an information service provider and other customers' services (by dialing the appropriate digits). Calls to community information services of an information service provider are permitted only where mutually acceptable billing arrangements for nonaccess charges can be negotiated between the customer and the Telephone Company. Where mutually acceptable billing arrangements cannot be negotiated, calls to community information services will not be completed. 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 nonaccess charges where mutually acceptable billing arrangements can be negotiated between the customer and the Telephone Company, for calls to certain community information services for which rates are applicable under the Local Exchange Services Tariff, e.g., Audiotex Service. Additionally, nonaccess 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 950-10XX access codes, local operator assistance (0- and 0+), Directory Assistance (411 where available and 555-1212), service code 911 where available, or 101XXXX access codes. FGB may not be switched, in the terminating direction, to Switched Access Service Feature Groups B, C and D and to Trunkside BSA-950 Option, Trunkside BSA-MTS/WATS Option, or Trunkside BSA-101XXXX Option.

SWITCHED ACCESS SERVICE

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

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

(A) Description (Cont'd)

- (6) The Telephone Company will establish a trunk group or groups for the customer at end office switches or access tandem switches where FGB switching is provided. When required by technical limitations, 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 subject to the availability of the Telephone Company equipment.
- (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

(2) Transport Termination Optional Features

- (a) Rotary Dial Station Signaling

(3) Switched Transport Optional Features

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

- (4) Another feature, Billed Number Screening, which may be available in connection with FGB, is provided under the General Regulations Tariff.

SWITCHED ACCESS SERVICE

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

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

(C) Transmission Specifications

Feature Group B is provided with either Type A, Type B or Type C Transmission Specifications as indicated following:

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

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

(D) Testing Capabilities

FGB is provided, in the terminating direction where equipment is available, with seven digit access to balance (100 type) test line, milliwatt (102 type) test line, nonsynchronous or synchronous test line, automatic transmission measuring (105 type) test line, data transmission (107 type) test line, loop around test line, short circuit test line and open circuit test line. In addition to the tests described in 6.1.6 preceding which are included with the installation or service, Additional Cooperative Acceptance Testing, Automatic Scheduled Testing, Cooperative Scheduled Testing, Manual Scheduled Testing and Non-Scheduled Testing are available as set forth in 13.3.5 following.

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

6.2.3 Feature Group D (FGD)

(A) Description

- (1) FGD or Trunkside BSA-101XXXX Option 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 or Trunkside BSA-101XXXX Option is provided as trunk side switching through the use of end office or access tandem switch trunk equipment. The switch trunk equipment maybe 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 or Trunkside BSA-101XXXX Option switching is provided with multifrequency address signaling or out of band signaling. Up to 12 digits of the called party number dialed by the customer's end user using dial 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.
- (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, i.e., by dialing the appropriate codes, when such services can be reached using valid NXX codes. Calls to community information services of an information service provider are permitted only where mutually acceptable billing arrangements for nonaccess charges can be negotiated between the customer and the Telephone Company. Where mutually acceptable billing arrangements cannot be negotiated, calls to community information services will not be completed. 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

SWITCHED ACCESS SERVICE

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

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

(A) Description (Cont'd)

(4) (Cont'd)

subtending the access tandem may be accessed. The customer will also be billed additional nonaccess charges where mutually acceptable billing arrangements can be negotiated between the customer and the Telephone Company, for calls to certain community information services, for which rates are applicable under the Local Exchange Services Tariff, e.g., Audiotex Service. Additionally, nonaccess 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 950-10XX access codes; local operator assistance, 0- and 0+; service code 911 where available; and 101XXXX access codes. Calls will not be completed to Directory Assistance, 411 where available and 555-1212, unless FGD switching is combined with Directory Assistance switching. FGD may not be switched, in the terminating direction, to Switched Access Service Feature Groups B or D and to Trunkside BSA-950 Option, Trunkside BSA-MTS/WATS Option or Trunkside BSA-101XXXX Option.

- (5) The Telephone Company will establish a trunk group or groups for the customer at end office switches or access tandem switches where FGD switching is provided. When required by technical limitations, a separate trunk group will be Established for each type of FGD switching arrangement provided. Different types of FGD or other switching arrangements may be combined in a single trunk group at the option of the Telephone Company. (T)
- (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. No access code is required for calls to a customer over FGD Switched Access Service if the end user's telephone exchange service is for presubscription to that customer, as specified in Section 13 following.

SWITCHED ACCESS SERVICE

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

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

(A) Description (Cont'd)

(6) (Cont'd)

Where no access code is required, the number dialed by the customer's end user shall be a seven- or ten-digit number for calls in the North American Numbering Plan (NANP). For international calls outside the NANP, a seven- to twelve- digit number may be dialed. The form of the numbers dialed by the customer's end user is NXX-XXXX, 0 or 1 + NXX-XXXX, NPA + NXX-XXXX, 0 or 1 + NPA + NXX-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 also provides for dialing the digit 0 for access to the customers operator, 911 for access to the Telephone Company's emergency reporting service, or the end-of-dialing digit, #, for cut-through access to the customer's premises.

- (7) FGD switching will be arranged to accept calls from telephone exchange service locations without the need for dialing 101XXXX uniform access code. Each Exchange Service line may be marked with a presubscription code to identify which 101XXXX code its calls will be directed to for interLATA service. Presubscription codes are applied as specified in Section 13 following.
- (8) A WATS Access Line may, at the option of the customer, be provided for use with FGD Switched Access Service. A WATS Access Line provides a connection between a customer's end user's premises and a Telephone Company end office switch capable of performing the necessary screening functions for WATS Toll Free Service, WATS Outward Service or similar services and is provided only for use at the closed end of such services.

WATS Access Lines are arranged for either originating calling only or terminating calling only. They are provided with rotary dial or dual tone multifrequency address signaling and either loop start or ground start supervisory signaling. The choice of the type of signaling is at the option of the customer.

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SWITCHED ACCESS SERVICE

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

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

(A) Description (Cont'd)

(8) (Cont'd)

WATS Access Lines are provided as either an effective two-wire or effective four-wire transmission path. Each transmission path is provided with Standard Transmission Specifications and Data Transmission Parameters as specified in 6.5.1 and 6.5.2(C) following. At the option of the customer, the WATS Access Line may be ordered with the Improved Two-wire Voice Transmission Specifications. Guaranteed specifications are as specified in 6.5.3 following.

(D)

(D)

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SWITCHED ACCESS SERVICE

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

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

(A) Description (Cont'd)

(D)

(D)

(9) At the option of the customer, Switched 56-kilobit Service is available for use with Trunkside BSA-101XXXX Option and Feature Group D. Switched 56-kilobit Service traffic is ordered as specified in Section 5.2.8 of this tariff, and is delivered to the customer via separate Trunkside BSA-101XXXX Option or FGD trunks capable of supporting 56 Kbps digital trunks capable of supporting 56 Kbps digital transmission.

(T)

SWITCHED ACCESS SERVICE

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

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

(A) Description (Cont'd)

(9) (Cont'd)

(T)

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+NPA+NXX-XXXX, 101XXXX+NXX-XXXX, NPA+NXX-XXXX, 1+NPA+NXX-XXXX, or 101XXXX+NPA+NXX-XXXX.

All rates and charges normally applicable to Trunkside BSA-101XXXX Option and Feature Group D, i.e., nonrecurring, monthly, and usage sensitive, apply to Switched 56-kilobit Service. Additionally, a per Switched 56-kilobit Service access minute-of-use charge specified in 6.1.3 preceding and 6.9 following, apply to Switched 56-kilobit Service.

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

(B) Optional Features

(1) Common Switching Optional Features

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

SWITCHED ACCESS SERVICE

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

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

(B) Optional Features (Cont'd)

(1) Common Switching Identification (ANI) (Cont'd)

- (i) Uniform Call Distribution Arrangement for Use with WATS Access Lines
- (j) Nonhunting Number for Use with Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use with WATS Access Lines
- (k) Band Advance Arrangement for Use with WATS Access Lines
- (l) Calling Party Number *†
- (m) Charge Number *
- (n) Carrier Selection Parameter *#
- (o) Access Transport Parameter *#

(2) Transport Termination Optional Features

Operator Trunk, Full Feature Arrangement

(3) Local Transport Optional Features

- (a) Supervisory Signaling, as specified in 6.1.3(B) (3) (a) preceding
- (b) WATS Toll Free Data Base Access Service

(4) WATS Access Lines

- (a) Two-wire WATS Access Line
- (b) Four-wire WATS Access Line
- (c) Improved Two-wire Voice Transmission Specifications

* Available only on originating FGD.

† CPN is not offered where it is not technically feasible.

Available only at selected Telephone company switches.

SWITCHED ACCESS SERVICE

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

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

(C) Transmission Specifications

Feature Group D is provided with either Type A, Type B or Type C Transmission Specifications as follows:

When routed directly to the end office either Type B or C is provided.

When routed to an access tandem only Type A is provided.

Type A is provided on the transmission path from the access tandem to the end office.

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

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

For WATS Toll Free Data Base Access Service traffic originating from equal access end offices with Data Base query functionality, all normal Feature Group D parameters apply.

For WATS Toll Free Data Base Access Service traffic originating from all other end offices. Type A Transmission Specifications are provided for the facility between the access tandem and the customers premises.

(D)
(D)

(D) Testing Capabilities

Feature Group D is provided, in the terminating direction where equipment is available, with seven-digit access to balance, 100 type, test line; milliwatt, 102 type, test line; nonsynchronous or synchronous test line; automatic transmission measuring, 105 type, test line; data transmission, 107 type, test line; loop around test line; short circuit test line; and open circuit test line. In addition to the tests described in 6.1.6 preceding which are

SWITCHED ACCESS SERVICE

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

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

(D) Testing Capabilities (Cont'd)

included with the installation of service, additional Cooperative Acceptance Testing, Automatic Scheduled Testing, Cooperative Scheduled Testing, Manual Scheduled Testing, and Nonscheduled Testing, are available for FGD as specified in section 13.3.5 of this tariff.

6.2.4 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, type of Entrance Facility, such as DS3, DS1, or Voice Grade. 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, DS3, DS1, or Voice Grade to be used. If Tandem Switched Transport is requested, the Telephone Company shall determine the type of facilities to be used from the SWC of the customer's premises to the end office, via the access tandem, unless the customer has ordered Direct Trunked Transport to the tandem. The Telephone Company will base its determination on a busy hour minutes of capacity or on a per trunk basis provided by the customer when ordering service.

The types of facilities available to the customer for Entrance Facilities and Direct Trunked Transport facilities for Lineside or Trunkside Switched Access service are voice grade, DS1 and DS3. Following is a brief description of each type of facility. Each type has its own characteristics and is available with multiplexing options as set forth in 6.1.2 preceding.

(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 preceding.

(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 preceding.

SWITCHED ACCESS SERVICE

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

6.2.4 Switched Transport Facilities (Cont'd)

(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 preceding.

6.2.5 Common Channel Signaling Access Service

Common Channel Signaling Access Service (CCSAS) enables a customer that is connected to the Telephone Company's SS7 network to exchange SS7 messages among and between interconnected switching elements and signaling transfer points (STPs). CCSAS connectivity will support the functions of all other network elements connected to the Telephone Company's SS7 network. This includes the use of the Telephone Company's SS7 network to convey messages which neither originate nor terminate at a Telephone Company signaling point (SP) or service switching point (SSP) (i.e., transient messages). When the Telephone Company's SS7 network is used to convey these transient messages, there shall be no alteration of the Integrated Services Digital Network User Part (ISDNUP) or the Transaction Capabilities Application Part (TCAP) user data that constitutes the content of the message. CCSAS connectivity also includes use of the Telephone Company's SS7 network to convey messages initiated from a customer's SSP to the Telephone Company's AIN Signaling Control Point (SCP), LIDB, Toll Free and BVS databases.

CCSAS is provisioned for two-way transmission of out-of-band SS7 signaling information.

Each CCSAS Signaling Connection provides two-way digital transmission at a speed of 56 Kbps. The connection to the Telephone Company's STP pair can be made from either the customer's SP, which requires a minimum of two 56 Kbps circuits, or from the customer's STP pair, which requires a minimum of four 56 Kbps circuits. The STP locations are set forth in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. (NECA) TARIFF F.C.C. NO. 4. Where multiple STP pairs are deployed in a Telephone Company LATA, Telephone Company end offices or tandems are interconnected to only one STP pair. The customer must route terminating traffic to the STP pair serving the end office or tandem switch where the call is to be terminated.

Customers ordering CCSAS in connection with BSA-101XXXX Option and FGD are subject to the requirements specified in 2.3.13 and 2.3.14 preceding.

SWITCHED ACCESS SERVICE

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

6.2.5 Common Channel Signaling Access Service (Cont'd)

When CCSAS is ordered, network compatibility and other operational tests will be performed jointly between the Telephone Company and the customer at locations, dates, and times as specified by the Telephone Company in consultation with the customer. These tests are as specified in General Requirements GR-905-CORE, Issue 1, March 1995. When a 64 Kbps clear channel circuit (CCC) is ordered, the SS7 interfaces as specified in Technical Reference TR-TSV-00962, Issue 1, September, 1990, will also be tested. Successful completion of the appropriate tests is necessary to receive CCSAS. To protect the security of the network, certain information provided, (i.e., point codes), by the Telephone Company to the customer will be subject to a non-disclosure agreement.

At the customer's request, CCSAS will be modified to accept SS7 signaling messages and protocol specified in TR-TSV-00962, Issue 1, September 1990 when Trunkside BSA-101XXXX Option and FGD with out-of-band signaling is provided in accordance with 6.1.2.(A) (6) (e). Successful completion of testing in accordance with TR-TSV-000962 is also required in this scenario.

CCSAS is subject to the rates and charges as specified in 6.8.1.(C) (3) and 6.9.1.(F) and (M) following. A monthly recurring distance-sensitive STP Mileage charge will be assessed on a per dedicated 56 Kbps out-of-band signaling connection basis for transport of signaling information between the customer's SPOI and the Telephone Company's STP. A monthly recurring STP Port charge will be assessed on a per port basis for the customer's dedicated port at the Telephone Company's STP. A nonrecurring Switched Access Connection charge will be assessed per 56 Kbps dedicated out-of-band signaling connection.

6.3 Provision and Description of Switched Access BSAs

Switched Access Service is also provided in the form of three unbundled Basic Serving Arrangements (BSAs)-Lineside, Trunkside and Dedicated Network Access Link (DNAL) connections. The provision of Lineside and Trunkside BSAs requires Switched Transport facilities and the appropriate Local Switching functions. The provision of the DNAL BSA requires Channel Mileage Facilities and the appropriate Channel Termination functions.

There are also various Switched Transport and Local Switching optional features and Basic Service Elements (BSEs) available with a BSA. Unless specifically stated otherwise, these BSEs and features are available at most Telephone Company end office switches. WATS Access Line Service termination optional features and BSEs are available only in the end office designated as WATS serving offices.

SWITCHED ACCESS SERVICE

6.3 Provision and Description of Switched Access BSAs

There are three specific transmission specifications (i.e., Types A, B, and C) that have been identified for the provision of BSAs. The specifications provided are dependent on the interface group and the routing of the service (i.e., whether the service is routed directly to the end office or via an access tandem). The parameters for the transmission specifications are set forth in section 6.6 following.

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

SWITCHED ACCESS SERVICE

6.3 Provision and Description of Switched Access BSAs (Cont'd)

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

The name of the BSA offered and the name of the service as provided are Lineside BSA (identified in Bell Operating Companies ONA Services User Guide, Service Description section, dated July 31, 1991 as Circuit Switched Lineside BSA) and Trunkside BSA (identified in Bell Operating Companies ONA Services User Guide, Service Description section, dated July 31, 1991 as Circuit Switched Trunkside BSA).

6.3.1 Lineside BSA* (N)

(A) General Description

- (1) Lineside BSA is provided in connection with the Telephone Company electronic and electromechanical end offices. At the option of the customer, Lineside BSA is provided on a single or multiple line group basis and is arranged for originating calling only, terminating calling only, or two-way calling. Lineside BSA, which is available to all customers, provides line side access to Telephone Company end office switches with an associated seven digit local telephone number for the customer's use in originating communications from and terminating communications to an Interexchange Carrier's interstate service or a customer provided interstate communications capability. The customer must specify the Interexchange Carrier to which the Lineside BSA service is connected or, in the alternative, specify the means by which the Lineside BSA access communications are transported to another state.
- (2) Lineside BSA provides for a line side termination at the first point of switching, which shall be selected by the Telephone Company within the requested LATA, unless the customer requests a different location at which Telephone Company facilities and measurement capabilities are available to accommodate such a request.
- (3) The Telephone Company assigns a seven digit telephone number associated with the selected end office to provide access to Lineside BSA in the originating direction. The assigned number will be in the form NXX-XXXX. If the customer requests a specific number that is currently unassigned, the requested number will be assigned to the customer if the Telephone Company can comply with that request with reasonable effort.

* Effective February 13, 2026, this service is no longer available to new customers. Moves, changes, or modifications to this service will no longer be supported. Service modifications for customers with existing contracts are subject to the terms of their contracts. (N)

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SWITCHED ACCESS SERVICE

6.3 Provision and Description of Switched Access BSAs (Cont'd)

6.3.1 Lineside BSA* (Cont'd) (N)

(A) General Description (Cont'd)

- (4) Calls from end users to the seven digit telephone numbers associated with Lineside BSA may be subject to Telephone Company Local and/or General Exchange Service tariff charges (including message unit and toll charges, as applicable). The monthly bills rendered to customers for their Lineside BSA service for which section 3, Carrier Common Line Access Service charges apply will include a credit to reflect message unit charges collected from their end users under the Telephone Company's Local and/or General Exchange Service tariffs. The credit will apply for recorded or assumed originating usage, as appropriate, for the Lineside BSA service provided. When the credit is applied on assumed usage, such credit will not exceed the assumed levels of usage set forth in section 6.8.8. No credit will apply for any terminating Lineside BSA access minutes. The message unit credit for originating Lineside BSA access minutes is set forth in section 6.8.11.
- (5) At the option of the customer, Lineside BSA will be provided:
 - (a) with either ground start or loop start supervisory signaling and
 - (b) on a single or multiple line group basis.
- (6) When Lineside BSA is used in the originating direction, no address signaling is provided by the Telephone Company. If such signaling is required, it must be provided by the customer's end user using inband tone signaling techniques. 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.
- (7) When used in the terminating direction, Lineside BSA is arranged with dial tone start-dial signaling. At the option of the customer, terminating Lineside BSA may be arranged for dial pulse or dual tone multifrequency address signaling, subject to the availability of equipment at the first point of switching. When Lineside BSA is provided with a hunt group or uniform call distribution arrangement BSE, all Lineside BSAs will be arranged for the same type of address signaling.

* Effective February 13, 2026, this service is no longer available to new customers. Moves, changes, or modifications to this service will no longer be supported. Service modifications for customers with existing contracts are subject to the terms of their contracts. (N)
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(N)

SWITCHED ACCESS SERVICE

6.3 Provision and Description of Switched Access BSAs (Cont'd)

6.3.1 Lineside BSA* (Cont'd) (N)

(A) General Description (Cont'd)

(7) (Cont'd)

Lineside BSA switching, when used in the terminating direction, may be used to access valid NXXs in the LATA, local operator service (0- and 0+), Directory Assistance (411 where available and 555-1212), emergency reporting service (911 where available), time or weather announcement services of the Telephone Company, community information services of an information service provider, and other customer's services (by dialing the appropriate digits). Charges for Lineside BSA terminating calls requiring operator assistance or calls to local exchange telephone repair or 911 will only apply where sufficient call details are available.

- (8) Additional non-access charges will also be billed on a separate account for (1) an operator surcharge, as set forth in the local exchange tariffs, for local operator assistance (0- and 0+) calls, (2) calls to certain community information services, for which rates are applicable under Telephone Company exchange service tariffs, e.g., 976 Network Services, and, (3) calls from a Lineside BSA line to another customer's service in accordance with that customer's applicable service rates when the Telephone Company performs the billing function for that customer.

For Lineside BSA calls to Directory Assistance (411 where available and 555-1212), Switched Access Service usage rates will not apply. Instead, Lineside BSA calls to this service are subject to the Directory Assistance and Directory Assistance Service per call rates as set forth in section 9.6(B) following.

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

* Effective February 13, 2026, this service is no longer available to new customers. Moves, changes, or modifications to this service will no longer be supported. Service modifications for customers with existing contracts are subject to the terms of their contracts. (N)
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(N)

SWITCHED ACCESS SERVICE

6.3 Provision and Description of Switched Access BSAs (Cont'd)

6.3.1 Lineside BSA* (Cont'd) (N)

(B) Lineside BSA Optional Features and BSEs

(1) Common Switching

- (a) Hunting Service Arrangements (BSE)
- (b) Uniform Call Distribution Arrangement (BSE)
- (c) Non-Hunt Directory Numbers (BSE)
- (d) Call Denial (Optional Feature)
- (e) Service Code Denial (Optional Feature)
- (f) Toll Billing Exception (Optional Feature)
- (g) WATS Access Line Service with the following options:
 - (1) Hunt Group Arrangement (Optional Feature)
 - (2) Uniform Call Distribution Arrangement (Optional Feature)
 - (3) Nonhunting Number for use with Hunt Group Arrangement or Uniform Call Distribution Arrangement (Optional Feature)
 - (4) Code Screening (Optional Feature)
 - (5) Overflow Advance Arrangement (Optional Feature)
- (h) Answer Supervision with a Line Side Interface (BSE)
- (i) Make Busy Arrangement (BSE)
- (j) Three-Way Call Transfer (BSE)
- (k) Messaging Services Interface (BSE)
- (l) Three-Way Calling (BSE)
- (m) Line Monitor Service (BSE)
- (n) Direct Inward Dialing Service (BSE)
- (o) DID Trunk Queuing (BSE)

* Effective February 13, 2026, this service is no longer available to new customers. Moves, changes, or modifications to this service will no longer be supported. Service modifications for customers with existing contracts are subject to the terms of their contracts. (N)

SWITCHED ACCESS SERVICE

6.3 Provision and Description of Switched Access BSAs (Cont'd)

6.3.1 Lineside BSA* (Cont'd)

(N)

(B) Lineside BSA Optional Features and BSEs

(2) Transport Termination

- (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.

(3) Switched Transport

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

* Effective February 13, 2026, this service is no longer available to new customers. Moves, changes, or modifications to this service will no longer be supported. Service modifications for customers with existing contracts are subject to the terms of their contracts.

(N)
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(N)

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6.3 Provision and Description of Switched Access BSAs (Cont'd)

6.3.1 Lineside BSA* (Cont'd) (N)

(B) Lineside BSA Optional Features and BSEs

(4) Certain other features which may be available in connection with Lineside BSA are provided under the Telephone Company's General Subscriber Service Tariffs. These are:

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

(C) Transmission Specifications

Lineside BSA is provided with either Type A 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 9. Type DB Data Transmission Parameters are provided with Lineside BSA to the first point of switching.

(D) Testing Capabilities

Lineside BSA is provided, in the terminating direction where equipment is available, with seven-digit access to balance (100 type) text and milliwatt (102 type) test line. In addition to the tests described in 6.1.6 preceding which are included with the installation of service, additional Cooperative Acceptance Testing and Nonscheduled Testing are available for Lineside BSA as set forth in section 13.3.5 following.

* Effective February 13, 2026, this service is no longer available to new customers. Moves, changes, or modifications to this service will no longer be supported. Service modifications for customers with existing contracts are subject to the terms of their contracts. (N)
|
|
(N)

SWITCHED ACCESS SERVICE

6.3 Provision and Description of Switched Access BSAs (Cont'd)

6.3.2 Trunkside BSA

Trunkside BSA is provided in switched access options. These are differentiated by their technical characteristics, e.g., the manner in which an end user accesses them in originating calls. Three options are offered as Trunkside BSA - 950 Option, Trunkside BSA-MTS/WATS Option and Trunkside BSA-101XXXX Option. The Trunkside - 950 Option is provided as set forth in 6.4.2.1 following. The Trunkside BSA - MTS/WATS Option is provided as set forth in 6.4.2.2 following. The Trunkside BSA-101XXXX Option is set forth in 6.4.2.3 following.

Trunkside BSAs provide trunk side access to Telephone Company end office switches, either directly or through a Telephone Company designated Switched Access Service tandem switch. The Telephone Company will establish a trunk group (or groups) between the customer's premises and end office or access tandem switches, based on the technical limitations imposed by the type, directionality and quantity of traffic specified by the customer. Different Switched Access Service arrangements may be combined in a single group at the option of the Telephone Company.

6.3.2.1 Trunkside BSA-950 Option

(A) General Description

Trunkside BSA-950 Option, which is available to all customers, provides trunk side access to Telephone Company end office switches with an associated uniform 950-0XXX or 950-1XXX access code for non-WATS Toll Free and non-900 Access Service for the customer's use in originating communications from and terminating communications to an Interexchange Carrier's interstate service or a customer provided interstate communications capability. The customer must specify the Interexchange Carrier to which the Trunkside BSA - 950 Option is connected or, in the alternative, specify the means by which the access communication is transported to another state.

Trunkside BSA-950 Option may be directly routed only to appropriately equipped electronic end office switches. Trunkside BSA - 950 Option may be provided via Telephone Company designated electronic access tandem switches to other Telephone Company electronic and electromechanical end office switches.

Trunkside BSA-950 Option switch trunk equipment is provided with (a) wink start start-pulsing signaling and (b) answer and disconnect supervisory signaling.

SWITCHED ACCESS SERVICE

6.3 Provision and Description of Switched Access BSAs (Cont'd)

6.3.2 Trunkside BSA

6.3.2.1 Trunkside BSA-950 Option (Cont'd)

(A) General Description (Cont'd)

Trunkside BSA-950 Option is provided with multifrequency address signaling. With exception of Trunkside BSA - 950 Option provided with the automatic number identification (ANI) or rotary dial station signaling Local Switching optional features, any other address signaling required by the customer in the originating direction must be provided by the customer's end user using inband tone signaling techniques.

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.

When all Trunkside BSA-950 Option service is discontinued at an end office and/or in a LATA, an intercept announcement indicating that the service associated with the number dialed has been discontinued will be provided for a limited period of time.

Trunkside BSA-950 Option switching, when used in the terminating direction, may be used to access valid NXXs in the LATA, time or weather announcement services of the Telephone Company, community information services of an information service provider, and other customers' services (by dialing the appropriate digits). When directly routed to an end office, only those valid NXX codes served by that end office may be accessed. When routed through an access tandem, only those valid NXX codes served by end offices subtending the access tandem may be accessed. The customer will also be billed additional non-access charges for calls to certain community information services for which rates are applicable under Telephone Company exchange service tariffs, e.g., 976 Network Service. Additionally, non-access charges will also be billed for calls from a Trunkside BSA-950 Option 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

SWITCHED ACCESS SERVICE

6.3 Provision and Description of Switched Access BSAs (Cont'd)

6.3.2 Trunkside BSA (Cont'd)

6.3.2.1 Trunkside BSA-950 Option (Cont'd)

(A) General Description (Cont'd)

terminating direction will not be completed to 950-0XXX or 950-1XXX access codes, local operator assistance (0- and 0+), Directory Assistance (411 and 555-1212), service code 911, or 101XXXX access codes. Calls will be completed to Directory Assistance (NPA-555-1212 or 555-1212) when Trunkside BSA-950 Option switching is combined with Directory Assistance Switching. The combination of Trunkside BSA - 950 Option Switched Access Service with Directory Assistance Service is provided as set forth in section 9 following.

Trunkside BSA-950 Option may not be switched, in the terminating direction, to Switched Access Service Lineside BSA, Trunkside BSAs, or Feature Groups. When a provider of MTS and WATS subscribes to both Trunkside BSA-950 Option and Trunkside BSA-101XXXX Option at an equal access end office or to both Trunkside BSA-950 Option and Trunkside BSA-MTS/WATS Option at any end office, all such Trunkside BSA-950 Option, Trunkside BSA-MTS/WATS Option and Trunkside BSA-101XXXX Option usage originating and terminating at those end offices will be subject to the premium Carrier Common Line, Switched Transport, Local Switching - LS2, and Information Subcharge rates set forth in 6.9.

(B) Trunkside BSA-950 Option Optional Features and BSEs

(1) Common Switching

- (a) Automatic Number Identification (BSE)
- (b) Up to 7 Digit Outputting of Access Digits to customer (Optional Feature)
- (c) WATS Access Line Service with the following options:
 - (1) Hunt Group Arrangement (Optional Feature)
 - (2) Uniform Call Distribution Arrangement (Optional Feature)
 - (3) Non-hunting number for use with Hunt Group or Uniform Call Distribution Arrangements (Optional Feature)

SWITCHED ACCESS SERVICE

6.3 Provision and Description of Switched Access BSAs (Cont'd)

6.3.2 Trunkside BSA

6.3.2.1 Trunkside BSA-950 Option (Cont'd)

(B) Trunkside BSA-950 Option Optional Features and BSEs

(1) Common Switching

(c) (Cont'd)

(4) Code Screening (Optional Feature)

(5) Overflow Advance Arrangement (Optional Feature)

(d) Alternate Traffic Routing (BSE)

(2) Transport Termination

(a) Rotary Dial Station Signaling

(3) Switched Transport

(a) Customer Specification of Switched Transport
Termination

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

(c) Customer Specified Entry Switch Receive Level

(d) WATS Toll Free Data Base Access Service

(C) Transmission Specifications

Trunkside BSA-950 Option 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 Trunkside BSA-950 Option to the first point of switching.

SWITCHED ACCESS SERVICE

6.3 Provision and Description of Switched Access BSAs (Cont'd)

6.3.2 Trunkside BSA (Cont'd)

6.3.2.1 Trunkside BSA-950 Option (Cont'd)

(D) Testing Capabilities

Trunkside BSA-950 Option 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, Automatic Scheduled Testing, Cooperative Scheduled Testing, Manual Scheduled Testing and Nonscheduled Testing are available as set forth in 13.3.4 following.

6.3.2.2 Trunkside BSA-MTS/WATS Option

(A) General Description

Trunkside BSA-MTS/WATS Option is available only to a customer furnishing interstate MTS/WATS. It is available in all Telephone Company end offices which are not equipped to provide Switched Access Service arrangements. Existing Trunkside BSA-MTS/WATS Option service will be converted to Trunkside BSA-101XXXX Option service when it becomes available in an end office.

No access code is required for Trunkside BSA-MTS/WATS Option 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. When the end office is equipped for International Direct Distance Dialing (IDDD) the form is 01+CC+NN or 011+CC+NN.

SWITCHED ACCESS SERVICE

6.3 Provision and Description of Switched Access BSAs (Cont'd)

6.3.2 Trunkside BSA

6.3.2.2 Trunkside BSA-MTS/WATS Option (Cont'd)

(A) General Description (Cont'd)

Trunkside BSA-MTS/WATS Option switch trunk equipment is provided with answer and disconnect supervisory signaling. Wink start start-pulse signaling is provided in all offices where available. In those offices where wink start start-pulse signaling is not available, delay dial start pulse signaling will be provided, unless immediate dial pulse signaling is provided, in which case no start-pulsing signaling is provided.

Trunkside BSA-MTS/WATS Option is provided with multi-frequency address signaling except in certain electromechanical end office switches where such signaling is not available. In these 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 signaling will be provided by the Telephone Company equipment to the customer premises where the Switched Access Service terminates. Called party number signals will be subject to the ordinary transmission capabilities of the Local Transport provided.

Trunkside BSA-MTS/WATS Option 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 the services can be reached using valid NXX codes. 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. Where measurement capabilities exist, the customer will also be billed additional non-access charges for calls to certain community information services, for which rates are applicable under Telephone Company exchange service tariffs, e.g., 976 Network

SWITCHED ACCESS SERVICE

6.3 Provision and Description of Switched Access BSAs (Cont'd)

6.3.2 Trunkside BSA (Cont'd)

6.3.2.2 Trunkside BSA-MTS/WATS Option (Cont'd)

(A) General Description (Cont'd)

Service. Additionally, non-access charges will also be billed for calls from a Trunkside BSA-MTS/WATS Option trunk to another customer's service in accordance with that customer's applicable service rates when the Telephone Company performs the billing function for that customer. Calls in the terminating direction will not be completed to 950-0XXX or 950-1XXX access codes, local operator assistance (0- and 0+), Directory Assistance (411 and 555-1212), service code 911, or 101XXXX access codes. Calls will be completed to Directory Assistance (NPA-555-1212 or 555-1212) when Trunkside BSA-MTS/WATS Option switching is combined with Directory Assistance Switching. The combination of Trunkside BSA-MTS/WATS Option Switched Access Service with Directory Assistance Service is provided as set forth in section 9 following. Trunkside BSA-MTS/WATS Option may not be switched, in the terminating direction, to Switched Access Service.

(B) Trunkside BSA-MTS/WATS Option Optional Features and BSEs

(1) Common Switching

- (a) Automatic Number Identification (BSE)
- (b) Service Class Routing (Optional Feature)
- (c) Dial Pulse Address Signaling (Optional Feature)
- (d) Revertive Pulse Address Signaling (Optional Feature)
- (e) Immediate Dial Pulse Address Signaling (Optional Feature)
- (f) Panel Call Indicator Address Signaling (Optional Feature)
- (g) Code Screening for use with WATS Access Line Service (Optional Feature)

SWITCHED ACCESS SERVICE

6.3 Provision and Description of Switched Access BSAs (Cont'd)

6.3.2 Trunkside BSA

6.3.2.2 Trunkside BSA-MTS/WATS Option (Cont'd)

(B) Trunkside BSA-MTS/WATS Option Optional Features and BSEs

(1) Common Switching

(h) Hunt Group Arrangement for Use with WATS Access Line Service (Optional Feature)

(i) Uniform Call Distribution Arrangement for Use with WATS Access Line Service (Optional Feature)

(j) Nonhunting Number for Use with Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use with WATS Access Line Service (Optional Feature)

(k) Overflow Advance Arrangement for Use with WATS Access Line Service (Optional Feature)

(2) Transport Termination

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

(3) Switched Transport

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

(4) WATS Access Line Termination

(a) E&M Supervisory Signaling

SWITCHED ACCESS SERVICE

6.3 Provision and Description of Switched Access BSAs (Cont'd)

6.3.2 Trunkside BSA

6.3.2.2 Trunkside BSA-MTS/WATS Option (Cont'd)

(C) Transmission Specifications

Trunkside BSA-MTS/WATS Option is provided with either Type B or Type C Transmission Specifications as follows:

- (1) When routed directly to the end office either Type B or Type C is provided.
- (2) When routed to an access tandem only Type B is provided.
- (3) 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 Trunkside BSA-MTS/WATS Option for the transmission path between the customer's premises and the end office when directly routed to the end office, and Type DB Data Transmission Parameters are provided for the transmission path between the customer's premises and the access tandem and between the access tandem and the end office when routed via an access tandem.

(D) Testing Capabilities

Trunkside BSA-MTS/WATS Option is provided, in the terminating direction where equipment is available, with seven digit access to balance (100 type) test line, milliwatt (102 type) test line, nonsynchronous or synchronous test line, automatic transmission measuring (105 type) test line, data transmission (107 type) test line, loop around test line, short circuit test line and open circuit test line. In addition to the tests described in 6.1.6 preceding which are included with the installation of service, additional Cooperative Acceptance Testing, Automatic Scheduled Testing, Cooperative Scheduled Testing, Manual Scheduled Testing and Nonscheduled Testing are available as set forth in 13.3.4 following for Trunkside BSA-MTS/WATS Option.

SWITCHED ACCESS SERVICE

6.3 Provision and Description of Switched Access BSAs (Cont'd)

6.3.2 Trunkside BSA (Cont'd)

6.3.2.3 Trunkside BSA-101XXXX Option

(A) General Description

Trunkside BSA-101XXXX Option is available to all customers at Telephone Company designated electronic end office switches, whether routed directly or via Telephone Company designated electronic access tandem switches. Trunkside BSA-101XXXX Option provides trunk side access to end office switches with an associated uniform 101XXXX access code for use in originating and terminating communications.

All Trunkside BSA-101XXXX Options provided to the customer by the Telephone Company will use these uniform access codes.

No access code is required for calls to a customer over a Trunkside BSA-101XXXX Option if the Switched Access Service customer's end user has presubscribed its Telephone Exchange Service to that customer, as set forth in section 4.2 preceding.

When no access code is required, 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. When the end office is equipped for International Direct Distance Dialing (IDDD) the form is 01+CC+NN or 011+CC+NN.

Trunkside BSA-101XXXX Option switch trunk equipment is provided with

- (a) start start-pulse signaling and
- (b) answer and disconnect supervisory signaling
- (c) or without signaling when out of band signaling is specified.

SWITCHED ACCESS SERVICE

6.3 Provision and Description of Switched Access BSAs (Cont'd)

6.3.2 Trunkside BSA (Cont'd)

6.3.2.3 Trunkside BSA-101XXXX Option (Cont'd)

(A) General Description (Cont'd)

Trunkside BSA-101XXXX Option is provided with multi-frequency address signaling or out of band signaling. Up to twelve digits of the called party number dialed by the customer's end user using dual tone multifrequency or dial pulse address signaling will be provided by the Telephone Company equipment to the customer's premises where the Switched Access Service terminates. Called party number signals will be subject to the ordinary transmission capabilities of the Local Transport provided.

Trunkside BSA-101XXXX Option switching, when used in the terminating direction, may be used to access valid NXXs in the LATA, time or weather announcement services of the Telephone Company, community information services of an information service provider, and other customer Trunk-side-101XXXX Option 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 end office may be accessed. When routed through an access tandem, only those valid NXX codes served by end offices subtending the access tandem may be accessed. The customer will also be billed additional non-access charges for calls to certain community information services for which rates are applicable under Telephone Company exchange service tariffs, e.g., 976 Network Service.

Additionally, non-access charges will also be billed for calls from a Trunkside BSA-101XXXX Option trunk to another customer's service in accordance with that customer's applicable service rates when the Telephone Company performs the billing function for that customer. Calls in the terminating direction will not be completed to 950-0XXX or 950-1XXX access codes, local operator assistance (0- and 0+), Directory Assistance (411 and 555-1212), service code 911, or 101XXXX access codes. Calls will be completed to Directory Assistance (NPA-555-1212 or 555-1212) when Trunkside BSA-101XXXX Option switching is combined with Directory Assistance Switching. The combination of Trunkside BSA-101XXXX

SWITCHED ACCESS SERVICE

6.3 Provision and Description of Switched Access BSAs (Cont'd)

6.3.2 Trunkside BSA (Cont'd)

6.3.2.3 Trunkside BSA-101XXXX Option (Cont'd)

(A) General Description (Cont'd)

Option Switched Access Service with Directory Assistance Service is provided as set forth in section 9. following. Trunkside BSA-101XXXX Option may not be switched, in the terminating direction, to Switched Access Service Trunkside BSAs.

The Telephone Company will establish a trunk group or groups for the customer at end office switches or access tandem switches where Trunkside BSA-101XXXX Option Switching is provided. When required by technical limitations, a separate trunk group will be established for each type of Trunkside BSA-101XXXX Option switching arrangement provided. Different types of Trunkside BSA-101XXXX Option or other switching arrangements may be combined in a single trunk group at the option of the Telephone Company.

The access code for Trunkside BSA-101XXXX Option switching is a uniform access code of the form 101XXXX. These uniform access codes will be the assigned access numbers of all Trunkside BSA-101XXXX Option access provided to the customer by the Telephone Company. No access code is required for calls to a customer over Trunkside BSA-101XXXX Option Switched Access Service if the end user's telephone exchange service, including Pay Telephone Lines, or the customer's Lineside BSA Switched Access Service is arranged for presubscription to that customer, as set forth in 13 following.

Calls originating from a WAL Service by the end user's dialing WATS Toll Free code+NXX+XXXX, 1+WATS Toll Free code+NXX-XXXX, 900+NXX-XXXX or 1+900+NXX-XXXX will be routed to the Switched Access Service of the WATS Toll Free or 900 service provider. Calls originating from a WAL Service by the end user's dialing unassigned NXXs, local operator assistance (0-), service codes (211 and 911), directory assistance (411) and 101XXXX access codes will not be completed.

SWITCHED ACCESS SERVICE

6.3 Provision and Description of Switched Access BSAs (Cont'd)

6.3.2 Trunkside BSA (Cont'd)

6.3.2.3 Trunkside BSA-101XXXX Option (Cont'd)

(A) General Description (Cont'd)

When the 101XXXX access code is used, Trunkside BSA-101XXXX Option switching also provides for dialing the digit 0 for access to the customer's operator, 911 for access to the Telephone Company's emergency reporting service, or the end-of-dialing digit (#) for cut through access to the customer's premises.

Trunkside BSA-101XXXX Option switching will be arranged to accept calls from telephone exchange service or Lineside BSA locations without the need for dialing 101XXXX uniform access code. Each telephone exchange service line or Lineside BSA may be marked with a presubscription code to identify which 101XXXX code its calls will be directed to for interLATA service. Presubscription codes are applied as set forth in section 13 following.

When a customer has had Trunkside BSA-950 Option access in an end office and subsequently replaces the Trunkside BSA-950 Option access with Trunkside BSA-101XXXX Option access, at the customer's request and where facilities permit, the Telephone Company, will, for a period of 90 days, direct calls dialed by the customer's end users using the customer's previous Trunkside BSA-950 Option access code to the customer's Trunkside BSA-101XXXX Option access service. The customer must be prepared to handle normally dialed Trunkside BSA-101XXXX Option calls dialed with the Trunkside BSA-950 Option access code which require the customer to receive additional address signaling from the end user. Such calls will be rated as Trunkside BSA-101XXXX Option.

At the option of the customer, Switched 56 Kilobit Service as specified following is available for use with Trunkside BSA-101XXXX Option. 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 trunks capable of supporting 56 Kbps digital transmission.

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SWITCHED ACCESS SERVICE

6.3 Provision and Description of Switched Access BSAs (Cont'd)

6.3.2 Trunkside BSA (Cont'd)

6.3.2.3 Trunkside BSA-101XXXX Option (Cont'd)

(A) General Description (Cont'd)

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 + NXX-XXXX, NPA+NXX-XXXX, 1+NPA+NXX-XXXX, or 101XXXX+NPA+NXX-XXXX or 101XXXX+NPA+NXX-XXXX, and when the end office is equipped for International Direct Distance Dialing (IDDD), 011+CC+NN.

All rates and charges normally applicable to Trunkside BSA-101XXXX Option i.e., nonrecurring, 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 6.9.12 following, apply to Switched 56 Kilobit Service.

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

(D)

(D)

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6.3 Provision and Description of Switched Access BSAs (Cont'd)

6.3.2 Trunkside BSA (Cont'd)

6.3.2.3 Trunkside BSA-101XXXX Option (Cont'd)

(D)

(D)

SWITCHED ACCESS SERVICE

6.3 Provision and Description of Switched Access BSAs (Cont'd)

6.3.2 Trunkside BSA (Cont'd)

6.3.2.3 Trunkside BSA-101XXXX Option (Cont'd)

(B) Trunkside BSA-101XXXX Option Optional Features and BSEs

(1) Common Switching

- (a) Automatic Number Identification (BSE)
- (b) Service Class Routing (Optional Feature)
- (c) Alternate Traffic Routing (BSE)
- (d) International Carrier Option (Optional Feature)
- (e) Code Screening for use with WATS Access Line Service (Optional Feature)
- (f) Hunt Group Arrangement for Use with WATS Access Line Service (Optional Feature)
- (g) Uniform Call Distribution Arrangement for Use with WATS Access Line Service (Optional Feature)
- (h) Nonhunting Number for Use with Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use with WATS Access Line Service (Optional Feature)
- (i) Overflow Advance Arrangement for Use with WATS Access Line Service (Optional Feature)
- (j) Calling Party Number (Optional Feature)
- (k) Carrier Selection Parameter (Optional Feature)

(2) Transport Termination

- (a) Operator Trunk, Full Feature Arrangement

SWITCHED ACCESS SERVICE

6.3 Provision and Description of Switched Access BSAs (Cont'd)

6.3.2 Trunkside BSA (Cont'd)

6.3.2.3 Trunkside BSA-101XXXX Option (Cont'd)

(B) Trunkside BSA-101XXXX Option Optional Features and BSEs
(Cont'd)

(3) Switched Transport

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

(b) Out of Band Signaling (as set forth in section
6.1.3(A) (2) (e) preceding)

(4) Line Termination

(a) Dialed Number Identification Service

(b) Answer Supervision

(C) Transmission Specifications

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

(1) When routed directly to the end office either Type B or
C is provided.

(2) When routed to an access tandem or TOPS tandem only
Type A is provided.

(3) Type A is provided on the transmission path from the
access of TOPS tandem to the end office.

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

Type DA Data Transmission Parameters are provided for the
transmission path between the customer's premises and the
access of TOPS tandem and between the access or TOPS tandem
and the end office. Type DA Data Transmission Parameters
are provided with Trunkside BSA-101XXXX or Option for the
transmission path between the customer's premises and the
end office when directly routed to the end office.

SWITCHED ACCESS SERVICE

6.3 Provision and Description of Switched Access BSAs (Cont'd)

6.3.2 Trunkside BSA (Cont'd)

6.3.2.3 Trunkside BSA-101XXXX Option (Cont'd)

(D) Testing Capabilities

Trunkside BSA-101XXXX Option is provided, in the terminating direction where equipment is available, with seven digit access to balance (100 type) test line, milliwatt (102 type) test line, nonsynchronous or synchronous test line, automatic transmission measuring (105 type) test line, data transmission (107 type) test line, loop around test line, short circuit test line and open circuit test line. In addition to the tests described in 6.1.6 preceding which are included with the installation of service, additional Cooperative Acceptance Testing, Automatic Scheduled Testing, Cooperative Scheduled Testing, Manual Scheduled Testing and Nonscheduled Testing are available as set forth in 13.3.4 following for Trunkside BSA-101XXXX Option.

6.3.3 Dedicated Network Access Link

(A) General Description

- (1) The Dedicated Network Access Link (DNAL) BSA provides a connection between the customer designated premises and a Telephone Company switch or central office for the transfer of data from the switch or central office to the customer premises.
- (2) The DNAL is primarily used in conjunction with switched access or central office based services requiring a separate link for transmitting signaling or control information. The switched access service determines the requirement for speed, type, and number of DNALs.
- (3) The DNAL can be used in association with the Common Switching BSEs as set forth following.

(a) Messaging Services Interface (BSE)

This option is provided as set forth in 6.4.1 following.

(b) Make Busy Arrangements (BSE)

This option is provided as set forth in 6.4.1 following.

SWITCHED ACCESS SERVICE

6.3 Provision and Description of Switched Access BSAs (Cont'd)

6.3.3 Dedicated Network Access Link (Cont'd)

(B) Metallic DNAL

(1) Basic Description

A Metallic DNAL is a unconditioned two-wire channel capable of transmitting low speed varying signals at rates up to 30 baud. This channel is provided by metallic or equivalent facilities. Metallic DNALs are provided between a customer designated premises and a Telephone Company switch or central office. Interoffice metallic DNALs will be limited in length to a total of five route miles per channel.

(2) Technical Specifications Packages

Parameter	Package MT-			
	<u>C</u>	<u>1</u>	<u>2</u>	<u>3</u>
DC Resistance				
Between Conductors	X	X	X	
Loop Resistance	X			X
Shunt Capacitance	X			X

The technical specifications are delineated in Technical Reference TR-NPL-000336.

(3) Channel Interfaces

Compatible channel interfaces are set forth in 6.1.3 following.

(C) Voice Grade DNAL

(1) Basic Description

A Voice Grade DNAL is a channel which provides voice frequency transmission capability in the nominal frequency range of 300 to 3000 Hz and may be terminated as analog two-wire or four-wire. Voice Grade DNALs are provided between a customer designated premises and a Telephone Company switch or central office.

(2) Technical Specifications Packages

The technical specifications for Voice Grade DNALs are delineated in TR-TSY-000335, Issue 2, under the section defining VG-6 capabilities.

SWITCHED ACCESS SERVICE

6.3 Provision and Description of Switched Access BSAs (Cont'd)

6.3.3 Dedicated Network Access Link (Cont'd)

(C) Voice Grade DNAL (Cont'd)

(3) Channel Interfaces

The following channel interfaces for Voice Grade DNALs do not require signaling capability: AH, DA, DB, DD, DE, DS, NO, PR and TF.

The following channel interfaces for Voice Grade DNALs require signaling capability: AB, AC, CT, DX, DY, EA, EB, EC, EX, GO, GS, LA, LB, LC, LO, LR, LS, RV and SF.

Compatible channel interfaces are set forth in 6.1.3 preceding.

(4) Optional Features and Functions

(a) Conditioning

Conditioning provides more specific transmission characteristics for Voice Grade DNALs. C-Type conditioning controls attenuation distortion and envelope delay distortion.

In addition, a customer may require that either the attenuation distortion or the envelope delay distortion, or both, be improved to more stringent specifications than those provided for C-Type conditioning. In these cases the customer has the option of ordering either Improved Attenuation Distortion or Improved Envelope Delay Distortion, or both, as needed.

(1) C-Type Conditioning

C-Type Conditioning is provided for the additional control of attenuation distortion and envelope delay distortion on data services. The attenuation distortion and envelope delay distortion specifications for C-Type Conditioning are:

Attenuation Distortion (Frequency Response) Relative to 1004 Hz	
Frequency Range (Hz)	Variation (dB)
504-2804	-1.0 to +3.0
304-3804	-2.0 to +6.0

SWITCHED ACCESS SERVICE

6.3 Provision and Description of Switched Access BSAs (Cont'd)

6.3.3 Dedicated Network Access Link (Cont'd)

(C) Voice Grade DNAL (Cont'd)

(4) Optional Features and Functions (Cont'd)

(a) Conditioning (Cont'd)

(1) C-Type Conditioning (Cont'd)

Envelope Delay Distortion Variation	
Frequency Range (Hz)	(micro- seconds)
1004-2604	< 500
604-2604	< 1500
504-2804	< 3000

(2) Improved Attenuation Distortion

Improved attenuation distortion is provided for additional control of attenuation distortion. The improved attenuation distortion specifications are:

Attenuation Distortion (Frequency Response) Relative to 1004 Hz	
Frequency Range (Hz)	Variation (dB)
404-2804	-1.0 to +2.0
304-3004	-1.0 to +3.0
304-3204	-2.0 to +6.0

(3) Improved Envelope Delay Distortion

Improved envelope delay distortion is provided for additional control of envelope delay distortion. The improved envelope delay distortion specifications are:

Envelope Delay Distortion Variation	
Frequency Range (Hz)	(micro- seconds)
1004-2604	< 100
804-2604	< 200
604-2604	< 300
504-2804	< 600
504- 2804	< 3000

SWITCHED ACCESS SERVICE

6.3 Provision and Description of Switched Access BSAs (Cont'd)

6.3.3 Dedicated Network Access Link (Cont'd)

(C) Voice Grade DNAL (Cont'd)

(4) Optional Features and Functions (Cont'd)

(b) Improved Termination and Improved Return Loss

- (1) Improved Termination - On Effective Four-Wire Transmission at Four-Wire Point of Termination (applicable to each four-wire port): Provides for a fixed 600 ohm impedance, variable level range and simplex reversal. Telephone Company equipment is required at the customer's premises where this option is ordered. The Improved Termination parameters are delineated in Technical Reference TR-NPL-000335 and associated Revision.
- (2) Improved Return Loss - On Effective Two-Wire Transmission at Two-Wire Point of Termination: Provides for more stringent Echo Control Specifications. In order for this option to be applicable, the transmission path must be four-wire at one POT and two-wire at the other POT. Placement of Telephone Company equipment may be required at the customer's premises with the two-wire POT. The Improved Return Loss parameters are delineated in Technical Reference TR-NPL-000335 and associated Revision.

(c) Data Capability

Data Capability provides transmission characteristics suitable for data communications. Specifically, Data Capability provides for the control of Signal to C-Notched Noise Ratio and intermodulation distortion. The Signal to C-Notched Noise Ratio and intermodulation distortion parameters for Data Capability are:

- (1) Signal to C-Notched Noise Ratio is equal to or greater than 32 dB.

SWITCHED ACCESS SERVICE

6.3 Provision and Description of Switched Access BSAs (Cont'd)

6.3.3 Dedicated Network Access Link (Cont'd)

(C) Voice Grade DNAL (Cont'd)

(4) Optional Features and Functions (Cont'd)

(C) Data Capability (Cont'd)

(2) Intermodulation Distortion:

Signal to second order modulation products (R2) is equal to or greater than 38 dB.

Signal to third order modulation products (R3) is equal to or greater than 42 dB.

(D) Effective Four-Wire Transmission with Two-Wire Interface

When a customer requests that an effective Four-Wire channel be terminated with a Two-Wire interface at the customer designated premises, then this optional feature applies. Placement of Telephone Company Equipment (Hybrid) is required at the customer's premises to convert the Four-Wire channel to the Two-Wire POT. When this option is ordered, a Four-Wire channel termination charge applies. Per the voice grade technical references, certain voice grade DNALs are always provisioned as Four-Wire and will be billed as a Four-Wire Channel Termination.

6.4 Common Switching and Transport Termination Optional Features and BSEs

Following are descriptions of the various optional features that are available in lieu of, or in addition to, the standard features provided with BSAs and Feature Groups. They are provided as either Common Switching or Transport Termination options.

The following is a list of Verizon's Open Network Architecture (ONA) Switched Access Basic Service Elements (BSEs) which provides a cross-reference to the generic name contained in Bell Operating Companies, Service Descriptions, ONA Services User Guide, July 31, 1991, from the product name utilized in this tariff.

SWITCHED ACCESS SERVICE

6.4 Common Switching and Transport Termination Optional Features and BSEs (Cont'd)

<u>GENERIC NAME</u>	<u>Verizon PRODUCT NAME</u>
Answer Supervision With A Line Side Interface	Answer Supervision With A Line Side Interface
Calling Billing Number Delivery - FG B Protocol - FG D Protocol	Automatic Number Identification
Carrier Selection On Reverse Charge	WATS Toll Free Access Service
Line Monitor Service	Line Monitor Service
Make Busy Key	Make Busy Arrangement
Message Desk (SMDI)	Messaging Services Interface
Message Waiting Indicator - Activation (audible)	
Alternate Routing	Alternate Traffic Routing
Called Directory Number Delivery via DID	Direct Inward Dialing Service
DID Trunk Queuing	DID Trunk Queuing
Multiline Hunt Group	Hunting Service Arrangement
Multiline Hunt Group	Hunting Service Arrangement Circular
Multiline Hunt Group	Hunting Service Arrangement Preferred
Multiline Hunt Group	Hunting Service Arrangement Preferred
Multiline Hunt Group	Non-Hunt Directory Numbers
- Individual Access To Each Port In Hunt Group	
Multiline Hunt Group	Uniform Call Distribution
- Uniform Call Distribution Line Hunting	

SWITCHED ACCESS SERVICE

6.4 Common Switching and Transport Termination Optional Features and BSEs (Cont'd)

GENERIC NAME

Verizon PRODUCT NAME

Multiline Hunt Group

- Uniform Call Distribution With
Queuing

Three-Way Call Transfer

Three-Way Calling Transfer

6.4.1 Common Switching Optional Features and BSEs Where Available

(A) Call Denial on Line or Hunt Group (Optional Feature)

This option allows for the screening of terminating calls within the LATA, and for the completion only of calls to 411 and 911, WATS Toll Free codes, 555-1212, and a Telephone Company specified set of NXXs within the Telephone Company local exchange calling area of the dial tone office in which the arrangement is provided. All other long distance calls are routed to a reorder tone or recorded announcement. This feature is provided in all Telephone Company electronic end offices and, where available, in electromechanical end offices. It is available with Lineside BSA and Feature Group A.

(B) Service Code Denial on Line or Hunt Group (Optional Feature)

This option allows for the screening of terminating calls within the LATA, and for disallowing completion of calls to 0- and N11 all Telephone Company electronic end offices and electromechanical end offices. It is available with Lineside BSA and Feature Group A.

(C) Hunt Group Arrangement (Optional Feature)

This option provides the ability to sequentially access one of two or more line side connections in the originating direction, when the access code of the line group is dialed. This feature is provided in all Telephone Company end offices. It is available with Lineside BSA and Feature Group A.

(D) Uniform Call Distribution (Optional Feature and BSE)

This option provides a type of multiline hunting arrangement which provides for an even distribution of calls among the available lines in a hunt group. Where available, this feature is provided in Telephone Company electronic end offices only. It is available with Feature Group A.

SWITCHED ACCESS SERVICE

6.4 Common Switching and Transport Termination Optional Features and BSEs (Cont'd)

6.4.1 Common Switching Optional Features and BSEs Where Available (Cont'd)

(D) Uniform Call Distribution (Optional Feature and BSE) (Cont'd)

When an incoming call to the Directory Number (DN) of the multiline hunt group (MLHG) is received, hunting should begin at the start-hunt terminal and proceed as a circular hunt.

When an idle terminal is found, the call should be completed, and immediately (even before another call attempts to terminate) a new circular hunt should begin for an idle terminal. This hunt should begin at the terminal number after the one that the call was just completed. When an idle terminal is found, the hunt should stop and the idle terminal number should be stored as the start-hunt terminal for the next incoming call to the DN of the MLHG. If no idle terminal is found after a complete circular hunt is made, the stored-hunt DN should be the DN of the last completed call.

If an incoming call is not to the DN of the MLHG but to a DN associated with one of the terminals of the MLHG instead, the start-hunt terminal as defined above for Uniform Call Distribution (UCD) should not be used. Instead, the incoming call should be directed to the terminal associated with the called DN directly. If the called DN terminal is busy, a circular hunt should begin at the called DN terminal and continue until an idle terminal is found. If none is found, the incoming call should be given busy treatment. In either case, the next incoming call to the MLHG DN uses a start-hunt number as determined above, which is unaffected by the call to a terminal's direct DN.

Calls made to UCD MLHG equipped with the queuing feature will complete immediately if there is an idle terminal in the UCD hunt group. However, if all terminals in the UCD hunt group are busy, the call is placed on queue and waits its turn to be served.

The calls that has been on queue the longest will be the first call served when a line becomes available. The customer determines the maximum number of calls that can be placed on queue. If the incoming call cannot be placed on queue, the calling party receives busy tone. It is available with Lineside BSA and Feature Group A.

SWITCHED ACCESS SERVICE

6.4 Common Switching and Transport Termination Optional Features and BSEs (Cont'd)

6.4.1 Common Switching Optional Features and BSEs Where Available (Cont'd)

(E) Non-Hunt Directory Numbers (Optional Feature and BSE)

This option provides an arrangement for an individual line within a multiline hunt or uniform call distribution group that provides access to that line within the hunt or uniform call distribution group when it is idle or provides busy tone when it is busy, when the nonhunting number is dialed. Where available, this feature is provided in Telephone Company electronic end offices only. It is available with Lineside BSA and Feature Group A.

(F) Automatic Number Identification (ANI) (Optional Feature and BSE)

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

The seven-digit ANI telephone number is available with Trunkside BSA-950 Option, Trunkside BSA-MTS/WATS Option and Feature Group B. With these Feature Groups, technical limitations may exist in Telephone Company switching facilities which require ANI to be provided only on a directly trunked basis. ANI will be transmitted on all calls except those originating from Network Controlled Coin Telephone Lines and Network Controlled Non-Coin Telephone Lines using Trunkside BSA-950 Option Feature Group B, or when an ANI failure has occurred. (D)

The ten-digit ANI telephone number is only available with Trunkside BSA-101XXXX Option and Feature Group D. When out of band signaling is specified, the customer may obtain an ANI equivalent by ordering the charge number optional feature as specified in (AN) following. The ten-digit ANI telephone number consists of the Numbering Plan Area (NPA) plus the seven-digit ANI telephone number. The ten-digit ANI telephone number will be transmitted on all calls except those identified as ANI failure, in which case only the NPA will be transmitted (in addition to the information digit described below). (D)

Where ANI cannot be provided, information digits will be provided to the customer. (D)

SWITCHED ACCESS SERVICE

6.4 Common Switching and Transport Termination Optional Features and BSEs (Cont'd)

6.4.1 Common Switching Optional Features and BSEs Where Available (Cont'd)

(F) Automatic Number Identification (ANI) (Optional Feature and BSE)
(Cont'd)

The information digits identify; 1) telephone number is the station billing number - no special treatment required, 2) ANI failure has occurred in the end office switch which prevents identification of calling telephone number - must be obtained by operator or in some other manner, 3) hotel/motel originated call which requires room number identification, 4) coinless station, hospital, inmate, etc. call which requires special screening or handling by the customer, and 5) call is an Automatic Identified Outward Dialed (AIOD) call from customer premises equipment. The ANI telephone number is the listed telephone number of the customer and is not the telephone number of the calling party.

(D)
(T)
(T)
(T)

These ANI information digits are available with Trunkside BSA-950 Option, Trunkside BSA-MTS/WATS Option, Trunkside BSA-101XXXX Option, Feature Groups B and D.

Additional ANI information digits are available with Trunkside BSA-101XXXX Option and Feature Group D only. They include:

- (1) InterLATA restricted - telephone number is identified line
- (2) InterLATA restricted - hotel/motel line
- (3) InterLATA restricted - coinless, hospital, inmate, etc., line
These information digits will be transmitted as agreed to by the customer and the Telephone Company.

(G) Up to 7-Digit Outpulsing of Access Digits to Customer (Optional Feature)

This option provides for the end office capability of providing up to 7 digits of the uniform access code 950-0XXX or 950-1XXX to the customer's premises. The customer can request that only some of the digits in the access code be forwarded. The access code digits would be provided to the customer's premises using multifrequency signaling, and transmission of the digits would precede the forwarding of ANI if that feature were provided. It is available with Trunkside BSA-950 Option and Feature Group B.

SWITCHED ACCESS SERVICE

6.4 Common Switching and Transport Termination Optional Features and BSEs (Cont'd)

6.4.1 Common Switching Optional Features and BSEs Where Available (Cont'd)

(H)

(I) Revertive Pulse Address Signaling (Optional Feature)

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

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

(J) Delay Dial Start-Pulsing Signaling (Optional Feature)

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

(K) Immediate Dial Pulse Address Signaling (Optional Feature)

This option provides for the forwarding of dial pulses from the Telephone Company end office to the customer without the need of a start-pulsing signal from the customer.

(L) Dial Pulse Address Signaling (Optional Feature)

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

(M) Panel Call Indicator Address Signaling (Optional Feature)

This option provides a dc pulsing arrangement in which each digit is transmitted as a series of four marginal and polarized impulses.

SWITCHED ACCESS SERVICE

6.4 Common Switching and Transport Termination Optional Features and BSEs (Cont'd)

6.4.1 Common Switching Optional Features and BSEs Where Available (Cont'd)

(N) Service Class Routing (Optional Feature)

This option provides the capability of directing originating traffic from an end office to a trunk group to a customer designated premises, based on the line class of service (e.g., coin or hotel/motel), service prefix indicator (e.g., 0-, 0+, 01+ or 011+) or service access code (e.g., WATS Toll Free or 900). It is provided in suitably equipped end office or access tandem switches and is available with Trunkside BSA-MTS/WATS Option, Trunkside BSA-101XXXX Option, and Feature Group D. (D)

(O) Alternate Traffic Routing (Optional Feature and BSE)

This option provides the capability of directing originating traffic from an end office (or appropriately equipped access tandem) to a trunk group (the "high usage" group) to a customer designated premises until that group is fully loaded, and then delivering additional originating traffic (the "overflowing" traffic) from the same end office or access tandem to a different trunk group (the "final" group) to a second customer designated premises. The customer shall specify the last trunk CCS desired for the high usage group. It is provided in suitably equipped end office or access tandem switches and is available with Trunkside BSA-MTS/WATS Option, Trunkside BSA-101XXXX Option, and Feature Group D. This option may not be used in conjunction with the Tandem Access Sectorization Feature specified in Section 6.8.15.

(P) Trunk Access Limitation (Optional Feature)

This option provides for the routing of originating 900 Service calls to a specified number of transmission paths in a trunk group, in order to limit (choke) the completion of such traffic to the customer. Calls to the designated service which could not be completed over the subset of transmission paths in the trunk group, i.e., the choked calls, would be routed to reorder tone. It is provided in all Telephone Company electronic end offices and where available in electromechanical end offices. It is available with Trunkside BSA-MTS/WATS Option, Trunkside BSA-101XXXX Option, and Feature Group D.

SWITCHED ACCESS SERVICE

6.4 Common Switching and Transport Termination Optional Features and BSEs (Cont'd)

6.4.1 Common Switching Optional Features and BSEs Where Available (Cont'd)

(Q) Call Gapping Arrangement (Optional Feature)

This option, provided in suitably equipped end office switches, provided for the routing of originating calls to 900 Service to be switched in the end office to all transmission paths in a trunk group at a prescribed rate of flow, e.g., one call every five seconds, in order to limit (choke) the completion of such traffic to the customer. Calls to the designated service which are denied access by this feature, i.e., the choked calls, would be routed to a no-circuit announcement. It is provided in selected Trunkside BSA-101XXXX Option Feature Group D equipped end offices and is available only with Trunkside BSA-101XXXX Option Feature Group D.

(R) International Carrier Option (Optional Feature)

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

(S)

(T) Overflow Advance Arrangement for Use with WATS Access Lines (Optional Feature)

This option, which is provided in association with two or more WATS Access Line groups, provides for the automatic overflow of terminating calls to a WATS Access Line group, when that group has exceeded its call capacity, to another WATS Access Line group with a band designation equal to or greater than that of the overflowing WATS Access Line group. This arrangement does not provide for call overflow from a group with a higher band designation to one with a lower one. This option is available with Trunkside BSA-MTS/WATS Option, Trunkside BSA-101XXXX Option and Feature Group D.

SWITCHED ACCESS SERVICE

6.4 Common Switching and Transport Termination Optional Features and BSEs (Cont'd)

6.4.1 Common Switching Optional Features and BSEs Where Available (Cont'd)

(U) Code Screening for Use with WATS Access Lines (Optional Feature)

This option provides the ability to verify that an end user has dialed a called party address (by screening the called NPA and/or NXX on the basis of geographical bands selected by the Telephone Company) which is in accordance with that end user's service agreement with the customer, e.g., WATS. This option is provided in all Telephone Company electronic end offices and, where available, in electromechanical end offices in which WATS Access Lines are provided. It is available with Trunkside BSA-MTS/WATS Option, Trunkside BSA-101XXXX Option and Feature Group D.

(V) Hunt Group Arrangement for Use with WATS Access Lines (Optional Feature)

This option provides the ability to sequentially access one of two or more WATS Access Lines (e.g., WATS Toll Free Service access lines) in the terminating direction, when the hunting number of the WATS Access Line Service group is forwarded from the customer to the Telephone Company. This feature is provided in all Telephone Company end offices in which WATS Access Lines are provided. It is available with Trunkside BSA-MTS/WATS Option, Trunkside BSA-101XXXX Option and Feature Group and D.

(W) Uniform Call Distribution Arrangement for Use with WATS Access Lines (Optional Feature)

This option provides a type of multiline hunting arrangement which provides for an even distribution of terminating calls among the available WATS Access Lines in the hunt group. Where available, this feature is only provided in Telephone Company electronic end offices in which WATS Access Lines are provided. It is available with Trunkside BSA-MTS/WATS Option, Trunkside BSA-101XXXX Option, and Feature Group D.

(X) Nonhunting Number for Use with Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use with WATS Access Lines (Optional Feature)

This option provides an arrangement for an individual WATS Access Line within a multiline hunt or uniform call distribution group that provides access to that WATS Access Line within the hunt or uniform call distribution group when it is idle or provides busy tone when it is busy, when the nonhunting number is dialed. Where

SWITCHED ACCESS SERVICE

6.4 Common Switching and Transport Termination Optional Features and BSEs (Cont'd)

6.4.1 Common Switching Optional Features and BSEs Where Available (Cont'd)

(X) (Cont'd)

available, this feature is only provided in Telephone Company electronic end offices in which WATS Access Lines are provided. It is available with Trunkside BSA-MTS/WATS Option, Trunkside BSA-101XXXX Option, and Feature Group D.

(AB) Answer Supervision With a Line Side Interface (BSE)

This option provides an answer supervisory signal to the customer premises for terminating calls to indicate the called location has returned an answer supervisory signal to the Telephone Company end office where the customer's Lineside BSA open end (dial tone end office) is located. This option is only available from appropriately equipped Telephone Company electronic end office switches. It is available with Lineside BSA only.

(AC) Hunting Service Arrangements (BSE)

This feature offers the ability to sequentially access terminals in a hunt group, beginning with the start-hunt terminal until an idle terminal is found or the last terminal number is reached, when the access number of the line group is dialed. If all terminals are busy, a busy tone will be returned to the calling party. It is available with Lineside BSA.

(AD) Hunting Service Arrangements: Preferred (BSE)

This option allows a separate hunting list to be associated with each terminal in a hunt group. When a call is made directly to a busy terminal with a MLHG equipped with preferential hunting, a linear hunt is performed over the special ordered list of preferential hunt terminals. The call will terminate at the first idle terminal in the preferential hunt list. If all of the terminals in the preferential hunt are busy, then a secondary hunt should be conducted over all of the terminals. The secondary hunt will be in the regular hunt sequence, not the preferential list. This feature is not available with the Uniform Call Distribution and Non-Hunt Numbers features. This feature is available with Lineside BSA.

SWITCHED ACCESS SERVICE

6.4 Common Switching and Transport Termination Optional Features and BSEs (Cont'd)

6.4.1 Common Switching Optional Features and BSEs Where Available (Cont'd)

(AE) Hunting Service Arrangements: Circular (BSE)

This feature offers the ability to sequentially access terminals in a hunt group, with the hunt sequence starting over again at the start-hunt terminal if all terminals are busy. If all terminals are busy in the second pass, a busy tone will be returned to the calling party. This feature is available with Lineside BSA.

(AF) Three-Way Call Transfer (BSE)

This option gives the customer the capability of including another end user on an already established call. After establishing the call, the customer may drop his connection without disconnecting the two end users. While the two end users are connected, usage continues to be recorded and will be charged to the customer. This option is available from appropriately equipped electronic offices. In some switches the customer and originating end user must be served out of the same central office in order for the customer to drop off of the line and keep the two end users connected. This feature is available with Lineside BSA.

(AG) Messaging Services Interface (BSE)

This option provides for the call status information of a call terminating on a Lineside BSA hunting arrangement. This option provides the calling number, called number, the identification of the called multiline hunt group assigned to the customer's end user, and the call reason. In addition, the option provides the ability to activate or deactivate a message waiting indicator. The message waiting indicator, or interrupted dial tone may be activated as long as the service where the message waiting indicator is to be activated is equipped with the message waiting feature. The call status information is transmitted to the customer's premises and the signal to activate or deactivate the message waiting indicator is transmitted from the customer's message desk terminal equipment. The customer shall provide the appropriate customer premise equipment (CPE) to store. Display or print out the transmitted call status information and the equipment to initiate the signal to activate or deactivate the message waiting indicator. This option is only available from appropriately equipped Telephone Company electronic end office

SWITCHED ACCESS SERVICE

6.4 Common Switching and Transport Termination Optional Features and BSEs (Cont'd)

6.4.1 Common Switching Optional Features and BSEs Where Available (Cont'd)

(AG) Messaging Services Interface (BSE) (Cont'd)

switches. The customer shall obtain a Dedicated Network Access Link (DNAL) as set forth in Section 6.3.3 preceding to each and every Telephone Company Central office switch where the capability is desired. The capabilities are available with Lineside BSA with multiline hunt group arrangement.

(AH) Make Busy Arrangements (BSE)

This option allows a customer to busy out a group of lines and to reroute incoming traffic from one group of lines to another group of associated lines, if the customer has more than one group of lines.

This option provides the capability to place one or more lines of a Lineside BSA with multiline hunt group arrangement in a busy or overflow condition. Once the capability is activated, subsequent calls to the lines placed in the busy or overflow condition may be directed to a central office tone, central office announcement or when a remote call forwarding feature is ordered, to an alternate service. The capability is activated by a customer provided key at the customer's premises. The activation signal is transmitted to the Telephone Company central office with the use of a Metallic or Voice Grade Dedicated Network Access Line (DNAL) as specified in Sections 6.3.3. preceding. The option is available with Lineside BSA.

(AI) Three-Way Calling (BSE)

This option permits a customer who has established a call using a Lineside BSA to establish a call to a third party. The customer may talk privately with the third party or may add the third party to the call to establish a three way conference call. The customer may also disconnect the third party to reestablish the original two party connection. Once the three-way conference call has been established, if the customer disconnects, the call will be terminated. The option is available with Lineside BSA.

SWITCHED ACCESS SERVICE

6.4 Common Switching and Transport Termination Optional Features and BSEs (Cont'd)

6.4.1 Common Switching Optional Features and BSEs Where Available (Cont'd)

(AJ)

(AK) Direct Inward Dialing Service (BSE)

This option permits the central office switch to deliver all or part of the called telephone number to the customer premises at the time the call is established. When number translations have occurred, e.g., WATS Toll Free calls, the number delivered is not the called number. This option is only available in the originating direction at Telephone Company designated electronic end office switches. This option is arranged for originating calling only.

This option provides a trunk side termination with line treatment at the first point of switching. This option can be provided with Dial Pulse (DP) address signaling. Dual Tone Multifrequency (DTMF) address signaling is available at the option of the customer when the arrangement is provided at suitably equipped electronic end office switches.

SWITCHED ACCESS SERVICE

6.4 Common Switching and Transport Termination Optional Features and BSEs (Cont'd)

6.4.1 Common Switching Optional Features and BSEs Where Available (Cont'd)

(AK) Direct Inward Dialing Service (BSE) (Cont'd)

The DP or DTMF address signaling delivers the called telephone number only and no other address signaling is provided by the Telephone Company. Additional address signaling, 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.

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

If the customer requests a specific seven digit telephone number that is not currently assigned, and the Telephone Company can, with reasonable effort, comply with that request, the requested number will be assigned to the customer. Where the customer requires a block of telephone numbers for its service, the customer must arrange for a block of telephone numbers (groups of 20) to be associated with this option as set forth under the Telephone Company's General and Local Subscriber Service Tariffs.

The number of digits forwarded by the central office switch is determined at the time the service is ordered. Up to seven-digit outpulsing of the called telephone is provided to the customer's premises. This option is provided with Lineside BSA where technically available. Terminating service is not provided. Other Lineside BSA features or BSEs not described in this section are not provided.

(AL) Direct Inward Dialing Trunk Queuing (BSE)

This option provides queuing feature for a Uniform Call Distribution (UCD) Arrangement. This feature permits calls to the UCD arrangement to be completed immediately if the UCD arrangement has an idle terminal and when all terminals in the UCD arrangement are busy, to place the call in a queue to wait its turn to be served. While the call is in the queue, and audible ringing tone is provided. This option is only available from appropriately equipped Telephone Company electronic end office switches. It is only available with Lineside BSA.

SWITCHED ACCESS SERVICE

6.4 Common Switching and Transport Termination Optional Features and BSEs (Cont'd)

6.4.1 Common Switching Optional Features and BSEs Where Available (Cont'd)

(AM) Calling Party Number (CPN)

This option provides for the automatic transmission of the calling party's ten-digit telephone number to the customer's premises for calls originating in the LATA. The ten-digit telephone number consists of the NPA plus the seven-digit telephone number, which may or may not be the same as the calling station's charge number. The specific protocol for CPN is contained in Verizon Supplement Common Channel Signaling (CCS) Network Interface Specification, Issue #1, December 1990, and in Technical Reference TR-TSV-000905. This feature is available only with originating Feature Group D when out of band signaling is specified.

The Telephone Company will transmit a "privacy indicator" as part of the CPN information in those jurisdictions where end users may elect that their CPN information not be passed to the called party, and where an end user has taken the actions necessary to ensure that their CPN is so blocked.

(AN) Charge Number (CN) (Optional Feature and BSE)

This option provides for the automatic transmission of the ten-digit billing number of the calling station number and originating line information. The specific protocol for CN is contained in Verizon Supplement Common Channel Signaling (CCS) Network Interface Specification, Issue #1, December 1990, and Technical Reference TR-TSV-000905. This feature is available only with originating Trunkside BSA-101XXXX Option and Feature Group D when out of band signaling is specified.

(AO) Carrier Selection Parameter (CSP) (Optional Feature)

This option provides for the automatic transmission of a signaling indicator which signifies to the customer whether the call being processed originated from a presubscribed end user of that customer. The specific protocol for CSP is contained in Verizon Supplement Common Channel Signaling (CCS) Network Interface Specification Issue #1, December, 1990 and Technical Reference TR-TSV-000905. This feature is available only with originating Trunkside BSA-101XXXX Option and Feature Group D when out of band signaling is specified.

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6.4 Common Switching and Transport Termination Optional Features and BSEs (Cont'd)

6.4.1 Common Switching Optional Features and BSEs Where Available (Cont'd)

(AP) Access Transport Parameter (ATP) (Optional Feature)

This option provides for the transmission of CPE compatibility information from the originating switch to the customer's premises and, on terminating access, from the customer's premises to the terminating switch. All of the information is supplied by the calling party. This feature is available only with originating Trunkside BSA - 101XXXX Option and Feature Group D when out of band signaling is specified. The specific protocol for ATP is contained in Verizon Supplement Common Channel Signaling (CCS) Network Interface Specification, Supplement, August 1992, and Technical Reference TR-TSV-000962, Issued September, 1990.

6.4.2 Transport Termination Optional Features

(A) Rotary Dial Station Signaling (Optional Feature)

This option provides for the transmission of called party address signaling from rotary dial stations to the customer's premises for originating calls. This option is provided in the form of a specific type of Transport Termination. It is available with Trunk-side BSA-950 Option or Feature Group B, only on a directly trunked basis.

(B) Operator Trunk - Coin, Noncoin, or Combined Coin and Noncoin (Optional Feature)

This option may be ordered to provide coin, noncoin, or combined coin and noncoin operation. It is available with Trunkside BSA-MTS/WATS Option, Trunkside BSA-101XXXX Option, Feature Group C and Feature Group D and is provided in electronic end offices and other Telephone Company end offices where equipment is available. It is provided as a trunk type of Transport Termination.

Coin:

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

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6.4 Common Switching and Transport Termination Optional Features and BSEs (Cont'd)

6.4.2 Transport Termination Optional Features (Cont'd)

(B) Operator Trunk - Coin, Noncoin, or Combined Coin and Noncoin
(Optional Feature) (Cont'd)

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

Noncoin:

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

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

Combined Coin and Noncoin:

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

This arrangement is normally ordered by the customer in conjunction with the ANI optional feature, since the preponderance of trunk groups equipped with this arrangement will be terminated in the customer's operator services systems, rather than in the customer's manual cord boards. When so equipped, the ANI optional feature provides for the forwarding of information digits which identify that the call has originated from a hotel

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6.4 Common Switching and Transport Termination Optional Features and BSEs (Cont'd)

6.4.2 Transport Termination Optional Features (Cont'd)

- (B) Operator Trunk - Coin, Noncoin, or Combined Coin and Noncoin (Optional Feature) (Cont'd)

or motel, and whether room number identification is required, or that special screening is required, e.g., for coinless pay telephones, dormitory or inmate stations, or other screening arrangements agreed to between the customer and the Telephone Company.

- (C) Operator Trunk - Full Feature (Optional Feature)

This option provides the initial coin return control function to the customer's operator. It is available with Trunkside BSA-101XXXX Option and Feature Group D and is provided as a trunk type for Transport Termination.

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

6.4.3 Switched Transport Optional Features

- (A) WATS Toll Free* Data Base Access Service

(T)

WATS Toll Free Data Base Access Service is an originating only trunk side service. When a WATS Toll Free code+NXX+XXXX call is originated by an end user, the Telephone Company will perform customer identification based on screening of the full ten-digits of the WATS Toll Free number to determine the customer location to which the call is to be routed.

Customers have the option of specifying an area of service from which to receive calls. A specific area of service can be a LATA, state, region, USA, or USA/Canada/Caribbean.

WATS Toll Free Data Base Access Service calls may be delivered to the customer directly from an end office only when the end office is equipped with WATS Toll Free Data Base query functionality, i.e., ability to query the WATS Toll Free Data Base to perform ten-digit customer identification. When the end office does not have WATS Toll Free Data Base query functionality, the query is delivered to the customer from the access tandem (all access tandems have WATS Toll Free Data Base query functionality).

Feature Group D rates and charges apply to WATS Toll Free Data Base Access Service calls originated from end offices with equal access capability. In addition to Feature Group D usage charges, a

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

(N)
|
(N)

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6.4 Common Switching and Transport Termination Optional Features and BSEs (Cont'd)

6.4.3 Switched Transport Optional Features (Cont'd)

(A) WATS Toll Free Data Base Access Service (Cont'd)

basic query charge as specified in 6.1.3(B)(4) preceding and 6.9.2 following applies to each WATS Toll Free Data Base Access Service call delivered to the customer. A basic query charge consists of customer identification [i.e., Carrier Identification Number (CIC)], delivery of the dialed WATS Toll Free ten-digit number, ANI, and the allowable area of service, designated by the customer, from which WATS Toll Free calls can be received.

Vertical Feature Package (VFP)

This feature package, available only with WATS Toll Free Data Base Access Service, provides feature functionality in addition to the basic query. The feature package may include various destination options such as POTS Translation, carrier selection, time of day routing, day of week routing, specific date routing, geographic routing, routing based on percent of allocation, and emergency routing profiles.

Transmission Specifications

WATS Toll Free Data Base Access Service 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 or Type B Transmission Specifications are provided with Interface Groups 2 through 10.

From WATS Toll Free Data Base Access Service traffic originating from end offices with Data Base query functionality, all normal Feature Group D parameters apply.

WATS Toll Free Data Base 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.

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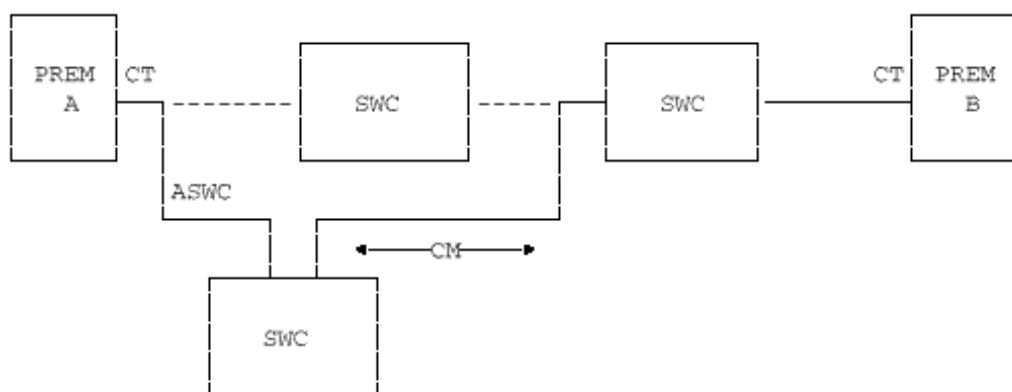
6.4 Common Switching and Transport Termination Optional Features and BSEs (Cont'd)

6.4.3 Switched Transport Optional Features (Cont'd)

(B) Alternate Serving Wire Center

- (1) Alternate Serving Wire Center (ASWC) is an optional feature which provides a transmission path for DS1 or DS3 Entrance Facilities between the customer's designated premises and a serving wire center separate from the normal serving wire center.
- (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 following, applies per point of termination, and is in addition to the Entrance Facilities and Direct Trunked Transport Charges for each DS1 or DS3 service provided over the alternate path. Direct Trunked Transport for the alternately routed service is based on mileage measured from or to the alternate serving wire center.

Example: Rate application for a High Capacity service connecting two customer premises via ASWC.



----- Normal Transmission Path
_____ Alternate Transmission Path

Rate Elements	Applicable Charges
2 Channel Terms (CT)	Monthly and nonrecurring
Channel Mileage (CM)	Monthly
1 ASWC	Monthly

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6.5 Transmission Specifications

Each Switched Access Service transmission path is provided with standard transmission specifications. There are three different standard specifications (Types A, B and C). The standard for a particular transmission path is dependent on the Switched Access Service, the Interface Group and whether the service is directly routed or via an access tandem. In addition, the WATS Access Line is provided with standard transmission specifications for two-wire and four-wire. The available transmission specifications are set forth in 6.5.1 following. Data Transmission Parameters are also provided with each Switched Access Service transmission path and WATS Access Line. The Telephone Company will, upon notification by the customer that the data parameters set forth in 6.5.2(A), 6.5.2(B) or 6.5.2(C) are not being met, conduct tests independently or in cooperation with the customer, and take any necessary action to insure that the data parameters are met.

In addition, the WATS Access Line may be optionally provided with Improved Two-wire Transmission Specifications as forth in 6.5.3 following.

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

The transmission specifications contained in this Section are immediate action limits. Acceptance limits are set forth in Technical Reference TR-NPL-000334 and associated Revision 1. This Technical Reference also provides the basis for determining Switched Access Service maintenance limits.

Transmission specifications for out of band signaling connection are set forth in the Verizon Supplement Common Channel Signaling (CCS) Network Interface Specification, Issue #1, December 1990, and in Technical Reference TR-TSV-000905.

Transmission specifications for 64 Clear Channel Capability, when provisioned with Trunkside BSA-101XXXX Option or FGD with out of band signaling, are set forth in Technical Reference TR-NWT-000938, Issued August 1990.

6.5.1 Standard Transmission Specifications

Following are descriptions of the three Standard Transmission Specifications available with Switched Access Services and the two Standard Transmission Specifications for WATS Access Lines. The specific applications in terms of the Switched Access Services and Interface Groups with which the BSA and Feature Group Standard Transmission Specifications are provided are set forth in 6.2.1(C), 6.2.2(C), 6.2.3(C) and 6.2.4(C) preceding.

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6.5 Transmission Specifications (Cont'd)

6.5.1 Standard Transmission Specifications (Cont'd)

(A) Type A Transmission Specifications

Type A Transmission Specifications are provided with the following parameters:

(1) Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is + 2.0 dB

(2) Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 2804 Hz frequency band relative to the loss at 1004 Hz is -1.0 dB to +3.0 dB.

(3) C-Message Noise

The maximum C-Message Noise for the transmission path at the route miles listed is less than or equal to:

<u>Route Miles</u>	<u>C-Message Noise</u>
less than 50	32 dBrnCO
51 to 100	34 dBrnCO
101 to 200	37 dBrnCO
201 to 400	40 dBrnCO
401 to 1000	42 dBrnCO

(4) C-Notch Noise

The maximum C-Notch Noise, utilizing a -16 dBm0 holding tone, is less than or equal to 45 dBrnCO.

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6.5 Transmission Specifications (Cont'd)

6.5.1 Standard Transmission Specifications (Cont'd)

(A) Type A Transmission Specifications (Cont'd)

(5) Echo Control

Echo Control, identified as Equal Level Echo Path Loss, and expressed as Echo Return Loss and Singing Return Loss, is dependent on the routing, i.e., whether the service is routed directly from the customer's Point of Termination (POT) to the end office or via an access tandem. It is equal to or greater than the following:

	<u>Echo Return Loss</u>	<u>Singing Return Loss</u>
POT to Access Tandem	21 dB	14 dB
POT to End Office		
Direct	N/A	N/A
Via Access Tandem	16 dB	11 dB

(6) Standard Return Loss

Standard Return Loss expressed as Echo Return Loss and Singing Return Loss on two-wire ports of a four-wire Point of Termination shall be equal to or greater than:

<u>Echo Return Loss</u>	<u>Singing Return Loss</u>
5 dB	2.5 dB

(B) Type B Transmission Specifications

Type B Transmission Specifications are provided with the following parameters:

(1) Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EL) is ± 2.5 dB.

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6.5 Transmission Specifications (Cont'd)

6.5.1 Standard Transmission Specifications (Cont'd)

(B) Type B Transmission Specifications (Cont'd)

(2) Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 2804 Hz frequency band relative to loss at 1004 Hz is -2.0 dB to +4.0 dB.

(3) C-Message Noise

The maximum C-Message Noise for the transmission path at the route miles listed is less than or equal to:

<u>Route Miles</u>	<u>C-Message Noise *</u>	
	<u>Type B1</u>	<u>Type B2</u>
less than 50	32 dBrnCO	35 dBrnCO
51 to 100	33 dBrnCO	37 dBrnCO
101 to 200	35 dBrnCO	40 dBrnCO
201 to 400	37 dBrnCO	43 dBrnCO
401 to 1000	39 dBrnCO	45 dBrnCO

(4) C-Notch Noise

The maximum C-Notch Noise, utilizing a -16 dBm0 holding tone is less than or equal to 47 dBrnCO.

(5) Echo Control

Echo Control, identified as Impedance Balance for Lineside BSA, Trunkside BSA-950 Option and FGA and FGB and Equal Level Echo Path Loss for Trunkside BSA-MTS/WATS Option, Trunkside BSA-101XXXX Option and FGC and FGD, and expressed as Echo Return Loss (ERL) and Singing Return Loss (SRL), is dependent on the routing, i.e., whether the service is routed directly from the customer's Point of Termination (POT) to the end office or via an access tandem. The ERL and SRL also differ by Switched Access Service, type of termination, and type of transmission path. They are greater than or equal to the following:

* For Trunkside BSA-MTS/WATS Option, Trunkside BSA-101XXXX Option and Feature Groups C and D, only Type B2 will be provided. For Lineside BSA, Trunkside BSA-950 Option and Feature Groups A and B, Type B1 or B2 will be provided as set forth in Technical Reference TR-NPL-000334 and associated Revision 1.

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6.5 Transmission Specifications (Cont'd)

6.5.1 Standard Transmission Specifications (Cont'd)

(B) Type B Transmission Specifications (Cont'd)

(5) Echo Control (Cont'd)

	<u>Echo Return Loss</u>	<u>Singing Return Loss</u>
POT to Access Tandem		
Terminated in 4-wire trunk	21 dB	14 dB
Terminated in 2-wire trunk	16 dB	11 dB
POT to End Office		
Direct	16 dB	11 dB
Via Access Tandem		
For Trunkside BSA-950 Option and FGB access	8 dB	4 dB
For Trunkside BSA-MTS/WATS Option and FGC access (Effective 4-wire trans- mission path at end office)	16 dB	11 dB
For Trunkside BSA-MTS/WATS Option and FGC access (Effective 2-wire trans- mission path at end office)	13 dB	6 dB

(6) Standard Return Loss

Standard Return Loss, expressed as Echo Return Loss and Singing Return Loss, on two-wire ports of a four-wire point of termination shall be equal to or greater than:

<u>Echo Return Loss</u>	<u>Singing Return Loss</u>
5 dB	2.5 dB

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6.5 Transmission Specifications (Cont'd)

6.5.1 Standard Transmission Specifications (Cont'd)

(C) Type C Transmission Specifications

Type C Transmission Specifications are provided with the following parameters:

(1) Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is ± 3.0 dB.

(2) Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 2804 Hz frequency band relative to loss at 1004 Hz is -2.0 dB to +5.5 dB.

(3) C-Message Noise

The maximum C-Message Noise for the transmission path at the route miles listed is less than or equal to:

<u>Route Miles</u>	<u>C-Message Noise</u>	
	<u>Type C1</u>	<u>Type C2</u>
less than 50	32 dBrnCO	38 dBrnCO
51 to 100	33 dBrnCO	39 dBrnCO
101 to 200	35 dBrnCO	41 dBrnCO
201 to 400	37 dBrnCO	43 dBrnCO
401 to 1000	39 dBrnCO	45 dBrnCO

(4) C-Notch Noise

The maximum C-Notch Noise, utilizing a -16 dBm0 holding tone is less than or equal to 47 dBrnCO.

(5) Echo Control

Echo Control, identified as Return Loss and expressed as Echo Return Loss and Singing Return Loss is dependent on the routing, i.e., whether the service is routed directly from the customer's Point of Termination (POT) to the end office or via an access tandem. It is equal to or greater than the following:

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6.5 Transmission Specifications (Cont'd)

6.5.1 Standard Transmission Specifications (Cont'd)

(C) Type C Transmission Specifications (Cont'd)

(5) Echo Control (Cont'd)

	<u>Echo Return Loss</u>	<u>Singing Return Loss</u>
POT to Access Tandem	13 dB	6 dB
POT to End Office		
Direct	13 dB	6 dB
Via Access Tandem	8 dB	4 dB
(for Trunkside BSA-950 Option and FGB only)		

(D) WATS Access Line Standard Transmission Specifications

(1) Standard Two-Wire Transmission Specifications

(a) Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is $\pm$ 4.0 dB.

(b) Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 2804 Hz frequency band relative to the loss at 1004 Hz is -3.0 dB to +9.0 dB.

* For Trunkside BSA-MTS/WATS Option, Trunkside BSA-101XXXX Option, Feature Groups C and D, only Type C2 will be provided. For Feature Lineside BSA, Trunkside BSA-950 Option, Groups A and B, Type C1 or C2 will be provided as set forth in Technical Reference TR-NPL-000334 and associated Revision 1.

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6.5 Transmission Specifications (Cont'd)

6.5.1 Standard Transmission Specifications (Cont'd)

(D) WATS Access Line Standard Transmission Specifications (Cont'd)

(1) Standard Two-Wire Transmission Specifications (Cont'd)

(c) C-Message Noise

The maximum C-Message Noise for the transmission path at the route miles listed is less than:

<u>Route Miles</u>	<u>C-Message Noise</u>
less than 50	35 dBrnCO
51 to 100	37 dBrnCO
101 to 200	40 dBrnCO
201 to 400	43 dBrnCO
401 to 1000	45 dBrnCO

(d) Echo Control

Return Loss for both Echo Return Loss (ERL) and Singing Return Loss (SRL), is equal to or greater than:

ERL	6.0 dB
SRL	3.0 dB

(2) Standard Four-Wire Transmission Specifications

(a) Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is -3.0 dB to +3.0 dB.

(b) Attenuation Distortion

The maximum Attention Distortion in the 404 to 2804 Hz frequency band relative to loss at 1004 Hz is -1.0 dB to +4.5 dB.

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6.5 Transmission Specifications (Cont'd)

6.5.1 Standard Transmission Specifications (Cont'd)

(D) WATS Access Line Standard Transmission Specifications (Cont'd)

(2) Standard Four-Wire Transmission Specifications (Cont'd)

(c) C-Message Noise

The Maximum C-Message Noise for the transmission path at the route miles is less than:

<u>Route Miles</u>	<u>C-Message Noise</u>
less than 50	35 dBrnCO
51 to 100	37 dBrnCO
101 to 200	40 dBrnCO
201 to 400	43 dBrnCO
401 to 1000	45 dBrnCO

(d) Echo Control

The Equal Level Echo Path Loss for both Echo Return Loss (ERL) and Singing Return Loss (SRL), is equal to or greater than:

ERL	15.0 dB
SRL	9.0 dB

6.5.2 Data Transmission Parameters

Two types of Data Transmission Parameters, i.e., Type DA and Type DB, are provided for Switched Access Service Arrangements. The specific applications in terms of the BSAs and Feature Groups with which they are provided are set forth in 6.2.1(C), 6.2.2(C), 6.2.3(C) and 6.2.4(C) preceding. In addition, the WATS Access Line is provided with Data Transmission Parameters. Following are descriptions of each.

(A) Data Transmission Parameters Type DA

(1) Signal to C-Notched Noise Ratio.

The Signal to C-Notched Noise Ratio is equal to or greater than 33 dB.

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6.5 Transmission Specifications (Cont'd)

6.5.2 Data Transmission Parameters (Cont'd)

(A) Data Transmission Parameters Type DA (Cont'd)

(2) Envelope Delay Distortion

The maximum Envelope Delay Distortion for the frequency bands and route miles specified is:

	<u>604 to 2804 Hz</u>	
less than 50 route miles		500 microseconds
equal to or greater than 50 route miles		900 microseconds
	<u>1004 to 2804 Hz</u>	
less than 50 route miles		200 microseconds
equal to or greater than 50 route miles		400 microseconds

(3) Impulse Noise Counts

The Impulse Noise Counts exceeding a 65 dBrnC0 threshold in 15 minutes is no more than 15 counts.

(4) Intermodulation Distortion

The Second Order (R2) and Third Order (R3) Intermodulation Distortion products are equal to or greater than:

Second Order (R2)	33 dB
Third Order (R3)	37 dB

(5) Phase Jitter

The Phase Jitter over the 4-300 Hz frequency band is less than or equal to 5° peak-to-peak.

(6) Frequency Shift

The maximum Frequency Shift does not exceed -2 to +2 Hz.

(B) Data Transmission Parameters Type DB

(1) Signal to C-Notched Noise Ratio

The signal to C-Notched Noise Ratio is equal to or greater than 30 dB.

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6.5 Transmission Specifications (Cont'd)

6.5.2 Data Transmission Parameters (Cont'd)

(B) Data Transmission Parameters Type DB

(2) Envelope Delay Distortion

The maximum Envelope Delay Distortion for the frequency bands and route miles specified is:

	<u>604 to 2804 Hz</u>	
less than 50 route miles		800 microseconds
equal to or greater than 50 route miles		1000 microseconds
	<u>1004 to 2404 Hz</u>	
less than 50 route miles		320 microseconds
equal to or greater than 50 route miles		500 microseconds

(3) Impulse Noise Counts

The Impulse Noise Counts exceeding a 67 dBrnC0 threshold in 15 minutes is no more than 15 counts.

(4) Intermodulation Distortion

The Second Order (R2) and Third Order (R3) Intermodulation Distortion products are equal to or greater than:

Second Order (R2)	31 dB
Third Order (R3)	34 dB

(5) Phase Jitter

The Phase Jitter over the 4-300 Hz frequency band is less than or equal to 7° peak-to-peak.

(6) Frequency Shift

The maximum Frequency Shift does not exceed -2 to +2 Hz.

SWITCHED ACCESS SERVICE

6.5 Transmission Specifications (Cont'd)

6.5.2 Data Transmission Parameters (Cont'd)

(C) WATS Access Line Data Transmission Parameters

(1) Signal to C-Notched Noise Ratio

The maximum Signal to C-Notched Noise Ratio is 30 dB.

(2) Envelope Delay Distortion

The maximum Envelope Delay Distortion for the frequency bands specified is:

1000 microseconds	604 to 2804 Hz
500 microseconds	1000 to 2304 Hz

(3) Impulse Noise Counts

The Impulse Noise Counts exceeding a 67 dBrnC0 threshold in 15 minute is no more than 15 counts.

(4) Intermodulation Distortion

The Second Order (R2) and Third Order (R3) Intermodulation Distortion products are equal to or greater than:

Second Order (R2)	31 dB
Third Order (R3)	34 dB

(5) Phase Jitter

The Phase Jitter over the 4 to 300 Hz frequency band is less than or equal to 7° peak-to-peak.

(6) Frequency Shift

The maximum Frequency Shift does not exceed -2 to +2 Hz.

6.5.3 WATS Access Line

(A) Improved Two-Wire Voice Transmission Specifications

(1) Loss Deviation

The Maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is -4.0 dB to +4.0 dB.

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6.5 Transmission Specifications (Cont'd)

6.5.3 WATS Access Line (Cont'd)

(A) Improved Two-Wire Voice Transmission Specifications (Cont'd)

(2) Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 2804 Hz frequency band relative to loss at 1004 Hz is -2.0 dB to +6.0 dB.

(a) C-Message Noise

The maximum C-Message Noise for the transmission path at the route miles listed is less than:

<u>Route Miles</u>	<u>C-Message Noise</u>
less than 50	35 dBrnCO
51 to 100	37 dBrnCO
101 to 200	40 dBrnCO
201 to 400	43 dBrnCO
401 to 1000	45 dBrnCO

(4) Return Loss

The Return Loss, expressed as Echo Return Loss (ERL) and Singing Return Loss (SRL), is equal to or greater than:

ERL	13.0 dB
SRL	6.0 dB

6.6 Obligations of the Telephone Company

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

6.6.1 Network Management

The Telephone Company will administer its network to insure the provision of acceptable service levels to all telecommunications users of the Telephone Company's network services. Generally, service levels are considered acceptable only when both end users and customers are able to establish connections with little or no delay encountered within the Telephone Company network. The Telephone Company maintains the right to apply protective controls, i.e., those actions, such as call gapping, which selectively cancel the completion of traffic, over

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6.6 Transmission Specifications (Cont'd)

6.6.1 Network Management (Cont'd)

any traffic carried over its network, including that associated with a customer's Switched Access Service. Generally, such protective measures would only be taken as a result of occurrences such as failure or overload of Telephone Company or customer facilities, natural disasters, mass calling or national security demands. In the event that the protective controls applied by the Telephone Company result in the complete loss of service by the customer, the customer will be granted a Credit Allowance for Service Interruption as set forth in 2.4.4(B) (3) preceding.

6.6.2 Design and Traffic Routing of Switched Access Service

For Switched Access Services, when ordered in busy hour minutes of capacity, the Telephone Company shall design and determine the routing of Switch Access Service, including the selection of the first point of switching and the selection of facilities from the interface to any switching point and to the end offices where busy hour minutes of capacity are ordered. The Telephone Company shall also decide if capacity is to be provided by originated-only, terminating-only, or two-way trunk groups. Finally, the Telephone Company will decide whether trunk side access will be provided through the use of two-wire or four-wire trunk terminating equipment. Selection of facilities and equipment and traffic routing of the service are based on standard engineering methods, available facilities and equipment and the Telephone Company traffic routing plans. If the customer desires routing or directionality different from that determined by the Telephone Company, the Telephone Company will work cooperatively with the customer in determining 1) whether the service is to be routed directly to an end office or through an access tandem switch and 2) the directionality of the service.

For Switched Access Services when ordered in trunks, the line or trunk directionality and traffic routing of the Switched Access Service between the customer's premises and the entry switch are determined by the customer's order for service. Additionally, for Feature Group B the customer may order the optional feature Customer Specification of Local Transport Termination.

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6.6 Transmission Specifications (Cont'd)

6.6.3 Provision of Service Performance Data

Subject to availability, end-to-end service performance data available to the Telephone Company through its own service evaluation routines, may also be made available to the customer based on previously arranged intervals and format. These data provide information on overall end-to-end call completion and noncompletion performance, e.g., customer equipment blockage, failure results and transmission performance. These data do not include service performance data which are provided under other tariff sections, e.g., testing service results. If data are to be provided in other than paper format, the charges for such exchange will be determined on an Individual Case Basis.

6.6.4 Trunk Group Measurements Reports

Subject to availability, the Telephone Company will make available trunk group data in the form of usage in CCS, peg count and overflow, to the customer based on previously agreed to intervals.

SWITCHED ACCESS SERVICE

6.6 Transmission Specifications (Cont'd)

6.6.6 Determination of Number of End Office Transport Terminations

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

6.6.7 Design Blocking Probability

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

- (A) For Lineside BSA and Feature Group A, no design blocking criteria apply.
- (B) For Trunkside BSA-MTS/WATS Option, the design blocking objective will be no greater than one percent (.01) between the point of termination at the customer's premises and the first point of switching when traffic is directly routed without an alternate route. Standard traffic engineering methods will be used by the Telephone Company to determine the number of transmission paths required to achieve this level of blocking.
- (C) For Trunkside BSA-950 Option, Trunkside BSA-101XXXX Option, Feature Group B and Feature Group D, the design blocking objective will be no greater than one percent (.01) between the point of termination at the customer's premises and the end office switch, whether the traffic is directly routed without an alternate route or routed via an access tandem. Standard traffic engineering methods as set forth in reference document Telecommunications Transmission Engineering - Volume 3 - Networks and Services (Chapters 6-7) will be used by the Telephone Company to determine the number of transmission paths required to achieve this level of blocking.
- (D) The Telephone Company will perform routine measurement functions except on Lineside BSA and Feature Group A to assure that an adequate number of transmission paths are in service. The Telephone Company will recommend that additional capacity, i.e., busy hour minutes of capacity or trunks, be ordered by the customer when additional paths are required to reduce the measured blocking to the designed blocking level. For the capacity ordered, the design blocking objective is assumed to have been met if the routine measurements show that the measured blocking does not exceed the threshold listed in the following tables.

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6.6 Transmission Specifications (Cont'd)

6.6.7 Design Blocking Probability (Cont'd)

(D) (Cont'd)

- (1) For transmission paths carrying only first routed traffic direct between an end office and customer's premises without an alternate route, and for paths carrying only overflow traffic, the measured blocking thresholds are as follows.

Number of Transmission Paths, per trunk group	Measured Blocking Thresholds in the Time Consistent Busy Hour for the Number of Measurements Taken Between 8:00 A.M. and 11:00 P.M., per trunk group			
	15-20 Measurements	11-14 Measurements	7-10 Measurements	3-6 Measurements
2	.070	.080	.090	.140
3	.050	.060	.070	.090
4	.050	.060	.070	.080
5-6	.040	.050	.060	.070
7 or more	.030	.035	.040	.060

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

Number of Transmission Paths, per trunk group	Measured Blocking Thresholds in the Time Consistent Busy Hour for the Number of Measurements Taken Between 8:00 A.M. and 11:00 P.M., per trunk group			
	15-20 Measurements	11-14 Measurements	7-10 Measurements	3-6 Measurements
2	.045	.055	.060	.095
3	.035	.040	.045	.060
4	.035	.040	.045	.055
5-6	.025	.035	.040	.045
7 or more	.020	.025	.030	.040

6.6.8 Operator Transfer Service*

(T)

(D)

(D)

* Effective April 6, 2013, Operator Transfer Service has been withdrawn and is no longer available.

(N)

(N)

Issued: April 5, 2013

Effective: April 6, 2013

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6.7 Obligations of the Customer

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

6.7.1 Report Requirements

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

(A) Jurisdictional Reports

When a customer orders Switched Access Service for both interstate and intrastate use, the customer is responsible for providing reports as set forth in 2.3.14 preceding. Charges will be apportioned in accordance with those reports. The method to be used for determining the intrastate charges is set forth in 2.3.15 preceding.

(B) Code Screening Reports

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

6.7.2 Supervisory Signaling

The customer's facilities shall provide the necessary on-hook, off-hook answer and disconnect supervision. For WATS Toll Free Data Base Access Service which originates from end offices other than equal access end offices with the customer identification function, and for Feature Group B, the customer shall provide answer off-hook signal upon completion of the outpulsed signaling sequence at his point of termination.

For Feature Group D, including WATS Toll Free Data Base Access Service from equal access end offices with the customer identification function, the customer shall return answer off-hook signal when the called party answers.

6.7.3 Trunk Group Measurements Reports

With the agreement of the customer, trunk group data in the form of usage in CCS, peg count and overflow for its end of all access trunk groups, where technologically feasible, will be made available to the Telephone Company. These data will be used to monitor trunk group utilization and service performance and will be based on previously arranged intervals and format.

SWITCHED ACCESS SERVICE

6.7 Obligations of the Customer

6.7.4 Design of Switched Access Services

When a customer orders Trunkside BSA-101XXXX Option, Feature Group D or WATS Toll Free Data Base Access Service on a per trunk basis, it is the customer's responsibility to assure that sufficient access services have been ordered to handle its traffic or the blocking charge as specified in 6.8.9 will be applied.

6.8 Rate Regulations

This section contains the specific regulations governing the rates and charges specified in 6.9 following that apply for Switched Access Service.

6.8.1 Description and Application of Rates and Charges

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

(A) Monthly Rates

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

(B) Usage Rates

Usage rates are rates that apply only when a specific rate element is used. These are applied on a per access minute or per call basis. Access usage charges are accumulated over a monthly period.

(C) Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for a specific work activity (i.e., installation or change to an existing service). The types of nonrecurring charges that apply for Switched Access Service are: installation of service and service rearrangements.

Certain nonrecurring charges applicable to the installation of access service consist of a "first" and "additional" charge. For each facility, line, or trunk ordered, the first charge applies to the first facility, line, or trunk specified on the order, with the additional charge applied to each additional facility, line, or trunk specified on the same order between same locations.

SWITCHED ACCESS SERVICE

6.8 Rate Regulations (Cont'd)

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

(C) Nonrecurring Charges (Cont'd)

(1) Installation of Service

Nonrecurring charges apply when Common Channel Signaling Access Service is installed for use with Trunkside BSA-101XXXX Option or Feature Group D.

(2) Service Rearrangements

All changes to existing services other than changes involving administrative activities only will be treated as a discontinuance of the existing service and an installation of a new service. The nonrecurring charge described in (1) preceding will apply for this work activity. Moves that change the physical location of the point of termination are described and charged for as set forth in 6.8.7 following.

Administrative changes will be made without charge(s) to the customer. Administrative changes are as follows:

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

All other service rearrangements will be charged for as follows:

If the change involves the addition of an optional feature of BSE which has a separate nonrecurring charge, that recurring charge will apply.

SWITCHED ACCESS SERVICE

6.8 Rate Regulations (Cont'd)

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

(C) Nonrecurring Charges (Cont'd)

(2) Service Rearrangements (Cont'd)

A charge as specified following will apply on each transmission path reconfigured from:

- SS7 signaling to MF signaling
- 64CCC to SS7 signaling
- 64CCC to MF signaling

When out of band signaling or 64CCC is ordered, the customer may add Calling Party Number (CPN), Charge Number (CN), Carrier Selection Parameter (CSP), and Access Transport Parameter (ATP) at no additional charge if these features are specified at the time out of band signaling or 64CCC is ordered for existing switched access trunks.

For the Dedicated Network Access Line BSA, the addition of optional features without separate nonrecurring charges, a charge equal to a channel termination rate element first nonrecurring change charge will apply. Only one such charge will apply per service per change.

Service Rearrangement charges are specified in Section 6.9.1 following and apply on a per termination basis for the following service rearrangements:

- (a) rearranging an existing subtending service from one port to another in the same multiplexing arrangement;
- (b) rearranging an existing subtending service from one multiplexing arrangement to another like multiplexing arrangement in the same wire center; and
- (c) rearranging an existing service into a high capacity service multiplexing arrangement in the same wire center.
- (d) rearranging an existing service to a Collocated Interconnection Cross-Connect Service in the same wire center;
- (e) rearranging a Collocated Interconnection Cross-Connect Service to a Switched Access Service in the same wire center; and

SWITCHED ACCESS SERVICE

6.8 Rate Regulations (Cont'd)

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

(C) Nonrecurring Charges (Cont's)

(2) Service Rearrangements (Cont'd)

When services are rearranged as described above, the "Additional" rate element for the Rearrangement Charges may apply to all such rearranged services beyond the first without regard to their end-point locations, so long as they are all of the same service type, have the same date due, and are all being rearranged to the same multiplexer as the service which is incurring the associated "First" Rearrangement Charge.

(3) Connection Charge

The Switched Access Connection Charge recovers the costs of connecting the trunks/line to the switch. These charges are in addition to any facility charges and are to be applied on a per line/per trunk basis.

(4) Service Order Charge

The Service Order Charge applies to every order issued and is in addition to all other applicable non-recurring charges.

- (5) In addition, the facility non-recurring charge will not apply for changing facility capacity or facility interface (i.e., changes from or to Voice Grade, DS1 or DS3 facilities). No facility non-recurring charge will apply for adding new facilities as well as rearranging trunks on existing facilities in order to increase utilization or fill. These charges will not apply as long as the order is completed by April 22, 1995.

(D) Switched Transport Rate Elements

(1) Entrance Facility

The Entrance Facility monthly rate provides for the communication path between a customer's premises and the SWC of that premises and is assessed based on the capacity of the facilities provided (e.g., Voice Grade, DS1, or DS3). When Lineside Switched Access service is ordered, the Voice Grade Entrance Facility rate is assessed for each Lineside service requested unless the customer requests an Entrance Facility of higher capacity. The Entrance Facility rate is assessed when the customer premises and the SWC are in the same building. The Entrance Facility rate is in addition to the rates assessed for Direct Trunked Transport and Tandem Switched Transport.

SWITCHED ACCESS SERVICE

6.8 Rate Regulations (Cont'd)

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

(D) Switched Transport Rate Elements (Cont'd)

(2) Direct Trunked Transport

The Direct Trunked Transport monthly rate provides for the transmission facilities between the SWC of the customer's facilities to the end office or access tandem based on the capacity of the facility requested, i.e. Voice Grade, DS1, or DS3. When Lineside Switched Access service is ordered, the Voice Grade Direct Trunked Transport rate is assessed for each Lineside service requested unless the customer requests a Direct Trunked Transport facility of higher capacity. There are two rates that apply, a fixed rate and a rate per mile. The Direct Trunked Transport rate is in addition to the Entrance Facility rate. Mileage measurement is described in 6.8.10 following.

(3) Tandem Transport Charge

The Tandem Transport Charge is assessed on a per minute of use basis. There are two rates that apply, a fixed rate and a rate per mile/per minute. The Tandem Transport rate is in addition to the Entrance Facility rate. Mileage measurement is described in 6.8.10 following.

(4) Tandem Switching

The Tandem Switching rate is assessed on a per minute of use basis and is applicable to all Switched Access minutes of use utilizing an access tandem via Tandem Switched Trunk. The Tandem Switching rate is in addition to the Tandem Transmission rate and the rates associated with the Entrance Facility.

(5) RESERVED FOR FUTURE USE

- (6) Where Switched Access Service is used to carry traffic originated from a TRS Center, Switched Transport rates apply. Local Switching rates do not apply.

SWITCHED ACCESS SERVICE

6.8 Rate Regulations (Cont'd)

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

(D) Switched Transport Rate Elements (Cont'd)

- (7) The following rate elements apply for FGA provided with a voice grade interface

Recurring Rate Elements

- Entrance Facility - 2 wire or 4 wire
- Direct Trunked Transport, fixed and per mile, measured from the SWC to the DTO.

Terminating Usage Rate Elements

- Tandem fixed MOU and per mile MOU rates apply from the DTO to the End Office where the call terminates.
- Local Switching MOU.
- The Interconnection rate applies also to all Local Switching MOU.

Originating Usage Rate Elements

- Local Switching MOU
- The IC rate applies to all Local Switching MOU.

- (8) The following rate elements apply for FGA provided with a digital interface

Recurring Rate Elements

- Entrance Facility - DS1
- Direct-Trunked Transport, fixed and per mile, measured from the SWC to the DTO.
- Multiplexer

Originating and Terminating Usage

- Local Switching MOU
- The Interconnection rate applies also to all Local Switching MOUs

If the facility terminates at a remote switch, tandem fixed and per mile per MOU may also apply. See 6.8.12.

SWITCHED ACCESS SERVICE

6.8 Rate Regulations (Cont'd)

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

(D) Switched Transport Rate Elements (Cont'd)

(9) Multiplexing

No multiplexing charge will apply if an individual circuit carrying trunks is at a DS1 level (Entrance Facilities and Direct Trunked Transport) and terminating at a specific switch.

6.8.2 Minimum Periods

The minimum service period for Switched Transport entrance facilities and direct trunked transport are as follows:

DS1:	2 months
DS3:	12 months

All other Switched Access Service is provided for a minimum period of one month.

When service is disconnected prior to the expiration of the minimum period, charges are applicable for the balance of the minimum period. Customers may at any time change their service payment option to a Term Payment Plan without assessment of the minimum service charge.

6.8.3 Switch Access Service for Resale of WATS-Type and WATS Services

When the customer orders combined access as set forth in 3.3 preceding, subject to the limitations as set forth in 3.2 preceding, and the Telephone Company receives the information furnished as set forth 3.4(F) preceding, the following regulations apply.

- (A) As set forth in 3.4(F) preceding, the customer shall supply specific documentation in connection with the provision of combined access. Such documentation shall be supplied each month and shall identify the involved resold WATS and/or WATS-type services. The monthly period used to determine the minutes of use per resold WATS and/or WATS-type services shall be the most recent month period for which the customer has received a bill for such resold WATS and/or WATS-type service. The customer furnished information shall show the bill date for the resold WATS and/or

SWITCHED ACCESS SERVICE

6.8 Rate Regulations (Cont'd)

6.8.3 Switch Access Service for Resale of WATS-Type and WATS Services
(Cont'd)

(A) (Cont'd)

WATS-type services. The customer shall also specify the number of resold WATS and/or WATS-type services to be associated with each combined access group. If this number is not reported, the Telephone Company will assume that all identified resold WATS and/or WATS-type services are to be associated with the line side combined access group. This information shall be delivered to the Telephone Company, at a location specified by the Telephone Company, no later than 15 days after the bill date shown on the resold WATS and/or WATS-type service bill. If the required documentation is not received by the Telephone Company the previously reported information as described in 3.4(F) preceding or assumed information as described in 3.7(1)(c) preceding will be used for the next two months. For any subsequent month no allocation or credit will be made until the required documentation is delivered to the Telephone Company by the customer. The rate treatment set forth in 6.8.3 following will not apply in these cases.

(B) (1) Combined Access Groups

When combined access groups are provided in a LATA where all end offices have been converted to equal access, the following regulations apply:

- (a) Each line side Switched Access Service provided as set forth in 3.7(2) (b) preceding will be billed at local business exchange service rates as set forth in (4) following.
- (b) Switched Access Service rates will apply for the line side and trunk side combined access groups as follows.

For line side Switched Access Service provided in a combined access group, the minutes billed will be all the terminating intrastate access minutes and the adjusted originating intrastate access minutes for such combined groups. The adjusted originating minutes will be the originating intrastate access minutes less a prorated portion of the resold WATS and/or WATS-type service minutes of use. The Telephone Company will determine the minutes of use prorate for each combined access group based on the number of lines and/or trunks provided in all combined access groups in the LATA.

SWITCHED ACCESS SERVICE

6.8 Rate Regulations (Cont'd)

6.8.3 Switched Access Service for Resale of WATS-Type and WATS Services
(Cont'd)

(B) (1) (Cont'd)

(b) (Cont'd)

For trunk side Switched Access Service provided in a combined access group, the minutes billed will be all the terminating and originating intrastate access minutes for such combined groups.

The rates that apply for the line side Switched Access Service and/or the trunk side Switched Access Service access minutes will be the Switched Access Service rates as set forth in 6.9 following.

- (2) For each Switched Access Service provided as set forth in (1) (a), (2) (a) and/or (3) (a) preceding, local business exchange service rates as set forth in 6.9.4 shall apply. The exchange involved shall be the exchange in which the service is provided.

The number of line side Switched Access Services billed at rates as set forth in 6.9.4 following shall not exceed the number of line side connections provided in line side combined access groups in service in a LATA.

The local business exchange service rates to be charged for a line side Switched Access Service where the local business exchange service is measured service, will be based on the average terminating access minutes per line for the combined access group involved. The number of minutes will be the average minutes per line times the number of lines rated at local business exchange service rates.

The local business exchange service usage charge applied to such minutes will be the generally applicable local business exchange service measured rate for the exchange involved.

No local measured service minutes are billed for a combined access group provided in an end office converted to equal access because all the terminating access minutes are billed as Switched Access Service access minutes.

- (3) The adjustments set forth in (1), (2) and (3) preceding will be made to the involved customer account no later than either the next bill date, or the one subsequent to that, depending on when the usage data is obtained.

SWITCHED ACCESS SERVICE

6.8 Rate Regulations (Cont'd)

6.8.3 Switched Access Service for Resale of WATS-Type and WATS Services
(Cont'd)

(B) (Cont'd)

- (4) When resold WATS and/or WATS-type service usage is shown in hours, the number of hours shall be multiplied by 60 to develop the resold WATS and/or WATS-type service minutes of use. If the resold WATS and/or WATS-type service usage is shown in a unit other than hours or minutes, the customer shall provide a factor to convert that unit to minutes.
- (5) The originating intrastate access minutes for Switched Access Service, adjusted as set forth in (2) or (3) preceding, or any other section of this tariff, that are billed to a customer in a monthly period shall not be less than zero.

(C) When Combined Access is provided, the Telephone Company may request WATS or WATS-type service usage for which the customer was billed. For WATS service, the usage may be requested from either the customer or the provider of the WATS service. For WATS-type service, the usage will be requested from the customer. The requests for this information will relate back no more than 12 months prior to the current billing period.

(D) When the customer orders Switched Access Service associated with the resale of Private Line Service which is provided with the use of Special Access Service, the regulations set forth in 3.3(C) preceding and 7.4.2 following shall apply.

6.8.4 Change of Feature Group or BSA Type

Changes from one type of Feature Group to another Type, or from one type of BSA to another Type of BSA, will be treated as a discontinuance of one type of service and a start of another. Nonrecurring charges will apply, with one exception. When a customer upgrades a Feature Group A or B service to a Feature Group D service, or upgrades a Lineside BSA, Trunkside BSA-950 Option to a Trunkside BSA-101XXXX Option the nonrecurring charges will not apply if the following conditions are met:

- (A) The same customer premises must be maintained on the order for the FGB trunks, unless mutually agreed upon by the Telephone Company and the customer when appropriate Telephone Company central office switching equipment and other facilities exists, and

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6.8 Rate Regulations (Cont'd)

6.8.4 Change of Feature Group or BSA Type (Cont'd)

- (B) The orders for the disconnect of the FGA or FGB service and the start of FGD service are placed with the Telephone Company at the same time, and the customer requests the FGA or FGB service be disconnected no more than 90 days after the start of FGD services.
- (C) Subject to the availability of appropriate Telephone Company central office switching equipment and other facilities, customers may upgrade from one-way FGB trunks to two-way FGD trunks and not be subject to charge as long as the number of two-way FGD trunks does not exceed the number of one-way FGB trunks disconnected, i.e., a one-for-one substitution of one-way trunks for two-way trunks. 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 are available. Conversion of one-way FGB trunks to two-way FGD trunks will be scheduled on a project basis by the Telephone Company, in cooperation with the customer.
- (D) Subject to the availability of appropriate Telephone Company central office switching equipment and facilities, customers may upgrade from Trunkside BSA-950 Option or FGB trunks with MF signaling to Trunkside BSA-101XXXX Option or FGD trunks with SS7 signaling or 64CCC and not be subject to charge as long as the customer requests SS7 signaling or 64CCC on their new order for Trunkside BSA-101XXXX Option or FGD trunks. Out of band signaling connections provided under Common Channel Signaling Access Service must be established as specified preceding. The number of Trunkside BSA-101XXXX Option or FGD trunks with SS7 signaling or 64CCC can not exceed the number of Trunkside BSA-950 Option or FGB trunks with MF signaling that are disconnected, i.e., a one-for-one substitution of Trunkside BSA-101XXXX Option or FGD trunks with SS7 signaling or 64CCC for Trunkside BSA-950 Option or FGB trunks with MF signaling.

The Telephone Company reserves the right to determine if Trunkside BSA-950 Option or FGB may be upgraded to Trunkside BSA-101XXXX Option or FGD and converted to out of band signaling at the same time. If necessary, the Telephone Company will treat such requests as two separate projects and charges will be waived as specified above and in section 6.1.3 preceding.

When a customer upgrades a Feature Group A or B service to Feature Group D service, minimum period obligations will not change, i.e., the time elapsed in the existing minimum period obligations will be credited to the minimum period obligations for Feature Group D service. For all other changes from one type of Feature Group to another, new minimum period obligations will be established.

SWITCHED ACCESS SERVICE

6.8 Rate Regulations (Cont'd)

6.8.4 Change of Feature Group or BSA Type (Cont'd)

6.8.4.1 Conversion of Existing Feature Groups to Basic Service Arrangements

Nonrecurring charges will not apply to the conversion of existing Feature Groups to their unbundled BSA equivalents. However, during the transition period as set forth in Section 6.1 preceding, conversions from a BSA to its equivalent Feature Group will be treated as a discontinuance of one type of service and a start of another (nonrecurring charges will apply).

When a customer converts an existing Feature Group to its unbundled BSA equivalent, minimum period obligations will not change, i.e., the time elapsed in the existing minimum period obligations will be credited to the minimum period obligations for the BSA. For changes from a BSA to a Feature Group during the transition period as noted above, new minimum period obligations will be established.

When the initial order for Trunkside BSA-950 Option, in a LATA, is received by the Telephone Company, that order will cause conversion of existing FGB services, in that LATA, to the Trunkside BSA-950 Option rate structure for the CIC associated with that order.

When the initial order for Trunkside BSA-MTS/WATS Option, in a LATA, is received by the Telephone Company, that order will cause conversion of existing FGC services, in that LATA, to the Trunkside BSA-MTS/WATS Option rate structure for the CIC associated with that order.

When the initial order for Trunkside BSA-101XXXX Option, in a LATA, is received by the Telephone Company, that order will cause conversion of existing FGD services, in that LATA, to the Trunkside BSA-101XXXX Option rate structure for the CIC associated with that order.

Orders for Lineside BSA will not cause conversion of FGA services within the LATA where the Lineside BSA is ordered. However, Lineside BSA and FGA services cannot be combined in the same Hunting Service Arrangement. All orders or customer requests to convert existing Feature Group services to their ONA equivalents must be received by

SWITCHED ACCESS SERVICE

6.8 Rate Regulations (Cont'd)

6.8.4 Change of Feature Group or BSA Type (Cont'd)

6.8.4.1 Conversion of Existing Feature Groups to Basic Service Arrangements (Cont'd)

the Telephone Company by May 1, 1993. If a customer does not submit an order causing conversion of existing Feature Group services, or request that the Telephone Company convert existing Feature Group services, or request that the Telephone Company convert existing Feature Group services to their ONA equivalents by May 1, 1993, then those Feature Group services which have not been converted will be converted to their ONA equivalents on July 1, 1993. Any optional feature provisioned with a Feature Group service which has a corresponding BSE will be charged the BSE rate, and any option which does not have a corresponding BSE will remain as an optional feature.

6.8.5 Moves

A move involves a change in the physical location of the customers premises.

Moves to a Different Building

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

6.8.6 Measuring Access Minutes

Customer traffic to end office will be measured (i.e., recorded or assumed) by the Telephone Company at end office switches or access tandem switches. Originating and terminating calls will be measured (i.e., recorded or assumed) by the Telephone Company to determine the basis for computing chargeable access minutes. For terminating calls over usage rated Lineside BSA, Trunkside BSA-950 Option, Trunkside BSA-MTS/WATS Option to WATS Toll Free Data Base Access Service, Trunkside BSA-101XXXX, FGA and FGB, and FGD, and for originating calls over usage rated MTS/WATS-type Lineside BSA, Trunkside BSA-950 Option, Trunkside BSA-101XXXX Option, FGA and FGB and FGD, the measured access minutes are the chargeable access minutes. For originating calls over usage rated FX/ONAL Lineside BSA, Trunkside BSA-MTS/WATS Option, and FGA, chargeable originating access minutes are derived from recorded minutes in the following manner.

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6.8 Rate Regulations (Cont'd)

6.8.6 Measuring Access Minutes (Cont'd)

Step 1: Obtain recorded originating minutes and messages (measured as set forth in (A) and (C) following for FX/ONAL Lineside BSA, Trunkside BSA-MTS/WATS Option, and FGA respectively) from the appropriate recording data.

Step 2: Obtain the total attempts by dividing the originating measured messages by the completion ratio. Completion ratios (CR) are obtained separately for the major call categories such as DDD, operator, WATS Toll Free Data Base Access Service, 900, directory assistance and international from a sample study which analyzes the ultimate completion status of the total attempts which receive acknowledgement from the customer. That is, Measured Messages divided by Completion Ratio equals Total Attempts.

Step 3: Obtain the total nonconversation time additive (NCTA) by multiplying the total attempts (obtained in Step 2) by the NCTA per-attempt ratio. The NCTA per-attempt ratio is obtained from the sample study identified in Step 2 by measuring the nonconversation time associated with both completed and uncompleted attempts. The total NCTA is the time on a completed attempt from customer acknowledgement of receipt of call to called party answer (set up and ringing) plus the time on an uncompleted attempt from customer acknowledgement of call until the access tandem or end office receives a disconnect signal (ring - no answer, busy or network blockage). That is, Total Attempts times Nonconversation Time per-attempt ratio equals Total NCTA.

Step 4: Obtain total chargeable originating access minutes by adding the total NCTA (obtained in Step 3) to the recorded originating measured minutes (obtained in Step 1). That is, Measured Minutes plus NCTA equals Chargeable Originating Access Minutes.

Following is an example which illustrates how the chargeable originating access minutes are derived from the measured originating minutes using this formula.

SWITCHED ACCESS SERVICE

6.8 Rate Regulations (Cont'd)

6.8.6 Measuring Access Minutes (Cont'd)

Where: Measured Minutes (M. Min.) = 7,000
Measured Messages (M. Mes.) = 1,000
Completion Ratio (CR) = .75
NCTA per Attempt = .4

(1) Total Attempts = $\frac{1.000 \text{ (M. Mes.)}}{.7 \text{ (CR)}} = 1,333.33$

(2) Total NCTA = $.4 \text{ (NCTA per Attempt)} \times 1,333.33 = 533.33$

(3) Total Chargeable Originating Access Minutes = $7,000 \text{ (M. Min.)} + 533.33 \text{ (NCTA)} = 7,533.33$

When assumed minutes are used, the assumed minutes are the chargeable access minutes.

Usage rated Lineside BSA and FGA access minutes or fractions thereof, the exact value of the fraction being a function of the switch technology where the measurement is made, are accumulated over the billing period for each line or hunt group, and are then rounded up to the nearest access minute for each line or hunt group. Usage rated Trunkside BSA-950 Option, Trunkside BSA-MTS/WATS Option, Trunkside BSA-101XXXX Option, FGB, and FGD access minutes or fractions thereof, the exact value of the fraction being a function of the switch technology where the measurement is made, are accumulated over the billing period for each end office, and are then rounded up to the nearest access minute for each end office.

Assumed minutes are used for FX/ONAL Lineside BSA and FGA services which originate or terminate in end offices not equipped with measurement capabilities. The assumed average access minutes where measurement capability is not available are as set forth in 3.7(C) preceding.

(A) Lineside BSA and Feature Group A Usage Measurement

For originating calls over Lineside BSA or FGA, usage measurement begins when the originating Lineside BSA or FGA entry switch receives an off-hook supervisory signal forwarded from the customer's point of termination. (Where Lineside BSA or FGA is used for MTS/WATS-type services, this off-hook signal is generally provided by the customer's equipment. Where Lineside BSA or FGA is used for FX/ONAL services, the off-hook signal is generally forwarded by the customer's equipment when the called party answers.)

SWITCHED ACCESS SERVICE

6.8 Rate Regulations (Cont'd)

6.8.6 Measuring Access Minutes (Cont'd)

(A) Lineside BSA and Feature Group A Usage Measurement (Cont'd)

The measurement of originating call usage over Lineside BSA or FGA ends when the originating Lineside BSA or FGA entry switch receives an on-hook supervisory signal from either the originating end user's end office, indicating the originating end user has disconnected, or the customer's point of termination, whichever is recognized first by the entry switch.

For terminating calls over Lineside BSA or FGA, usage measurement begins when the terminating Lineside BSA or FGA entry switch receives an off-hook supervisory signal from the terminating end user's end office, indicating the terminating end user has answered. The measurement of terminating call usage over Lineside BSA or FGA ends when the terminating Lineside BSA or FGA entry switch receives an on-hook supervisory signal from either the terminating end user's end office, indicating the terminating end user has disconnected, or the customer's point of termination, whichever is recognized first by the entry switch.

(B) Trunkside BSA-950 Option and Feature Group B Usage Measurement

For originating calls over Trunkside BSA-950 Option or FGB, usage measurement begins when the originating Trunkside BSA-950 Option or FGB entry switch receives answer supervision forwarded from the customer's point of termination, indicating the customer's equipment has answered.

The measurement of originating call usage over Trunkside BSA-950 Option or FGB ends when the originating Trunkside BSA-950 Option or FGB entry switch receives disconnect supervision from either the originating end user's end office, indicating the originating end user has disconnected, or the customer's point of termination, whichever is recognized first by the entry switch.

For terminating calls over Trunkside BSA-950 Option or FGB, usage measurement begins when the terminating Trunkside BSA-950 Option or FGB entry switch receives answer supervision from the terminating end user's end office, indicating the terminating end user has answered.

The measurement of terminating call usage over Trunkside BSA-950 Option or FGB ends when the terminating Trunkside BSA-950 Option or FGB entry switch receives disconnect supervision from either the terminating end user's end office indicating the terminating end user has disconnected, or the customer's point of termination, whichever is recognized first by the entry switch.

SWITCHED ACCESS SERVICE

6.8 Rate Regulations (Cont'd)

6.8.6 Measuring Access Minutes (Cont'd)

(C) Trunkside BSA-MTS/WATS Option and Feature Group C Usage Measurement

For originating calls over Trunkside BAS-MTS/WATS Option, usage measurement begins when the originating Trunkside BSA-MTS/WATS Option entry switch receives answer supervision from the customer's point of termination, indicating the called party has answered.

The measurement of originating call usage over Trunkside BSA-MTS/WATS Option ends when the originating Trunkside BSA-MTS/WATS Option entry switch receives disconnect supervision from either the originating end user's end office, indicating the originating end user has disconnected, or the customer's point of termination, whichever is recognized first by the entry switch.

For terminating calls over Trunkside BSA-MTS/WATS Option to services other than WATS Toll Free, 900 or Directory Assistance, terminating Trunkside BSA-MTS/WATS Option usage is not directly measured at the terminating entry switch, but is imputed from originating usage, excluding usage from calls to Toll Free, 900 or Directory Assistance Services.

For terminating calls over Trunkside BSA-MTS/WATS Option to WATS Toll Free Service, usage measurement begins when the terminating Trunkside BSA-MTS/WATS Option entry switch receives answer supervision from the terminating end user's end office, indicating the terminating WATS Toll Free Service end user has answered.

The measurement of terminating call usage over Trunkside BSA-MTS/WATS Option to WATS Toll Free Service ends when the Terminating Trunkside BSA-MTS/WATS entry switch receives an on-hook supervisory signal from the terminating end user's end office, indicating the terminating WATS Toll Free Service end user has disconnected, or from the customer's point of termination, whichever is recognized first by the entry switch.

(D) Trunkside BSA-101XXXX Option and Feature Group D Usage Measurement

For originating calls over Trunkside BSA-101XXXX Option or FGD with multifrequency address signaling, usage measurement begins when the originating Trunkside BSA-101XXXX Option or FGD entry switch receives the first wink supervisory signal forwarded from the customer's point of termination. For originating calls over Trunkside BSA-101XXXX Option or FGD with out of band signaling, usage measurement begins when the last point of switching sends the initial address message to the customer.

SWITCHED ACCESS SERVICE

6.8 Rate Regulations (Cont'd)

6.8.6 Measuring Access Minutes (Cont'd)

(D) Trunkside BSA-101XXXX Option and Feature Group D Usage Measurement (Cont'd)

The measurement of originating call usage over Trunkside BSA-101XXXX Option or FGD ends when the originating Trunkside BSA-101XXXX Option or FGD entry switch receives disconnect supervision from either the originating end user's end office, indicating the originating end user has disconnected, or the customer's point of termination, whichever is recognized first by the entry switch.

For terminating Trunkside BSA-101XXXX Option or calls over FGD, the measurement of access minutes begins when the terminating Trunkside BSA-101XXXX Option or FGD entry switch receives answer supervision from the terminating end user's end office, indicating the terminating end user has answered.

The measurement of terminating call usage over Trunkside BSA-101XXXX Option or FGD ends when the terminating Trunkside BSA-101XXXX Option or FGD entry switch receives disconnect supervision from either the terminating end user's end office, indicating the terminating end user has disconnected, or the customer's point of termination, whichever is recognized first by the entry switch.

(D)
|
(D)

(E) WATS Toll Free Data Base Access Service Usage Measurement

Usage measurement from non equal access and equal access end offices without the customer identification function begins when the end office switch receives answer supervision from the customer's point of termination, except Trunkside BSA-MTS/WATS Option. The usage measurement ends when the originating end office receives on hook supervision from the customer's point of termination except for Trunkside BSA-MTS/WATS Option.

Usage measurement from equal access end offices with the customer identification function begins when the end office switch receives the first wink supervisory signal forwarded from the customer's point of termination. The usage measurement ends when the originating end office receives disconnect supervision from either the originating end office, indicating the originating end user has disconnected, or the customer's point of termination, whichever is recognized first by the end office.

SWITCHED ACCESS SERVICE

6.8 Rate Regulations (Cont'd)

6.8.7 Application of Rates for Extension Service (Cont'd)

Lineside BSA and FGA Switched Access Service and Trunkside BSA-MTS/WATS Option, Trunkside BSA-101XXXX Option, and FGD WATS Access Lines are available with extensions, i.e., additional terminations of the service at different building(s) in a different LATA. Lineside BSA and FGA extensions within the LATA are provided and charged for under the Channel Services Tariff. Lineside BSA and FGA extensions in different LATAs and Trunkside BSA-MTS/WATS Option, Trunkside BSA-101XXXX Option, and FGD WATS Access Line extensions in different LATAs are provided and charged for as Special Access Service. The rate elements which apply are; a Voice Grade Channel Termination, Channel Mileage if applicable, and Signaling Capability if applicable. All appropriate monthly rates and nonrecurring charges specified in 7.5.3 following will apply.

6.8.8 Message Unit Credit

Calls from end users to the seven-digit local telephone numbers associated with Lineside BSA and Feature Group A Switched Access Service or Arrangement No. 1, are subject to Telephone Company local tariff charges (including message unit and long distance charges as applicable). The monthly bills rendered to customers for their Lineside BSA and Feature Group A Switched Access Service will include a credit to reflect any message unit charges collected from their end users under the Telephone Company's Local Exchange Services Tariff. When the customer is provided monthly rated Lineside BSA and FGA MTS/WATS-type service for use in both the originating and terminating directions, the credit will apply to access minutes not to exceed 4500. When the customer is provided monthly rated originating only Lineside BSA and FGA MTS/WATS-type service, the credit will apply to access minutes not to exceed 9000. No credit will apply for any terminating Lineside BSA and FGA access minutes. No message unit credit will be given when local business exchange rates apply as set forth in 6.8.3 preceding. The message unit credit for originating access minutes is as set forth in 6.9.6 following.

6.8.9 Local Information Delivery Services

Calls over Switched Access in the terminating direction to certain community information services will be rated under the applicable rates for Switched Access Service as set forth in 6.9 following. In addition, the charges per call as specified under the Telephone Company's Local Exchange Services Tariff, e.g., 976 Network Services, will also apply.

SWITCHED ACCESS SERVICE

6.8 Rate Regulations (Cont'd)

6.8.10 Mileage Measurement

The mileage to be used to determine the monthly rate for the Switched Transport is calculated on the airline distance between the end office switch where the call carried by Switched Transport originates or terminates and the customer's serving wire center, except as set forth in (A) through (F) following. The mileage to be used to determine the monthly rate for the Dedicated Network Access Link (DNAL) BSA Channel Mileage is calculated on the airline distance between the Telephone Company switch or central office where the corresponding BSE (e.g., Message Services Interface and Make Busy Arrangements) capability exists and the serving wire center associated with the customer's designated premises. Flat-rated services have a specific charge for transport that is not mileage sensitive (See 6.9.2 following). Where applicable, the V&H coordinates method is used to determine mileage.

To determine the rate to be billed, first determine the mileage using the V&H coordinates method, as set forth in the Exchange Carrier Association Tariff F.C.C. No. 4, and apply the rates. When the calculation results in a fraction of a mile, always round up to the next whole mile before applying the rates.

Exceptions to the mileage measurement rules are as follows:

- (A) Mileage for Lineside BSA and Feature Group A Switched Access Service will be calculated on an airline basis, using the V&H coordinates method, between the end office switch where the Lineside BSA and Feature Group A switching dial tone is provided. Mileage is then measured from the DTO to the end office where the call is terminated. This mileage measurement is usage sensitive.

SWITCHED ACCESS SERVICE

6.8 Rate Regulations (Cont'd)

6.8.10 Mileage Measurement (Cont'd)

- (B) Mileage measurement for CCSAS will be calculated on an airline basis, using the V&H coordinates method, between the serving wire center of the customer's SPOI and the Telephone Company's STP.
- (C) For Tandem Transport mileage, the direct trunked transport (DTT) mileage will be measured from the SWC to the tandem and the tandem or common mileage will be measured from the tandem to the end office or host office. The tandem or common mileage is usage sensitive. The DTT is rated monthly.
- (D) Mileage measurement to a remote switching module (RSM) is calculated on an airline basis using the V&H coordinates method, between the end office that serves as the host switch for the RSS and the customer's SWC for the Switched Access provided. This mileage is usage sensitive.
- (E) A serving wire center associated with a customer's designated premises used as a mileage measuring point may be either the wire center from which the customer would normally obtain dial tone or an alternate serving wire center as described in 6.4.3(B.) preceding.

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SWITCHED ACCESS SERVICE

6.8 Rate Regulations (Cont'd)

6.8.11 Shared Use High Capacity Services

Shared use occurs when Switched Access Service is provided over a High Capacity Special Access facility through a common interface. The regulations governing the provision of Shared Use Facilities are set forth in Section 7.4.7 following. Shared use of Switched Access facilities (i.e., Special Access Service provided over Switched Access facilities) is not allowed. (C)

SWITCHED ACCESS SERVICE

6.8 Rate Regulations (Cont'd)

(D)

(D)

6.8.12 Host/Remote

Direct Trunk Transport (DTT) may be ordered to a host switch. DTT rates will apply to the host switch.

Tandem transport may also be ordered to a host switch. The transport will be measured as tandem fixed and per mile/per MOU from the tandem to the host. Tandem switching will apply.

A nonrecurring Remote Translation charge will apply for those customer requests which require a unique routing arrangement. This charge will apply per Remote Trunk Group, per occurrence.

Requests for service at remote offices will be accepted where the necessary space and technical capabilities exist.

6.8.13 Shared Network Arrangement

Each customer entering into a Shared Network Arrangement is solely responsible to Verizon. for charges associated with that customer's portion of the shared network. Disconnection of service by the host subscriber does not relieve another user of the network of any obligation to pay access charges associated with the portion of the shared network to which that user subscribes. Billing for services and facilities will continue until a disconnect request from the service user has been received by Verizon. The host subscriber is solely responsible for notifying the connecting service user in the event of disconnection of the host service which affects that portion of the shared network service to which the user has subscribed.

SWITCHED ACCESS SERVICE

6.8 Rate Regulations (Cont'd)

6.8.13 Shared Network Arrangement (Cont'd)

For administrative purposes, one "Arrangement" under the Shared Network Arrangement offering shall be limited to the agreement between one Host Subscriber and one Service User permitting the Service User to connect a specified number of subtending circuits to one specified multiplexer on the Host's service. Agreements between one Host Subscriber and two (or three, etc.) Service Users shall be deemed to comprise two (or three, etc. respectively) separate "Arrangements". However, an agreement to expand the scope of an existing Arrangement by subsequently increasing the number of subtending facilities on the same multiplexed shall not constitute a new or separate "Arrangement".

A Shared Network Arrangement shall be established between a Host Subscriber and a Service User upon the completion of the service order for the first arrangement. No Shared Network Arrangement shall be deemed to be in effect until at least one subtending facility has been installed for the Service User. A Shared Network Arrangement shall be deemed cancelled when the last subtending facility has been disconnected.

A Processing charge will apply for handling each service order in a Shared Network Arrangement. The Processing Charge applies in addition to all other applicable rates and charges.

6.8.14 Facility Hubs

A customer has the option of ordering high capacity facilities (i.e., DS1 or DS3) to a facility Hub for distributing or channelizing to individual services requiring lower capacity facilities (e.g., Voice Grade or DS1).

When high capacity facilities are provided between a customer premises and a facility Hub, the facility will not be considered an end-to-end service until an associated channelized service is installed. The facility Hub will not be considered as a customer premises.

Different locations may be designated by the Telephone Company as Hubs for different facility capacities, e.g., multiplexing from DS3 to DS1 may occur at one location while multiplexing from DS1 to Voice Grade may occur at a different location. When ordering, the customer will specify the desired multiplexing Hub(s) selected from the National Exchange Carrier Association Tariff F.C.C. No. 4. This Tariff identifies the type(s) of multiplexing functions available and the serving wire centers at which they are available.

The types of multiplexing arrangements available include the following:

- from higher to lower bandwidth
- from high capacity to voice grade channels

SWITCHED ACCESS SERVICE

6.8 Rate Regulations (Cont'd)

6.8.14 Facility Hubs (Cont'd)

End to end services may be provided on channels of these facilities to a Hub. The transmission performance for the end to end service provided between customer designated premises will be that of the lower capacity or bit rate. For example, when a 1.544 Mbps facility is multiplexed to voice frequency channels, the transmission performance of the channelized services will be Voice Grade, not High Capacity.

The Telephone Company will commence billing the monthly rate for the facility to the Hub on the date specified by the customer on the service order. Additional individual services utilizing these facilities may be installed coincident with the installation of the facility to the Hub, or may be ordered and/or installed at a later date, at the option of the customer. The customer who orders the High Capacity Service must order all associated individual Access Channelized Services. The customer will be billed for a high capacity Entrance Facility, Direct Trunked Transport, Channel Mileage (when applicable), and the multiplexing arrangements at the time the facility is installed. Additional individual service rates (by service type) will apply for an Entrance Facility for additional Direct Trunked Transport (as required) for each subsequent channelized service. These will be billed to the customer as each individual service is installed.

In addition, Hubbing may be provided at an end office if all the circuits to be multiplexed are on an individual Direct Trunked facility and equipment is available.

6.8.15 Tandem Access Sectorization (TAS)

A. General

Tandem Access Sectorization is a service designed to meet the traffic routing requirements of customers whose traffic is routed through an access tandem. TAS is only available in connection with Trunkside BSA-950 Option and Feature Group B and Trunkside BSA-101XXXX Option and Feature Group D services from the tandems as specified in D. following. TAS is available to all customers. For customers with multiple POTS, TAS is a method of directing Trunkside BSA-101XXXX Option and Feature Group D traffic via an access tandem to a specified POT designated by the customer. Trunkside BSA-950 Option and Feature Group B customers with TAS will be able to identify the geographical area from which calls originate. TAS permits customers with multiple POTS within a LATA to balance the call volume within their respective networks. TAS may not be used in conjunction with the Optional Feature Alternate Traffic Routing specified in Section 6.4.1.

SWITCHED ACCESS SERVICE

6.8 Rate Regulations (Cont'd)

6.8.15 Tandem Access Sectorization (TAS)

B. Tandem Access Sectorization Area (TASA)

The tandem serving area will be subdivided into geographical areas called Tandem Access Sectorization Areas which will be defined by the Telephone Company. Each TASA must be treated as a unit and cannot be subdivided. The TASAs are standard for all customers who purchase TAS. A customer with multiple POTS within the LATA can designate to which POT all of the traffic from a specific TASA will be routed. The customer may also designate to which Trunk Group to a particular POT all of the traffic from a TASA will be routed. All of the tandem routed traffic from a TASA can only be delivered to one POT. TASAs are as listed following:

1. Baltimore LATA

Baltimore
Southern
Northeast
Westminster
Annapolis
Prince Frederick

2. Washington LATA

Maryland Suburban
Southern Maryland

SWITCHED ACCESS SERVICE

6.8 Rate Regulations (Cont'd)

6.8.15 Tandem Access Sectorization (TAS) (Cont'd)

C. End Offices

Calls originating from end offices within the TASA that are not routed over direct trunks to a customer POT can be routed via an access tandem over Trunkside BSA-950 Option, Trunkside BSA-101XXXX Option, Feature Group B or D originating trunk groups. If a customer had a direct trunk group to the end office, both direct and tandem routed traffic from that end office could be sent to the same POT or to a different POT as designated by the customer.

D. Access Tandems

Through the use of incoming trunk class screening in the access tandem, calls originating from a TASA can be identified with that TASA. In the case of a customer with one POT all tandem routed traffic from a TASA can be directed to a specific outgoing trunk group from the tandem to the POT as designated by the customer. A customer with multiple POTS can direct all originating calls from a TASA to a single POT. In addition, all originating traffic from a different TASA could be routed to the same POT or a different POT as designated by the customer. The access tandems for use with TAS are the Baltimore, Annapolis and Washington tandems.

6.8.16 WATS Toll Free NXX Multi-state LATAs

For customer ordering LATA wide WATS Toll Free NXX service in LATAs that cross state boundaries, a percentage of the total LATA charge will be billed for each jurisdiction as appropriate.

6.8.17 Competitive Pricing Arrangements

Competitive pricing arrangements for Switched Access Entrance Facilities and Direct Trunked Transport Service can be furnished to meet the communication needs of specific customers on a case by case basis under individual contracts. Contract rates will be priced above cost for the service and for which costs are on file with the Public Service Commission under proprietary agreement. The competitive pricing arrangement contracts, once executed, will be filed with the Public Service Commission under proprietary agreement.

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SWITCHED ACCESS SERVICE

6.9 Rates and Charges

6.9.1 Switched Transport

(A) Entrance Facilities

(1) Voice Grade		Nonrecurring Charges		Per	
		<u>First</u>	<u>Additional</u>	<u>Month</u>	<u>USOC</u>
-	per point of termination				
	Two-wire				
	- Non-price band	-	-	\$ 14.00	EFG2X
	- Price band**	-	-	28.70	EFG2X
	Four-wire				
	- Non-price band	-	-	26.02	EFG4X
	- Price band**	-	-	53.00	EFG4X
-	per point of termination				
	Two-wire				
	Installation/Change	\$ 1.00	\$1.00	-	EFG2X
	Rearrangement	.90	.60	-	NRBOY
	Four-wire				
	Installation/Change	1.00	.75	-	EFG4X
	Rearrangement	.90	.60	-	NRBOZ
(2) DS1*					
-	per point of termination.....	-	-	190.00	EFGDX
	Installation/Change	355.00	220.00	-	EFGDX
	Rearrangement	.90	.60	-	NRBOZ

* Term and Volume discount plans are available as described in F.C.C. Tariff No. 1, Section 25.1.4(D).

** Price band information may be found in F.C.C. Tariff No. 1, Section 14.7.

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6.9 Rates and Charges (Cont'd)

6.9.1 Switched Transport (Cont'd)

(A) Entrance Facilities

	Channel Termination Volume	Per Month	Non- Recurring Charge	USOC
(3) DS3*				
- per point of termination				
(a) Electrical Interface & Optical Interface				
	1	\$2,310.00	\$1.00	TYFAX
	2	2,100.00	\$1.00	TYFBX
	3	1,650.00	\$1.00	EF2CX
	4	1,550.00	\$1.00	EF2TX
	5	1,500.00	\$1.00	
	6	1,450.00	\$1.00	
	7	1,400.00	\$1.00	
	8	1,350.00	\$1.00	
	9	1,300.00	\$1.00	
	10	1,250.00	\$1.00	
	11	1,200.00	\$1.00	
	12	1,090.00	\$1.00	
	13	1,260.00	\$1.00	
	14	1,240.00	\$1.00	
	15	1,230.00	\$1.00	
	16	1,220.00	\$1.00	
	17	1,200.00	\$1.00	
	18	1,190.00	\$1.00	
	19	1,175.00	\$1.00	
	20	1,150.00	\$1.00	
	21	1,140.00	\$1.00	
	22	1,120.00	\$1.00	
	23	1,105.00	\$1.00	
	24	1,101.00	\$1.00	
	25 & Over	1,100.00	\$1.00	

*Term discounts plans are available as described in F.C.C.
Tariff No. 1, Section 25.1.4(D).

Certain material previously found on this page can now be found on 1st Revised
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6.9 Rates and Charges (Cont'd)

6.9.1 Switched Transport (Cont'd)

		Per Minute of Use		
(B)	Tandem Switched MOU's	Fixed	Per Mile	
Tandem Switching				
-	WATS Toll Free Data Base Access			(C)
	Service Originating	\$.001000		
-	Other Than WATS Toll Free Data Base			
	Access Service Originating	\$.001574		(C)
-	Terminating to			
	a Telephone Company end office	.000000		
-	Terminating to			
	a third party	\$.001574		
Tandem Transport				
-	Other Than WATS Toll Free Data Base			(C)
	Access Service Originating	\$.000000	\$.000002	(C)
-	Terminating to			
	a Telephone Company end office	\$.000000	\$.000000	
-	Terminating to			
	a third party	\$.000000	\$.000002	
		Per		
		Month	USOC	
Dedicated Tandem Trunk Port Charge				
-	per Trunk	\$12.50	PT8NX	
		Per Month		
(C)	Direct Trunked Transport	Fixed	Per Mile	USOC
(1)	Voice Grade			
-	Non-price band	\$ 16.93	\$ 3.00	1YTXS
				1YTES
-	Price band**	20.44	4.00	1YTES
(2)	DS1*	85.00	24.25	1YTXS
				1YTCS
(3)	DS3*			
-	Optical.....	950.00	185.00	1YTXS
				1YTDS
				1YTOS
-	Electrical	950.00	185.00	1YTXS
				1YTDS
				1YTOS

* Term and Volume discount plans are available as described in F.C.C. Tariff No.1, Section 25.1.4 (D).

** Price band information may be found in F.C.C. Tariff No. 1, Section 14.7.

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SWITCHED ACCESS SERVICE

6.9 Rates and Charges (Cont'd)

6.9.1 Switched Transport (Cont'd)

(D) Multiplexing*

		Nonrecurring Charge	Per Month		(M)
-	Entrance Facility, per arrangement				
	DS1 to Voice Grade	-	\$210.00	MKW1X	
	DS3 to DS1	\$1.00	900.00	MKW3X	
				MJW3X	
-	Direct Trunked Transport, per arrangement				
	DS1 to Voice Grade	-	210.00	MKW1X	
	DS3 to DS1	1.00	900.00	MKW3X	
				MJW3X	

		Nonrecurring Charge	Per Month		
(E)	Shared Network Arrangement				
-	Processing Charge per Service Order	\$40.00			
(F)	Switched Access Connection Charge				
-	per Line or Trunk	1.00	-	-	
(G)	Service Order Charge				
-	per Service Order	1.00	-	NRBOU	
(H)	Service Rearrangement Charge		50.00	NRBOK	
-	per Service Order				
(I)	Per Remote Trunk Group				
-	per occurrence	300.00	-		(M)

(J) Nonchargeable Optional Features

(1)	Supervisory Signaling		FID	
	DX Supervisory Signaling Arrangement, per transmission path*	NCI	++DX+	
	SF Supervisory Signaling Arrangement, per transmission path†	NCI	++SF+	

* Available with Interface Groups 1 and 2.

† Available with Interface Groups 2 and 6 through 10.

Certain material on this page formerly appeared on Original Page 130a.1.

(N)

SWITCHED ACCESS SERVICE

6.9 Rates and Charges (Cont'd)

6.9.1 Switched Transport (Cont'd)

(J) Nonchargeable Optional Features (Cont'd)

(1) Supervisory Signaling (Cont'd)	<u>FID</u>	
E&M Type I Supervisory Signaling Arrangement, per transmission path†	NCI	++DX+
E&M Type II Supervisory Signaling Arrangement, per transmission path*	NCI	++EB+
E&M Type III Supervisory Signaling, per transmission path†	NCI	++EC+
Tandem Supervisory Signaling, per transmission path#	NCI	++EX+
(2) Customer specification of the receive- transmission level at the first point of switching within a range acceptable to the Telephone Company, per transmission path**	TLV	
(3) Customer specification of local transport termination, four-wire termination in lieu of two-wire termination, per transmission path††	NC	S+T+

(K) Chargeable Optional Features

Alternate Serving Wire Center Per point of termination	Per Month	<u>USOC</u>
(1) DS1	\$ 25.00	A1VXZ
(2) DS3 (optical or electrical)	250.00	A1VXZ

(L) Dedicated Network Access Link (DNAL)

(1) Metallic DNAL	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>
(a) Channel Termination - Per point of termination	\$13.28	\$71.25

* Available with Interface Groups 1 and 2.

† Available with Interface Groups 1 and 2 for Trunkside BSA-MTS/WATS Option, Trunkside BSA-101XXXX Option, and FGD.

Available with Interface Group 2 for Lineside BSA and FGA.

** Available with Interface Groups 2 through 10 for Lineside BSA, Trunkside BSA-950 Option, FGA and FGB. The range of transmission levels which may be specified is described in Technical Reference TR-NPL-000334 and associated Revision 1.

†† Available with Feature Trunkside Option-950 Option Group B with type B Transmission Performance.

SWITCHED ACCESS SERVICE

6.9 Rates and Charges (Cont'd)

6.9.1 Switched Transport (Cont'd)

(L) Dedicated Network Access Link (DNAL) (Cont'd)

(1) Metallic DNAL (Cont'd)

Monthly Rates	
<u>Fixed</u>	<u>Per Mile</u>

(b) Channel Mileage	None	\$1.87
---------------------	------	--------

(2) Voice Grade DNAL

<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	<u>USOC</u>
--------------------------	---------------------------------	-------------

(a) Channel Termination

- Per point of termination		
Two-Wire	ICB	ICB
Four-Wire	ICB	ICB

Per Month	
<u>Fixed</u>	<u>Per Mile</u>

(b) Channel Mileage

0	ICB	ICB
Over 0 to 4	ICB	ICB
Over 4 to 8	ICB	ICB
Over 8 to 25	ICB	ICB
Over 25 to 50	ICB	ICB
Over 50	ICB	ICB

(c) Optional Features

<u>Nonrecurring Charges</u>	<u>Per Month</u>
---------------------------------	----------------------

(1) Conditioning

- Per point of termination

(A) C-Type	ICB	ICB
(B) Improved Attenuation Distortion	ICB	ICB
(C) Improved Envelope Delay Distortion	ICB	ICB

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SWITCHED ACCESS SERVICE

6.9 Rates and Charges (Cont'd)

6.9.1 Switched Transport (Cont'd)

(L) Dedicated Network Access Link (DNAL) (Cont'd)

(2) Voice Grade DNAL (Cont'd)

(c) Optional Features (Cont'd)

(2) Improved Return Loss for
Effective Two - Wire
Transmission or Improved
Termination for Four -
Wire Transmission

(A) Improved Return Loss
- Per point of
termination
- Two-Wire

Nonrecurring
Charges

Per
Month

USOC

ICB

ICB

(B) Improved Return Loss
- Per point of
termination
- Four-Wire

ICB

ICB

(3) Data Capability
- Per point of
termination

ICB

ICB

(M) Common Channel Signaling Access
Service

(1) STP access mileage, per mile

-

\$2.38

10XJX

(2) STP Port Termination, per port ...

\$932.58

PT8SX

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SWITCHED ACCESS SERVICE

6.9 Rates and Charges (Cont'd)

6.9.1 Switched Transport (Cont'd)

	<u>Nonrecurring Charge</u>	<u>Per Month</u>	<u>USOC</u>
(N) WATS Toll Free Data Base Access Service			
WATS Toll Free Data Base Access Service (available with Feature Group D and Trunkside BSA-101XXXX Option equipped with out-of-band signaling)			
Basic Query Charge			
Per Query	\$.0002 (R)	-	800DB
WATS Toll Free Data Base Vertical Feature Package (VFP) (available with Toll Free Data Base Basic Access Service) VFP Charge			
Per Query	.000000	-	800VP

6.9.2

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Cancels 8th Revised Page 135

SWITCHED ACCESS SERVICE

6.9 Rates and Charges (Cont'd)

6.9.3 End Office

(A) Local Switching

	<u>Per Month</u>	<u>Rates Per Access Minute</u>	
(1) Rates			
Feature Group A - Originating	None	\$.002406	
Lineside BSA - Originating		.002403	
Feature Group A - Terminating		.000000	
Lineside BSA - Terminating		.000000	
 Feature Group B - Originating		.002406	
Trunkside BSA-950 Option - Originating		.002403	
Feature Group B - Terminating		.000000	
Trunkside BSA-950 Option - Terminating		.000000	
 Feature Group D - WATS Toll Free Data Base Access Service - Originating		.000000	(S)
Feature Group D - Other than WATS Toll Free Data Base Access Service - Originating		.002406	
Trunkside BSA-101XXXX Option - WATS Toll Free Data Base Access Service - Originating.....		.000000	(S)
Trunkside BSA-101XXXX Option - Other Than WATS Toll Free Data Base Access Service - Originating		.002403	
Feature Group D - Terminating		.000000	
Trunkside BSA-101XXXX Option - Terminating.....		.000000	
 Dedicated Trunk Port - per Trunk	<u>Per Month</u> \$11.25#	<u>USOC</u> PT8VX	
 Shared End Office Trunk	<u>Rates Per Access Minute</u>		
WATS Toll Free Data Base Access Service - per originating minute of use	0.000000	(S)	
Other Than WATS Toll Free Data Base Access Service - per originating minute of use	0.001688		
- per terminating minute of use	0.000000		
Composite Terminating End Office Charge (CTEOC)	0.000000		

Rate will only apply to the portion associated with originating usage. (x)

(x) Reinstates material presently in effect.

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SWITCHED ACCESS SERVICE

6.9 Rates and Charges (Cont'd)

6.9.3 End Office (Cont'd)

(A) Local Switching (Cont'd)

(2) Common Switching Optional Features and BSEs

	<u>Rate</u>	<u>Non- recurring Charge</u>	<u>FID/USOC</u>
Call Denial on Line or Hunt Group (available with Lineside BSA and FGA) Per Transmission Path or Transmission Path Group	-	-	CAD
Service Code Denial on Line or Hunt Group (available with Lineside BSA and FGA) Per Transmission Path or Trans- mission Path Group	-	-	SCD
Hunt Group Arrangement (available with FGA) Per Transmission Path Group	-	-	HML/HTG
Hunting Service Arrangements BSE (available with Lineside BSA) Per Line, Per Month	\$0.11	\$35.50*	HSHPG

* This charge applies to subsequent activity only.

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SWITCHED ACCESS SERVICE

6.9 Rates and Charges (Cont'd)

6.9.3 End Office (Cont'd)

(A) Local Switching (Cont'd)

(2) Common Switching Optional Features and BSEs (Cont'd)

	<u>Rate</u>	<u>Non- recurring Charge</u>	<u>FID/USOC</u>
Hunting Service Arrangements: Circular BSE (available with Lineside BSA) Per Line, Per Month.....	\$0.11	35.50*	HSHCH
Hunting Service Arrangements: Preferred BSE (available with Lineside BSA) Per Line, Per Month.....	0.12	35.50*	HSHHP
Uniform Call Distribution Arrangement (available with FGA) Per Transmission Path Group...	-	-	HTY UD
Uniform Call Distribution BSE (available with Lineside BSA) Per Line, Per Month.....	1.30	54.00*	EH7PG
Nonhunting Number for use with Hunt Group Arrangement or Uniform Call Distribution Arrangement (available with FGA) Per Transmission Path.....	-	-	NHN
Non-Hunt Directory Numbers BSE (available with Lineside BSA) Per Line, Per Month.....	0.05	28.50*	HSGPN
Automatic Number Identification (available with FGB and FGD) Per Transmission Path Group..	-	-	ANI

* This charge applies to subsequent activity only.

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SWITCHED ACCESS SERVICE

6.9 Rates and Charges (Cont'd)

6.9.3 End Office (Cont'd)

(A) Local Switching (Cont'd)

(2) Common Switching Optional Features and BSEs (Cont'd)

	<u>Rate</u>	<u>Non-recurring Charge</u>	<u>FID/USOC</u>	
Automatic Number Identification BSE (available with Trunkside BSA-950 Option and Trunkside BSA-101XXXX Option)				
Per Call	\$0.0005	\$77.50*	ANI	(I)
Up to 7-digit Outpulsing of Access Digits to Customer (available with Trunkside BSA-950 Option and FGB)				
Per Transmission Path Group	-	-	USDO	
Revertive Pulse Address Signaling				
Per Transmission Path Group	-	-	ADS RP	
Calling Party Number (available with Trunkside BSA-101XXXX Option and FGD equipped with out-of-band signaling)				
Per End Office, Per Trunk Group †	-	-	CF3CP	
Charge Number (available with FGD equipped with out-of-band signaling)				
Per End Office, Per Trunk Group †	-	-	CF3CN	
Charge Number BSE (available with Trunkside BSA-101XXXX Option with out-of-band signaling)				
Per Call †	0.0005	-	CF3CN	(I)

* This charge applies to subsequent activity only.

† Available only on originating Trunkside BSA-101XXXX Option and FGD.

Available only at designated Telephone Company switches.

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6.9 Rates and Charges (Cont'd)

6.9.3 End Office (Cont'd)

(A) Local Switching (Cont'd)

(2) Common Switching Optional Features and BSEs (Cont'd)

	<u>Rate</u>	<u>Non-recurring Charge</u>	<u>FID/USOC</u>	
Carrier Selection Parameter (available with Trunkside BSA-101XXXX Option and FGD equipped with out-of-band signaling) Per End Office, Per Trunk Group †#	-	-	CF3CS	
Access Transport Parameter (available with Trunkside BSA-101XXXX Option and FGD equipped with out-of-band signaling) Per End Office, Per Trunk Group †#	-			
WATS Toll Free Data Base Access Service (available with Feature Group D and Trunkside BSA-101XXXX Option equipped with out-of-band signaling) Basic Query Charge Per Query	\$.004356	-	800DB	(I)
WATS Toll Free Data Base Vertical Feature Package (VFP) (available with WATS Toll Free Data Base Basic Access Service) VFP Charge Per Query	.001989	-	800VP	(I)

* This charge applies to subsequent activity only.

† Available only on originating Trunkside BSA-101XXXX Option and FGD.

Available only at designated Telephone Company switches.

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6.9 Rates and Charges (Cont'd)

6.9.3 End Office (Cont'd)

(A) Local Switching (Cont'd)

(2) Common Switching Optional Features and BSEs (Cont'd)

	<u>Rate</u>	<u>Non- recurring Charge</u>	<u>FID/USOC</u>
Delay Dial Start-Pulsing Signaling Per Transmission Path Group.....	None	None	DDSP
Immediate Dial Pulse Address Signaling Per Transmission Path Group.....			ADS IDP
Dial Pulse Address Signaling Per Transmission Path Group.....			ADS DP
Panel Call Indicator Address Signaling Per Transmission Path Group.....			ADS PCI
Service Class Routing (available with Trunkside BSA-101XXXX Option and FGD) Per Transmission Path Group.....			SCRT
Alternate Traffic Routing (available with FGB, FGC and FGD) Per Transmission Path Group.....			ARTG
Alternate Traffic Routing (available with Trunkside BSA- 101XXXX Option) Per Transmission Path Group.....	ICB	ICB	RALPG

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6.9 Rates and Charges (Cont'd)

6.9.3 End Office (Cont'd)

(A) Local Switching (Cont'd)

(2) Common Switching Optional Features and BSEs (Cont'd)

	<u>Rate</u>	<u>Non- recurring Charge</u>	<u>FID/USOC</u>
Trunk Access Limitation Arrangement (available with Trunkside BSA-101XXXX Option and FGD) Per End Office.....			CHOK
Call Gapping Arrangement (available with Trunkside BSA-101XXXX Option and FGD) Per End Office.....			CGAP
International Carrier Option (available with Trunkside BSA-101XXXX Option and FGD) Per End Office and Access Tandem.....	-	-	INCO
Band Advance Arrangement for use with WATS Access Lines (available with Option, Trunkside BSA-101XXXX Option and FGD) Per Arrangement.....	-	-	BAAD
End Office End User Line Service Screening for use with WATS Access Lines (available with Trunkside BSA-101XXXX Option and FGD)* Per Transmission Path.....	-	-	BAND

* This feature is required for an originating-only WATS Access line.

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6.9 Rates and Charges (Cont'd)

6.9.3 End Office (Cont'd)

(A) Local Switching (Cont'd)

(2) Common Switching Optional Features and BSEs (Cont'd)

	<u>Rate</u>	<u>Non- recurring Charge</u>	<u>FID/USOC</u>
Hunt Group Arrangement for use with WATS Access Lines (available with Trunkside BSA-101XXXX or 101XXXX Option and FGD) Per Transmission Path Group.....	-	-	HML/HTG
Uniform Call Distribution Arrangement for use with WATS Access Lines (available with Trunkside BSA-101XXXX or 101XXXX Option and FGD) Per Transmission Path Group.....	-	-	HTY UD
Nonhunting Number for use with Hunt Group Arrangement or Uniform Call Distribution Arrangement for use with WATS Access Lines (available with Trunkside BSA- MTS/WATS Option, Trunkside BSA-101XXXX FGC Option, FGC and FGD) Per Transmission Path.....			NHN
(a) Line Side Terminations (For Lineside BSA and FGA)			
Two-Way Operation			
Dial Pulse with Loop Start			NC +++A
Dial Pulse with Ground Start			NC +++E
DTMF with Loop Start			NC +++F
DTMF with Ground Start			NC +++G

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6.9 Rates and Charges (Cont'd)

6.9.3 End Office (Cont'd)

(A) Local Switching (Cont'd)

(2) Common Switching Optional Features and BSEs (Cont'd)

(a) (Cont'd)	<u>Rate</u>	Non-	<u>FID/USOC</u>
		recurring	
		<u>Charge</u>	
Answer Supervision With a Lineside Interface BSE (available with Lineside BSA) Per Line, Per Month	\$1.50	\$35.50	USW1X
Three-Way Call Transfer BSE (available with Lineside BSA) Per Line, Per Month	4.00	30.00	E03
Messaging Services Interface BSE (available with Lineside BSA) Per Line, Per Month	ICB	ICB	SME
Make Busy Arrangement BSE (available with Lineside BSA) Per Group, Per Month	4.25	47.00	DXV
Three-Way Calling BSE (available with Lineside BSA) Per Line, Per Month	ICB	ICB	ESC
Line Monitor Service BSE (available with Lineside BSA) Per Line, Per Month	ICB	ICB	CLQWW
Direct Inward Dialing Service BSE (available with Lineside BSA) Per 20 DID Number, Per Month	ICB	ICB	ABCD

SWITCHED ACCESS SERVICE

6.9 Rates and Charges (Cont'd)

6.9.3 End Office (Cont'd)

(A) Local Switching (Cont'd)

(2) Common Switching Optional Features and BSEs (Cont'd)

	<u>Rate</u>	<u>Non-recurring Charge</u>	<u>FID/USOC</u>
(a) (Cont'd)			
DID Trunk Queuing BSE (available with Lineside BSA)			
Per DID Number Equipped, Per Month	ICB	ICB	EFGH
Terminating Operation			
Dial Pulse with Loop Start			NC +++N
Dial Pulse with Ground Start			NC +++P
DTMF with Loop Start			NC +++R
DTMF with Ground Start			NC +++S
Originating Operation			
Loop Start			NC +++U
Ground Start			NC +++V
(b) Trunk Side Terminations (For Trunkside BSA-950 Option, Trunkside BSA-101XXXX Option, FGB and FGD)			
Standard Trunk for Originating, Terminating or Two- way Operation (available with Trunkside BSA-950 Option, Trunkside BSA-101XXXX Option, FGB and FGD)			TTC SO TTC ST TTC TY
Rotary Dial Station Signaling Trunk (available with Trunkside BSA-950 Option and FGB)			TTC RD

SWITCHED ACCESS SERVICE

6.9 Rates and Charges (Cont'd)

6.9.3 End Office (Cont'd)

(A) Local Switching (Cont'd)

(2) Common Switching Optional Features and BSEs (Cont'd)

	Rate	Non-recurring Charge	FID/USOC
(b) (Cont'd)			
Operator Trunk, Coin, Noncoin or Combined Coin and Noncoin			TTC CO
Operator Trunk, Full Feature Arrangement (available with Trunkside BSA-101XXXX Option and FGD)			TTC FF

(B) Line Terminations

(1) WATS Access Line Terminations
Nonchargeable Options

(a) Line Side Terminations:		FID
Originating-only Loop Start, Line Side Connection, with DTMF Address Signaling, per transmission path		NC +++R
Originating-only Loop Start, Line Side Connection, with Dial Pulse Address Signaling, per transmission path		NC +++N
Originating-only Ground Start, Line Side Connection, with DTMF Address Signaling, per transmission path		NC +++S
Originating-only Ground Start, Line Side Connection, with Dial Pulse Address Signaling, per transmission path		NC +++P

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SWITCHED ACCESS SERVICE

6.9 Rates and Charges (Cont'd)

6.9.3 End Office (Cont'd)

(B) Line Terminations (Cont'd)

(1) WATS Access Line Terminations
Nonchargeable Options (Cont'd)

(a) Line Side Terminations: (Cont'd)	<u>FID</u>
Terminating-only Loop Start, Line Side Connection, per transmission path	NC +++U
Terminating-only Ground Start, Line Side Connection, per transmission path	NC +++V
Terminating-only Trunk Side Connection for Forwarding of Dialed Number Identification to End User Per Transmission Path	NC +++T

6.9.4 Local Business Line Rates for Resold Service

The local business line rates that apply for arrangements provided as set forth in 6.8.3 preceding are the same as the Local Business Exchange Service rates generally applicable to local business customers, as set forth in the Local Exchange Services Tariff of the Telephone Company.

6.9.5 WATS Access Line Optional Feature

(A) Two-wire/Four-wire	<u>USOC</u>
WATS Access Line	
Two-wire Line	X2W
Four-wire Line	X4W
(B) Improved Two-wire Voice Transmission	<u>FID</u>
Specifications for Two-wire WATS	
Access Line	NC SF++

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SWITCHED ACCESS SERVICE

6.9 Rates and Charges (Cont'd)

6.9.6 Message Unit Credit, per originating access minute..... \$.002000 (R)

Per
Month USOC

6.9.7 Tandem Access Sectorization

(A) Per Trunk \$1.00 TJN

(B) Nonrecurring Charges Nonrecurring
Charge

Initial, per customer, per tandem \$5896.65

Subsequent, per point of termination 920.74

6.9.8 Reserved..... (C)

6.9.9 Reserved.....

(C)