

Issued: December 16, 2022

FACILITIES FOR INTERSTATE ACCESS

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Title Pages 1 to 3 and Pages 1 to 24-10 inclusive, of this tariff are effective as of the date shown. Original and revised pages as named below and Supplement Nos. 1, 2, 5, 6, 7, 8, and 10 contain all changes from the original tariff that are in effect on the date shown.

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11	3rd	43	5th	2-20	Original	2-50.10	6th
12	4th	44	6th	2-21	1st	2-50.11	1st
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5-254.7	5th	5-267	9th	6-8.6	8th	6-53	6th
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5-254.14	2nd	5-274	3rd	6-15	8th	6-55	Original
5-254.15	3rd	5-275	2nd	6-16	1st	6-56	Original
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5-254.17	5th	5-277	5th	6-18	1st	6-57.1	73rd*
5-254.18	3rd	5-278	5th	6-19	1st	6-58	76th
5-254.19	3rd	5-279	2nd	6-20	2nd	6-59	34th
5-254.20	3rd	5-280	2nd	6-21	1st	6-60	34th
5-254.21	3rd	5-281	3rd	6-22	3rd	6-61	34th
5-254.22	5th	5-282	5th	6-23	5th	6-62	66th
5-254.23	3rd	5-283	3rd	6-24	4th	6-63	58th
5-254.24	3rd	5-284	9th	6-24.1	2nd	6-64	66th
5-254.25	4th	5-285	Original	6-25	Original	6-65	35th
5-254.26	4th	5-286	Original	6-26	2nd*	6-66	4th
5-254.27	4th			6-27	1st*	6-67	2nd
5-254.28	4th			6-28	1st*	6-68	2nd
5-254.29	2nd			6-29	Original	6-69	Original
				6-30	1st		
				6-31	Original		
				6-32	5th		
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FACILITIES FOR INTERSTATE ACCESS

4. SWITCHED ACCESS (Cont'd)4.2 Description of Switched Access (Cont'd)4.2.5 End Office Services Optional Arrangements

The following optional arrangements are available in offices where equipment, facilities, and other conditions permit. The Telephone Company makes no guarantee that these optional arrangements will be available in all locations.

Unless otherwise noted, these End Office Services Optional Arrangements are nonchargeable.

(A) Alternate Traffic Routing

This option provides the capability of directing originating traffic from an end office (or appropriately equipped Telephone Company access tandem) via a trunk group (the "high usage" group) to a CDL until that group is fully loaded, and then delivering additional originating traffic (the "overflowing" traffic) from the same end office or Telephone Company access tandem to a different trunk group or groups (via one or more intermediate high usage groups) to one or more CDLs until the originating traffic is directed to a final group. The customer shall specify the last trunk CCS desired for the high usage group and each intermediate group.

When a FGD, 500 SAC, or 900 SAC customer subscribes to Tandem Switch Signaling and Alternate Traffic Routing the customer may have a maximum of one route to which the traffic can overflow.

This option is provided in suitably equipped end offices or Telephone Company access tandems and is available with FGB and FGD.

This option is available with BSA-B and BSA-D as a chargeable BSE as specified in 4.2.22 and 4.5.10.

(D)

(D)

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FACILITIES FOR INTERSTATE ACCESS

4. SWITCHED ACCESS (Cont'd)4.2 Description of Switched Access (Cont'd)4.2.5 End Office Services Optional Arrangements(B) Automatic Number Identification (ANI) Arrangement

This option provides the automatic transmission of a seven or ten digit number and information digit to the CDL for calls originating in the Access Area to identify the calling station. The ANI arrangement will be associated with all individual transmission paths in a trunk group when this arrangement is provided.

These information digits shall only be used for billing and collection, routing, screening, and completion of the originating subscriber's call or transaction or for service directly related to the originating subscriber's call or transaction.

The ANI provided shall not be reused or resold without first notifying the originating telephone subscriber and obtaining affirmative consent of the subscriber for reuse or resale.

Unless the originating subscriber has given consent for the reuse or resale, any information provided shall not be used for any purpose other than:

- performing the services or transactions that are subject of the originating subscriber's call;
- ensuring network performance security, and the effectiveness of call delivery;
- compiling, using and disclosing aggregate information; and,
- complying with applicable laws.

The above restrictions shall not prevent the subscriber to the ANI Arrangement from using information acquired from an ANI Arrangement, such as the telephone number or information derived from analysis of the characteristics of calls received through the ANI Arrangement, to offer a product or service that is directly related to the products or services previously purchased by a customer of the ANI Arrangement subscriber.

The seven digit ANI telephone number is available with FGB. It will be transmitted on all calls except those identified as ANI failure. The ten digit ANI telephone number is only available with FGD. When FGD with SS7 Out of Band Signaling is specified, the customer may order an ANI equivalent by ordering the Charge Number optional feature as described in 4.2.5(AB). 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). The ANI telephone number is the listed telephone number of the end user that originates the call.

(D)

(D)
|
(D)

Where ANI cannot be provided, information digits will be provided to the customer. The information digits are used in the following situations:

- (1) Telephone number is the station billing number - no special treatment is required.

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4. SWITCHED ACCESS (Cont'd)4.2 Description of Switched Access (Cont'd)4.2.5 End Office Services Optional Arrangements(B) Automatic Number Identification (ANI) Arrangement (Cont'd)

- (2) ANI failure has occurred in the end office switch which prevents identification of calling telephone number - number must be obtained by operator or in some other manner.
- (3) The configuration of the line requires special screening or handling by the customer, or
- (4) Call is an Automatic Identified Outward Dialed (AIOD) call from end user terminal equipment.

These ANI information digits are available with FGB and FGD only. In addition, the following information digits are available with FGD only: (D)

- (a) InterLATA Area restricted - telephone number is identified line.
- (b) InterLATA Area restricted - line requires special screening or handling by the customer.

These information digits will be transmitted as agreed to by the customer and the Telephone Company.

The ANI Arrangement is available with BSA-B and BSA-D as a chargeable BSE as specified in 4.2.22 and 4.5.10. (D)

(C) Intra Access Area Call Denial on Line or Hunt Group

This option allows for the screening of terminating FGA and BSA-A calls. The following screening arrangements are available with this option:

- (1) Screening of terminating calls for completion to only 411, 611, 911, 555-1212 all valid NXXs associated with the end offices within the LATA, i.e., the call cannot be further switched or routed out of the LATA.
- (2) Screening of terminating calls within the FGA or BSA-A Access Area for completion to only 411, 611, 911, Toll Free, 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.

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4. SWITCHED ACCESS (Cont'd)4.2 Description of Switched Access (Cont'd)4.2.5 End Office Services Optional Arrangements (Cont'd)(J) Nonhunting Number for Use with Hunt Group Arrangement

This option provides an arrangement for an individual line within a multiline hunt group that provides access to that line within the hunt group when it is idle or provides busy tone when it is busy, when the nonhunting number is dialed. Where available, this arrangement is provided with originating use for FGA, BSA-A or terminating use for Special Access Lines.

(K) Nonhunting Number for Use with Uniform Call Distribution Arrangement

This option provides an arrangement for a uniform call distribution multiline hunt group that provides access to an individual line within the hunt group when it is idle or provides busy tone when it is busy, when the nonhunting number is dialed. Where available, this arrangement is provided with originating use for FGA, BSA-A, or terminating use for Special Access Lines. It can only be provided from suitably equipped stored program controlled switches.

(L) Operator Assistance Full Feature Arrangement

This option, which is available only on a direct trunking arrangement, provides the initial coin return control function to the customer's operator. It is available with FGD or BSA-D. Rates and charges will be developed on an Individual Case Basis. This option is unavailable in conjunction with SS7 Out of Band Signaling.

(M) Rotary Dial Station Signaling

This option provides for the transmission of called party address signaling from rotary dial stations to the CDL, for originating calls. It is available with FGB or BSA-B where conditions permit.

(N) Service Class Routing

This option provides the capability of directing originating traffic from an end office to a CDL, based on the service prefix code (e.g., 0+ or 01+) or service class code (e.g., 500, 600, 700, Toll Free, or 900). It is provided in suitably equipped end office or Telephone Company access tandem and is available with FGD and BSA-D. Originating 500-NXX-XXXX calls are routed in accordance with the 500 Customer Identification Function as described in 4.2.20. Originating Toll Free-NXX-XXXX calls are routed in accordance with the Toll Free Customer Identification Function as described in 4.2.11. (D)

(O) Service Code Denial on Line or Hunt Group

This option allows for the screening of terminating calls within the Access Area and for disallowing completion of calls to 0- and N11 (e.g., 411, 611 and 911). Where available this arrangement is provided in Telephone Company end offices. It is available with FGA or BSA-A and can only be provided from suitably equipped stored program controlled switches.

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4. SWITCHED ACCESS (Cont'd)4.2 Description of Switched Access (Cont'd)4.2.5 End Office Services Optional Arrangements (Cont'd)(P) Trunk Access Limitation

This option, where available, provides for the routing of originating 900 or 900 like Service calls to a specified number of transmission paths in a trunk group, in order to limit (choke) the completion of such traffic to a 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 available with FGD and BSA-D.

(D)

(Q) Uniform Call Distribution Arrangement

This option provides a type of multiline hunting arrangement which provides for an even distribution of calls among the available lines in a hunt group. Where available, this arrangement is provided with originating use for FGA and terminating use for Special Access Lines.

Uniform Call Distribution is available with BSA-A as a chargeable BSE as specified in 4.2.22 and 4.5.10.

(R) Up to 7 Digit Outpulsing of Access Digits to the Customer

This option provides for the end office capability of providing up to 7 digits of the access code to the CDL. 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 CDL using multifrequency signaling, and transmission of the digits would precede the forwarding of ANI if that arrangement was provided. It is available with FGB and BSA-B in suitably equipped end offices.

(S) Band Advance Arrangement

This arrangement is available for Special Access Lines used with a Switching Interface. This option, which is provided in association with two or more groups, provides for the automatic overflow of terminating calls from a line group, that has exceeded its call capacity, to another line group with equal or a greater number of bands than that of the overflowing line group. This arrangement does not provide for call overflow from a group with a higher designation to one with a lower band designation.

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FACILITIES FOR INTERSTATE ACCESS

4. SWITCHED ACCESS (Cont'd)4.2 Description of Switched Access (Cont'd)4.2.5 End Office Services Optional Arrangements (Cont'd)(V) Switched Access Interface# (Cont'd)(1) Originating Only Feature

The Originating Only feature is available from appropriately equipped WATS Serving Offices on a per line basis and provides for the transporting of interstate calls from a special access line to the customer via either FGA, FGB, FGD, BSA-A, BSA-B, or BSA-D switched access. It is provided in the following two arrangements:

(D)

(a) Restricted Geographic Screening Arrangement - Originating Only

This arrangement provides the ability to screen a dialed number by NPA and/or NXX on the basis of a geographical band which is in accordance with an end user's service agreement with the customer. The geographical bands available are those in effect as of the effective date of this tariff provision. The customer must provide the Telephone Company with the band information required for each Special Access line subscribed to this service.

This arrangement is provided when used exclusively for interstate traffic (excluding international). This arrangement is not available for Multi-jurisdictional traffic (combined interstate and intrastate) as set forth in 4.2.5(V)(1)(b) following.

This arrangement is available from appropriately equipped WATS Serving Offices in conjunction with FGD and BSA-D and provides for:

(D)

- the transporting of all interstate 1+NPA/NXX-XXXX and 1+FNPA-555-1212 calls to Directory Numbers that are associated with a customer selected geographic band to the customer;
- the blocking of all 1+NPA-NXX-XXXX and 1+FNPA-NXX-XXXX calls directed to Directory Numbers that do not lie within the geographic band selected by the customer;
- the blocking of all 1+500-NXX-XXXX, 0+500-NXX-XXXX, 1+700-NXX-XXXX, 1+Toll Free-NXX-XXXX, and 1+900-NXX-XXXX calls;
- the blocking of all 0+NPA-NXX-XXXX calls;
- the transporting of all calls originated by dialing 0 (zero) to the Telephone Company operator;
- the transporting of all calls originated by dialing 00 (Zero, Zero) to the IC customer (available only with FGD and BSA-D);

Service availability limited. Refer to # footnote on Page 19-12.

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FACILITIES FOR INTERSTATE ACCESS

4. SWITCHED ACCESS (Cont'd)4.2 Description of Switched Access (Cont'd)4.2.5 End Office Services Optional Arrangements (Cont'd)(V) Switched Access Interface# (Cont'd)(1) Originating Only Feature (Cont'd)(a) Restricted Geographic Screening Arrangement - Originating Only (Cont'd)

- the blocking of all international calls preceded by the access codes 01 and 011; and
- the blocking of all calls preceded by the access code 101XXXX.

(b) Unrestricted Arrangement - Originating Only

This arrangement is a multi-jurisdictional offering provided from a Telephone Company appropriately equipped WATS Serving Office and provides for the transporting of interstate and intrastate calls from a Special Access Line to the customer via FGA, FGB, FGD, BSA-A, BSA-B, or BSA-D Switched Access. FGA or BSA-A access is obtained from a WATS Serving Office by dialing a standard seven digit number*. FGB or BSA-B access is obtained from a WATS Serving Office by dialing 950-XXXX or 1+950-XXXX. The combining of interstate and intrastate traffic will be in accordance with 4.2.5(V)(5) following. This arrangement provides for transporting the following types of calls:

(D)

- 1+NPA-NXX-XXXX, 1+700-NXX-XXXX, and 1+FNPA-555-1212 calls to the IC customer or via facilities of the Telephone Company where state restrictions exist as detailed in 4.2.5(V)(5) following;
- 1+Toll Free-NXX-XXXX calls to the carrier in accordance with the Toll Free Customer Identification Function described in 4.2.11;
- 1+900-NXX-XXXX calls to the carrier designated by the digits dialed;

*Fifteen (15) WATS Serving Offices (WSO) are not technically capable of providing originating or combined originating/terminating WATS Access Lines in connection with FGA or BSA-A. Should an ASR be received requesting service at such a location, the Telephone Company will file a Petition for Waiver to offer a free WATS Access Line Extension to a WSO which can provide the service.

Service availability limited. Refer to # footnote on Page 19-12.

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FACILITIES FOR INTERSTATE ACCESS

4. SWITCHED ACCESS (Cont'd)4.2 Description of Switched Access (Cont'd)4.2.5 End Office Services Optional Arrangements (Cont'd)(V) Switched Access Interface# (Cont'd)(1) Originating Only Feature (Cont'd)(b) Unrestricted Arrangement - Originating Only (Cont'd)

- 1+500-NXX-XXXX or 0+500-NXX-XXXX calls to the carrier in accordance with the 500 Customer Identification Function described in 4.2.20;
- 0+NPA-NXX-XXXX calls to the IC customer or via facilities of the Telephone Company where state restrictions exist as detailed in 4.2.5(V)(5) following;
- calls originated by dialing 0 (zero) to the Telephone Company operator;
- calls originated by dialing 00 (Zero, Zero) to the IC customer (available only with FGD);
- calls originated by dialing 01 or 011 to the IC customer; and
- 1+ or 0 (zero)+ NPA-NXX-XXXX calls preceded by the access code 101XXXX to the carrier designated by the dialed digits (available only with FGD or BSA-D).

Optional Access Code Arrangement

Subject to technical availability, on an individual line basis, calls preceded by the access code 101XXXX will be blocked.

(2) Toll Free Type Terminating Only Feature

The Toll Free Type Terminating Only feature is available on a per-line basis from appropriately equipped WATS Serving Offices and provides for the termination of all calls from the subscribing carrier (originated on a 1+Toll Free basis) directed to the Special Access via FGA, FGB, FGD, BSA-A, BSA-B, or BSA-D Switched Access. This option is not available with Tandem Switch Signaling

(D)

(3) Combined Originating Toll Free Type Terminating Calling Feature

The Combined Originating/Terminating Calling feature is available on a per-line basis from appropriately equipped WATS Serving Offices and provides the functionalities of both the Originating Only and the Toll Free Type Terminating Only features. This option is not available with Tandem Switch Signaling.

Service availability limited. Refer to # footnote on Page 19-12.

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FACILITIES FOR INTERSTATE ACCESS

4. SWITCHED ACCESS (Cont'd)4.2 Description of Switched Access (Cont'd)4.2.11 Toll Free Customer Identification Function

This function utilizes Toll Free Data Base Query Service, as described in 4.2.19, to screen all ten digits of all Toll Free-NXX-XXXX type calls generated by end users to determine the customer to which the Toll Free call is to be routed. This function is provided in conjunction with Toll Free SAC Access Service. This function is not available with Tandem Switch Signaling.

4.2.12 900 Customer Identification Function

This function provides for screening of the first six digits of all 900-NXX-XXXX type calls generated by end users to determine the customer to which the call is to be routed. This function is provided in conjunction with 900 SAC Access Service and with FGD and BSA-D. This function is available with Tandem Switch Signaling. (D)

4.2.13 Design and Routing of Switched Access

The Telephone Company shall work cooperatively with the customer to design and determine the routing and directionality of Switched Access including the selection of facilities from the first point of switching to the CDL. Selection of facilities, equipment and routing of the Switched Access is based on standard engineering methods, facilities and equipment available, Telephone Company traffic routing plans, and the customer's order for service.

4.2.14 Provision of Switched Access Performance Data

Performance data for Switched Access will be made available to the customer based on Telephone Company established intervals and availability. This data may include, but is not limited to, equipment blockage and failure results, ineffective attempt performance, transmission failures, and other service-related data. Any request for data or format that is not Telephone Company Standard will be handled on an Individual Case Basis with any associated cost to be borne by the customer. Performance data related to customer provided facilities will not be provided.

4.2.15 Transmission Performance

Each Switched Access transmission path is provided with a standard transmission performance. The standard for a particular path is dependent on the Interface Arrangement and whether the Switched Access is routed direct or via a Telephone Company access tandem. In addition, Data Transmission Parameters may be ordered by the customer. The transmission performance parameters are set forth in Section 7000 of the GTE Technical Interface Reference Manual. The transmission performance parameters relate only to the Telephone Company provided portion of the service.

The transmission specifications and diversity requirements for CCS7 Access service are as described in Technical Reference GR-905-CORE, Issue 11*.

* GR-905-CORE, Issue 11, replaces TR-TSV-000905 in its entirety.

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FACILITIES FOR INTERSTATE ACCESS

4. SWITCHED ACCESS (Cont'd)4.2 Description of Switched Access (Cont'd)4.2.16 Design Blocking Probability

The Telephone Company will design the facilities used in the provision of Switched Access to meet the blocking probability criteria as follows:

- (A) For FGA or BSA-A no design blocking criteria apply.
- (B) For FGB, BSA-B, and SAC Access Service, the design blocking objective will be one percent (.01) between the CDL and the first point of switching as in reference document GTE Telephone Companies - Traffic Grade of Service Standards. 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. (D)
- (C) For FGD or BSA-D the design blocking objective will be one percent (.01) between the CDL and the end office switch as in reference document GTE Telephone Companies - Traffic Grade of Service Standards. 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.
- (D) When FGB, FGD, BSA-B, BSA-D, or SAC Access Service is ordered in trunks, the Telephone Company cannot guarantee these design blocking probabilities. The Telephone Company will perform routine measurement functions, except on FGA or BSA-A, to assure that an adequate number of transmission paths are in service. The Telephone Company will recommend that additional capacity (BHMC or quantities of 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. (D)

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FACILITIES FOR INTERSTATE ACCESS

4. SWITCHED ACCESS (Cont'd)4.2 Description of Switched Access (Cont'd)4.2.16 Design Blocking Probability

(D) (Cont'd)

- (1) For FGB and BSA-B transmission paths carrying traffic between a CDL and the first point of switching, or for FGD and BSA-D transmission paths carrying traffic direct between a CDL and an end office, the measured blocking thresholds are as follows: (D)

<u>Number of Transmission Paths Per Trunk Group</u>	<u>Measured Blocking Thresholds in the Daily Busiest Hour for the Number of Measurements Per Trunk Group</u>			
	<u>15-20</u>	<u>11-14</u>	<u>7-10</u>	<u>5-6</u>
	<u>Measurements</u>	<u>Measurements</u>	<u>Measurements</u>	<u>Measurements</u>
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 FGD and BSA-D transmission paths carrying traffic between a CDL and an end office via an access tandem, the measured blocking thresholds are as follows:

<u>Number of Transmission Paths Per Trunk Group</u>	<u>Measured Blocking Thresholds in the Daily Busiest Hour for the Number of Measurements Per Trunk Group</u>			
	<u>15-20</u>	<u>11-14</u>	<u>7-10</u>	<u>5-6</u>
	<u>Measurements</u>	<u>Measurements</u>	<u>Measurements</u>	<u>Measurements</u>
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

4.2.17 Special Facilities Routing

A customer may request that the facilities used to provide Switched Access be specially routed. The regulations, rates and charges for Special Facilities Routing (i.e., Avoidance, Diversity and Cable-Only) are in Section 9.

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FACILITIES FOR INTERSTATE ACCESS

4. SWITCHED ACCESS (Cont'd)

4.2 Description of Switched Access (Cont'd)

4.2.20 500 Customer Identification Function

This function provides for screening of the first six digits of all 500-NXX-XXXX type calls generated by end users to determine the customer to which the call is to be routed. This function is provided in conjunction with 500 SAC Access Service and with FGD. This function is available with Tandem Switch Signaling

(D)

4.2.21 Tandem Switch Signaling

Tandem Switch Signaling, offered in conjunction with FGD Switched Access, 500 SAC Access, or 900 SAC Access Service with either multifrequency address signaling or SS7 Out of Band Signaling Access Service, provides the Carrier Identification Code (CIC) and the OZZ code or circuit code as described in 4.2.5 (AC) to determine the customer and trunk group(s) where traffic will be routed.

Rate regulations applicable to Tandem Switch Signaling are found in 4.5.2 (H)(7).

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FACILITIES FOR INTERSTATE ACCESS

4. SWITCHED ACCESS (Cont'd)4.3 Obligations of the Customer (Cont'd)4.3.3 Jurisdictional Report Requirements (Cont'd)(A) Jurisdictional Reports (Cont'd)(1) Percent Interstate Usage (PIU) (Cont'd)

(b) (Cont'd)

- Feature Group A (FGA) Switched Access Service Notes 1, 2
- Feature Group B (FGB) Switched Access Service Notes 1, 2
- Feature Group D (FGD) Switched Access Service Notes 1, 2
- Basic Serving Arrangement A (BSA-A) Notes 1, 2, 3
- Basic Serving Arrangement B (BSA-B) Notes 1, 2, 3
- Basic Serving Arrangement D (BSA-D) Notes 1, 2, 3
- 500 Access Services Notes 1, 2
- 700 Access Services Notes 1, 2
- Toll Free Services Notes 1, 2
- 900 Access Services Notes 1, 2

(D)

(D)

When a customer submits an order for Switched Access services, the customer must state the Percentage of Interstate Usage (PIU) on a statewide, LATA, billing account number (BAN) or end office level.

When the customer provides PIU factors, the Company will subtract the developed PIU from 100 and the difference is the percent intrastate usage. The sum of the interstate and intrastate percentages will equal 100 percent. The customer may only provide a PIU factor that is a whole number (a number from 0 to 100).

NOTE 1: The PIU factors will apply to all associated elements and services, e.g., Carrier Common Line, End Office Switching, Information Surcharge, Interconnection Charge, End Office Dedicated Trunk Port, Access Tandem Dedicated Trunk Port, Shared Trunk Port and, if applicable, Tandem Switched Transport and Tandem Switching.

NOTE 2: The PIU factor for Switched Access services must be provided by the customer of record when used in conjunction with Switched EIS as described in Section 17 or used in conjunction with Tandem Switch Signaling.

NOTE 3: When determining the jurisdiction of Switched Access traffic provided via a BSA or Basic Service Element (BSE) and the intrastate equivalent of the BSA or BSE is only available on a bundled feature group basis, intrastate usage will be prorated to the bundled intrastate feature group equivalent of the BSA.

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FACILITIES FOR INTERSTATE ACCESS

4. SWITCHED ACCESS (Cont'd)

4.3 Obligations of the Customer (Cont'd)

4.3.3 Jurisdictional Report Requirements (Cont'd)

(A) Jurisdictional Reports (Cont'd)

(1) Percent Interstate Usage (PIU) (Cont'd)

- (c) For purposes of developing the projected interstate percentage for Feature Group D (or BSA-D), the customer shall consider every call that originates from a calling party in one state and terminates to a called party in a different state to be interstate communications. The customer shall consider every call that terminates to a called party within the same state as the state where the calling party is located to be intrastate communications. The manner in which a call is routed through the telecommunications network does not affect the jurisdiction of a call, i.e., a call between two points within the same state is an intrastate call even if it is routed through another state. (D)

For Feature Group A (or BSA-A) and Feature B (or BSA-B), pursuant to Federal Communications Commission order FCC 85-145 adopted April 16, 1985, interstate usage is to be developed as though every call that enters a customer network at a point within the same state as that in which the called station is situated is an intrastate communication and every call that enters a customer's network at a point in a state other than that where the called station is situated is an interstate communication.

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FACILITIES FOR INTERSTATE ACCESS

4. SWITCHED ACCESS (Cont'd)4.5 Rate and Charge Regulations (Cont'd)4.5.2 Rate Regulations (Cont'd)(C) Network Blocking Charge for Tandem Switched FGB, FGD, BSA-B, BSA-D and SAC Access Service

(D)

The customer will be notified by the Telephone Company to increase its capacity when excessive trunk group blocking occurs on groups carrying FGB, FGD, BSA-B, BSA-D or SAC Access Service traffic and the measured access minutes for the Daily Busiest Hour exceed the capacity purchased. Excessive trunk group blocking occurs when the blocking thresholds stated below are exceeded. They are predicated on Daily Busiest Hour measurements for four contiguous weeks using the five highest traffic days of the week, excluding national holidays. The Telephone Company will not bill the customer a Network Blocking Charge if an ASR for additional capacity is received by the Telephone Company within 15 days of the notification. If an ASR is not received within 15 days of notification the rate in 4.6.1(D), will apply when (1) the Daily Busiest Hour average blocking for the four contiguous weeks exceeds the threshold level and (2) the average originating or two-way usage measured for these same hours exceeds the Switched Access capacity purchased.

(D)

Blocking Thresholds

<u>Trunks in Service</u>	<u>1%</u>	<u>1/2%</u>
1-2	.070	.045
3-4	.050	.035
5-6	.040	.025
7-or more	.030	.020

The one percent blocking threshold is for FGB, BSA-B, and SAC Access Service transmission paths carrying traffic between a CDL and the first point of switching, or FGD and BSA-D transmission paths carrying traffic direct between a CDL and an end office. The one-half percent blocking threshold is for FGD and BSA-D transmission paths carrying traffic between a CDL and an end office via an access tandem.

(D)

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FACILITIES FOR INTERSTATE ACCESS

4. SWITCHED ACCESS (Cont'd)4.5 Rate and Charge Regulations (Cont'd)4.5.2 Rate Regulations (Cont'd)(I) Measuring Access Minutes

Customer traffic to end offices will be measured (i.e., recorded or assumed) by the Telephone Company at end offices or Telephone Company access tandems. 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 FGA, FGB, BSA-A, BSA-B, and FGD and BSA-D, the measured access minutes are the chargeable access minutes. For originating calls over FGA, FGB, BSA-A and BSA-B the measured access minutes are the chargeable access minutes. (D)

(D)
(D)

FGA or BSA-A access minutes, or fractions thereof, 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. FGB, FGD, BSA-B, and BSA-D access minutes or fractions thereof, are accumulated over the billing period for each office, and are then rounded up to the nearest access minute for each end office. The exact value of the fraction is a function of the switch technology where the measurement is made. (D)
(D)

When measurement capability for FGA, FGB, BSA-A and BSA-B is not available, access minutes shall be assumed as described in (3).

When usage data is required for a specific end office in an Access Area with multiple end offices, and usage to that office cannot be measured, a portion of total usage will be allocated to the specific end office based upon the portion of subscriber lines served by that end office. When the Telephone Company is the SEC and when specific usage is not available from the PEC, the total usage measured or assumed at the FPOS will be apportioned to the SEC based upon the ratio of the total subscriber lines in each SEC exchange to the total number of subscriber lines in the PEC's EAS area served by the dial tone office for FGA or for BSA-A.

(1) FGA and BSA-A Usage Measurement

For originating calls over FGA or BSA-A, usage measurement begins when the FGA or BSA-A first point of switching receives an off-hook supervisory signal forwarded from the CDL. Where FGA or BSA-A is used for MTS/WATS-type service, this off-hook signal is generally provided by the customer's equipment. Where FGA or BSA-A is used for FCO/ONAL-type services, the off-hook signal is generally forwarded by the customer's equipment when the called party answers.

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

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

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FACILITIES FOR INTERSTATE ACCESS

4. SWITCHED ACCESS (Cont'd)

4.5 Rate and Charge Regulations (Cont'd)

4.5.2 Rate Regulations (Cont'd)

(I) Measuring Access Minutes (Cont'd)

(4) Reserved for Future Use

(C)

(D)

(D)

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FACILITIES FOR INTERSTATE ACCESS

4. SWITCHED ACCESS (Cont'd)

4.5 Rate and Charge Regulations (Cont'd)

4.5.2 Rate Regulations (Cont'd)

(I) Measuring Access Minutes (Cont'd)

(D)

(D)

(5) FGD and BSA-D Usage Measurement

For originating calls over FGD or BSA-D with multifrequency (MF) signaling, usage measurement begins when the FGD or BSA-D first point of switching receives the first wink supervisory signal forwarded from the CDL.

For originating calls over FGD or BSA-D with SS7 Out of Band Signaling, usage measurement for direct trunks begins when the FGD or BSA-D first point of switching sends an Initial Address Message. Usage measurement for tandem trunks begins when the FGD or BSA-D first point of switching receives an Exit Message.

The measurement of originating call usage over FGD or BSA-D with MF signaling ends when the FGD or BSA-D first point of switching receives disconnect supervision from either the end office switch, indicating the originating end user has disconnected, or the CDL, whichever is recognized first by the first point of switching.

The measurement of originating call usage over FGD or BSA-D with SS7 Out of Band Signaling ends when a Release Message is sent or received by the originating end user's end office, whichever occurs first.

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FACILITIES FOR INTERSTATE ACCESS

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.1 Nonrecurring Charges (Cont'd)

(D) Network Blocking Charge

Applies to FGB, FGD, BSA-B, BSA-D and SAC Access Service Per Call

(D)

Jurisdiction

Pennsylvania .014

Virginia .017

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FACILITIES FOR INTERSTATE ACCESS

6. MISCELLANEOUS SERVICES (Cont'd)6.6 Additional Testing (Cont'd)(A) Switched Access Testing

Testing for Switched Access is comprised of (a) tests which are performed during the installation of Switched Access (i.e., acceptance tests) and (b) tests which are performed after acceptance of such Switched Access by a customer (i.e., in-service tests).

These tests are performed on a scheduled or nonscheduled basis, and may be conducted on an automatic, cooperative, or manual basis, as defined in (1), (2), (3), (4), (5) following.

(1) Additional Cooperative Acceptance Testing
(USOC – UBCXT; UBCOT; UBCPT)

Additional Cooperative Acceptance Testing (ACAT) of Switched Access involves the Telephone Company provision of a technician at its office(s) and the customer provision of a technician at it CDL, with suitable test equipment to perform the required test.

Additional Cooperative Acceptance Testing may apply when the customer requests additional tests not specified in 4.2.7. The labor charges as set forth in 6.2(G) will apply to Additional Cooperative Acceptance Testing at the Appropriate Basic, Overtime, or Premium rate.

(2) Automatic Scheduled Testing (USOC – UBGXT)

Automatic Scheduled Testing (AST) of FGB, FGD, BSA-B, BSA-D and SAC Access Service, is provided, as specified in 4.2.1 and 4.2.2 and 4.2.2, where the customer providers or their functional equivalent. AST charges will apply when such testing is requested on more frequent basis than is provided for in accordance with the Telephone Company's Central Office Maintenance Planning System (COMPS). The customer may specify a more frequent schedule of tests at least sixty days prior to the start of the prescribed schedule. Trunks from a Telephone Company digital switch, to a customer digital switch, utilizing digital facilities, are excluded from mandatory routine testing. The rates, as set forth in 6.6(C)(1), will apply to additional AST. (D)

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FACILITIES FOR INTERSTATE ACCESS

6. MISCELLANEOUS SERVICES (Cont'd)6.6 Additional Testing (Cont'd)(A) Switched Access Testing(2) Automatic Scheduled Testing (Cont'd)

The Telephone Company will provide a monthly AST report that lists the trunks within each Central Office access group that failed to meet established requirements. Trunk test failures requiring customer participation for trouble resolution will be provided to the customer on an as-occurs basis. A monthly report that lists the test results will be provided to the customer.

(3) Additional Cooperative Scheduled Testing (USOC - UBSXT; UBSXD)

Additional Cooperative Scheduled Testing (ACST) of FGA, FGB, FGD, BSA-A, BSA-B, BSA-D, and SAC Access Service occurs when the Telephone Company provides a technician at its office(s) and the customer provides a technician at its customer designated location, with suitable test equipment to perform the required tests. ACST charges will apply when loss/noise/balance testing or gain-slope testing is requested on a more frequent basis than is provided for in accordance with the Telephone Company's Central Office Maintenance Planning System (COMPS). ACST charges also apply when additional tests are requested for FGA, FGB, FGD, BSA-A, BSA-B, BSA-D, and SAC Access Service that are not specified in 4.2.1 and 4.2.2, respectively. The customer may specify a more frequent schedule of tests sixty days prior to the start of the prescribed schedule. The rates, as set forth in 6.6(C)(2), will apply for additional ACST. (D)

The Telephone Company will provide, on a quarterly basis, an ACST report that lists the test results and the number of trunks that passed or failed. Trunk test failures requiring customer participation for trouble resolution will be provided to the customer on an as-occurs basis. (D)

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FACILITIES FOR INTERSTATE ACCESS

6. MISCELLANEOUS SERVICES (Cont'd)6.6 Additional Testing (Cont'd)(A) Switched Access Testing (Cont'd)(4) Additional Manual Scheduled Testing (USOC - UBMXT; UBMXD)

Additional Manual Scheduled Testing (AMST) of FGA, FGB, FGD, BSA-A, BSA-B, BSA-D or SAC Access Service occurs when the Telephone Company provides a technician at its office(s) and at the customer designated location. AMST charges will apply when loss/noise/balance testing or gain-slope testing is requested on a more frequent basis than is provided for in accordance with the Telephone Company's Central Office Maintenance Planning System (COMPS). AMST charges also apply when additional tests are requested for FGA, FGB, FGD, BSA-A, BSA-B, BSA-D, or SAC Access Service that are not specified in 4.2.1 and 4.2.2, respectively. The customer may specify a more frequent schedule of tests sixty days prior to the start of the prescribed schedule. The rates as set forth in 6.6(C)(3) following will apply to additional AMST. (D)

The Telephone Company will provide, on a quarterly basis, an AMST report that lists the test results and the number of trunks that passed or failed. Trunk test failures requiring customer participation for trouble resolution will be provided to the customer on an as-occurs basis.

(5) Nonscheduled Testing

Nonscheduled Testing (NST) will be performed "on demand" which results in the measurement of Switched Access. NST charges will apply only when testing is requested more frequently than is provided for in accordance with COMPS, or when a specific test is requested that is not normally performed. Tests for Switched Access which are normally performed are contained in 4.2.1 and 4.2.2. Nonscheduled Testing (NST) of Switched Access may consist of the following testing arrangements:

- the customer provides remote office test lines and 105 test lines with associated responders or their functional equivalent (automatic testing), or (USOC - USCXT)
- the Telephone Company provides a technician at its office(s) and the customer provides a technician at its customer designated location with suitable test equipment to perform the required tests (cooperative testing), or (USOC - USSXT; USSOT; USSPT)
- the Telephone Company provides a technician at its office(s), and at the customer designated location or end user premises with suitable test equipment to perform the required tests (manual testing). (USOC - USMXT; USMOT; USMPT)

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FACILITIES FOR INTERSTATE ACCESS

6. MISCELLANEOUS SERVICES (Cont'd)6.18 Federal Universal Service Fund Surcharge

The Federal Universal Service Fund (FUSF) Surcharge recovers the Telephone Company's contributions to the Universal Service Support Mechanisms. Customers may certify exemption from FUSF Surcharges at the ACNA level or at the BAN level. Certification at the ACNA level will exempt all BANs under that ACNA. Certification at the BAN level will exempt only the specified BANs. FUSF Surcharge exemption certification can be completed and submitted on the Telephone Company's web site at:

<https://www.verizon.com/business/verizonpartnersolutions/resources/doing-business/fusf-surcharge-exemption/>. (T)

(A) Application of FUSF Surcharge to Special Access Services

An FUSF Surcharge will be assessed to customers who order Special Access Services from this tariff. The FUSF Surcharge will be determined by multiplying an FUSF Surcharge factor of .326 by the customer's interstate Special Access service monthly charges. (I)

(B) Application of FUSF Surcharge to Other Incidental Charges

The FUSF Surcharge will also be assessed to customers on Other Incidental Charges. Customers who participate in the Lifeline Assistance Program are not exempt from this Surcharge. The FUSF Surcharge will be determined by multiplying an FUSF Surcharge factor of .326 by the following Other Incidental Charges: (I)

- Nonrecurring Charge for Changing Primary Interexchange Carrier as specified in 6.5(M) preceding; and/or
- Presubscribed Interexchange Carrier Charge as specified in Section 12.4.5(B) following.

(C) Application of FUSF Surcharge to End User FIA Common Line Charges

Customers assessed an End User FIA Common Line charge specified in Section 13.11 following will be assessed a flat-rated, monthly FUSF Surcharge as specified in Section 6.18(D) following. The FUSF Surcharge will be billed to the associated end user or reseller of the local exchange services, with the exception of those customers who participate in the Lifeline Assistance program.

(D) Application of FUSF Surcharge to Enterprise Infrastructure Solutions

The FUSF Surcharge factor of .326 will be applied to certain Enterprise Infrastructure Solutions services as specified in Section 11.8.1(A) following. (I)

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FACILITIES FOR INTERSTATE ACCESS

6. MISCELLANEOUS SERVICES (Cont'd)6.18 Federal Universal Service Fund Surcharge (Cont'd)

(E) FUSF Surcharge (Cont'd)

Jurisdiction: PennsylvaniaFUSF Surcharge

Primary Residential Line	\$ 2.80	(l)
Non-Primary Residential Line	2.96	(l)
Business Single Line	2.80	(l)
Per ISDN BRI Arrangement	4.78	(l)
Per ISDN PRI Arrangement	32.85	(l)
Multi-Line Business - Other	5.65	(l)
Multi-Line Business - Payphone	3.98	(l)
PBX Trunks with 9 LNPs (includes DCS Services)	5.65	(l)

Centranet Individual Business Centrex Service, each

<u># Lines</u>	<u>Rate Per Line, Per Month</u>	
1	\$4.74	(l)
2	2.37	
3	1.58	
4	1.18	
5	0.95	
6	0.79	
7	0.68	
8	0.59	
9 lines and over (per line)	0.53	(l)

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FACILITIES FOR INTERSTATE ACCESS

6. MISCELLANEOUS SERVICES (Cont'd)6.18 Federal Universal Service Fund Charge (Cont'd)

(E) FUSF Surcharge (Cont'd)

Jurisdiction: VirginiaFUSF Surcharge

Primary Residential Line	\$ 2.12	(l)
Non-Primary Residential Line	2.28	(l)
Business Single Line	2.80	(l)
Per ISDN BRI Arrangement	4.35	(l)
Per ISDN PRI Arrangement	25.59	(l)
Multi-Line Business - Other	4.40	(l)
Multi-Line Business - Payphone	3.98	(l)
PBX Trunks with 9 LNPs (includes DCS Services)	4.40	(l)
Centranet		
First 1-9 lines (Flat Rate)	3.69	(l)
10 lines and over (per line)	0.41	(l)

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