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**COMPETITIVE ACCESS SERVICES TARIFF**

**COMPETITIVE INTERSTATE ACCESS SERVICES TARIFF**

REGULATIONS, TERMS, CONDITIONS, RATES AND CHARGES

APPLICABLE TO THE PROVISION OF

INTERSTATE ACCESS SERVICES

PROVIDED BY

**QWEST COMMUNICATIONS COMPANY, LLC d/b/a CENTURYLINK QCC**

(C)

Whether offered under the name, or the trade or brand name CenturyLink

(C)

(Filed under Transmittal No. 18.)

Issued: May 18, 2012

Effective: May 21, 2012

ISSUED BY Mark Brinton  
Manager – Public Policy  
1801 California Street, 9<sup>th</sup> Floor  
Denver, CO 80202

**COMPETITIVE ACCESS SERVICES TARIFF****CHECK SHEET**

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(Filed under Transmittal No. 18.)

Issued: May 18, 2012

Effective: May 21, 2012

ISSUED BY Mark Brinton  
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\* New or Revised Page.

(Filed under Transmittal No. 18.)

Issued: May 18, 2012

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ISSUED BY Mark Brinton  
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(Filed under Transmittal No. 18.)

Issued: May 18, 2012

Effective: May 21, 2012

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(Filed under Transmittal No. 18.)

Issued: May 18, 2012

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**COMPETITIVE ACCESS SERVICES TARIFF****EXPLANATION OF ABBREVIATIONS (Cont'd)**

Mbps	- Megabits per second	
MOU	- Minutes of Use	
MRC	- Monthly Recurring Charge	
MUX	- Multiplexing	
NA	- Not Applicable	
NANP	- North American Numbering Plan	
No.	- Number	
NPA	- Numbering Plan Area	
NRC	- Nonrecurring Charge	
NXX	- Three-Digit Central Office Code	
PIU	- Percent Interstate Use	
POT	- Point of Termination	
PSTN	- Public Switched Telephone Network	(N)
PVU	- Percent VoIP Usage	(N)
QCC	- Qwest Communications Company, LLC	
RESP ORG	- Responsible Organization	
SCP	- Service Control Point	
SMS/800	- Service Management System/800	
SSP	- Service Switching Point	
SS7	- Signaling System 7	
SWC	- Serving Wire Center	
TIM	- Tariff Information Management	
TST	- Tandem-Switched Transport	
TT	- Tandem Transmission	
V	- Vertical	
VG	- Voice Grade	
V & H	- Vertical & Horizontal	
VoIP	- Voice over Internet Protocol	(N)

(Filed under Transmittal No. 18.)

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(Filed under Transmittal No. 18.)

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**2. GENERAL REGULATIONS**

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(Filed under Transmittal No. 18.)

Issued: May 18, 2012

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**2. GENERAL REGULATIONS**

**2.1 UNDERTAKING OF THE COMPANY (Cont'd)**

**2.1.14 FEDERAL UNIVERSAL SERVICE FUND (USF)**

The Federal Universal Service Fund Charge is assessed monthly to end user customers who obtain services from this Tariff to recover contributions for the Universal Service Support Mechanisms. Telecommunications carriers or telecommunications providers that obtain services from this Tariff and do not establish that they contribute directly to support universal service are treated as end user customers and assessed this charge. Telecommunications carriers or telecommunications providers that obtain services from this Tariff to provision telecommunications and establish that they contribute directly to support universal service are excluded from this charge, as are Lifeline customers.

- General Factor, Per Account 17.4%

(N)  
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(Filed under Transmittal No. 18.)

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**2. GENERAL REGULATIONS****2.3 OBLIGATIONS OF THE CUSTOMER****2.3.9 JURISDICTIONAL REPORT REQUIREMENTS (Cont'd)****F. Identification and Rating of VoIP-PSTN Traffic**

VoIP-PSTN Traffic is defined as traffic exchanged between a Company end user and the customer in Time Division Multiplexing (TDM) format that originates and/or terminates in Internet Protocol (IP) format. This section governs the identification of VoIP-PSTN Traffic that is required to be compensated at interstate access rates unless the parties have agreed otherwise by the F.C.C. in its Report and Order in WC Dockets Nos. 10-90, etc., F.C.C. Release No. 11-161 (November 18, 2011) (F.C.C. Order). Specifically, this section establishes the method of separating VoIP-PSTN Traffic from the customer's traditional intrastate access traffic, so that VoIP-PSTN Traffic can be billed in accordance with the F.C.C. Order.

VoIP-PSTN Traffic identified in accordance with this tariff section will be billed at rates equal to the Company's applicable tariffed interstate switched access rates as set forth in Section 6, following.

**1. Calculation and Application of Percent-VoIP- Usage Factors**

- a. The Company will determine the number of VoIP-PSTN Traffic minutes of use (MOU) to which interstate rates will be applied under B, preceding, by applying an originating Percent VoIP Usage (PVU) factor to the total intrastate access MOU originated by a Company end user and delivered to the customer and by applying a terminating PVU factor to the total intrastate access MOU terminated by a customer to the Company's end user.
- b. The customer will calculate and furnish to the Company an originating PVU factor representing the whole number percentage of the customer's total originating intrastate access MOU that the customer exchanges with the Company in the LATA that is received from the Company and that is terminated in IP format and that would be billed by the Company as intrastate access MOU.
- c. The customer will calculate and furnish to the Company a terminating PVU factor representing the whole number percentage of the customer's total terminating intrastate access MOU that the customer exchanges with the Company in the LATA that is sent to Company and which originated in IP format and that would be billed by the Company as intrastate access MOU.
- d. The customer shall not modify their reported PIU factor to account for VoIP-PSTN Traffic.

(Filed under Transmittal No. 18.)

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**2. GENERAL REGULATIONS**

**2.3 OBLIGATIONS OF THE CUSTOMER**

**2.3.9 JURISDICTIONAL REPORT REQUIREMENTS**

**F. Identification and Rating of VoIP-PSTN Traffic**

**1. Calculation and Application of Percent-VoIP- Usage Factors (Cont'd)**

- e. Both the customer provided originating PVU and the terminating PVU shall be based on information such as the number of the customer's retail VoIP subscriptions in the state (e.g. as reported on F.C.C. Form 477), traffic studies, actual call detail or other relevant and verifiable information which will be provided to the Company upon request.
- f. The customer shall retain the call detail, work papers, and information used to develop the PVU factors for a minimum of one year.
- g. If the Customer does not furnish the Company with a PVU factor, the Company will utilize a PVU equal to zero.

(N)

**2. Initial Implementation of PVU Factors**

- a. If the PVU factors cannot be implemented in the Company's billing systems by December 29, 2011, once the factors can be implemented the Company will adjust the customer's bills to reflect the PVU factors prospectively in the next bill period if the PVU factors are provided by the customer to the Company prior to April 15, 2012.
- b. The Company may choose to provide credits based on the reported PVU factors on a quarterly basis until such time as the billing system modifications can be implemented.

**3. PVU Factor Updates**

The customer may update the PVU factors quarterly using the method set forth in 1.c, preceding. If the customer chooses to submit such updates, it shall forward to the Company, no later than 15 days after the first day of January, April, July and/or October of each year, revised PVU factors based on data for the prior three months, ending the last day of December, March, June and September, respectively. The revised PVU factors will serve as the basis for future billing and will be effective on the bill date of each such month and shall serve as the basis for subsequent monthly billing until superseded by new PVU factors. No prorating or back billing will be done based on the updated PVU factors.

(N)

(Filed under Transmittal No. 18.)

Issued: May 18, 2012

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**2. GENERAL REGULATIONS**

**2.3 OBLIGATIONS OF THE CUSTOMER**

**2.3.9 JURISDICTIONAL REPORT REQUIREMENTS**

F. Identification and Rating of VoIP-PSTN Traffic (Cont'd)

4. PVU Factor Verification

- a. Not more than twice in any year, the Company may request from the customer an overview of the process used to determine the PVU factors, the call detail records, description of the method for determining how the end user originates and terminates calls in IP format, and other information used to determine the customer's PVU factors furnished to the Company in order to validate the PVU factors supplied. The customer shall comply, and shall reasonably supply the requested data and information within 15 days of the Company's request.
- b. The Company may dispute the Customer's PVU factor based upon:
  - A review of the requested data and information provided by the customer,
  - The Company's reasonable review of other market information, F.C.C. reports on VoIP lines, such as F.C.C. Form 477 or state level results based on the F.C.C. Local Competition Report or other relevant data.
  - A change in the reported PVU factor by more than five percentage points from the preceding quarter.
- c. If after review of the data and information, the customer and the Company establishes revised PVU factors, the Company will begin using those revised PVU factors with the next bill period.

(N)

(N)

(Filed under Transmittal No. 18.)

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**2. GENERAL REGULATIONS**

**2.3 OBLIGATIONS OF THE CUSTOMER**

**2.3.9 JURISDICTIONAL REPORT REQUIREMENTS**

**F. Identification and Rating of VoIP-PSTN Traffic**

**4. PVU Factor Verification (Cont'd)**

- d. If the dispute is unresolved, the Company may initiate an audit. The Company shall limit audits of the customer's PVU factor to no more than twice per year. The customer may request that the audit be conducted by an independent auditor. In such cases the associated auditing expenses will be paid by the customer.
  - In the event that the customer fails to provide adequate records to enable the Company or an independent auditor to conduct an audit verifying the customer's PVU factors, the Company will bill the usage for all contested periods using the most recent undisputed PVU factors reported by the customer. These PVU factors will remain in effect until the audit can be completed.
  - During the audit, the most recent undisputed PVU factors from the previous reporting period will be used by the Company.
  - The Company will adjust the customer's PVU factors based on the results of the audit and implement the revised PVU in the next billing period or quarterly report date, whichever is first. The revised PVU factors will apply for the next two quarters before new factors can be submitted by the customer.
  - If the audit supports the customer's PVU factors, the usage for the contested periods will be adjusted to reflect the customer's audited PVU factors.

(N)

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(Filed under Transmittal No. 18.)

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**2. GENERAL REGULATIONS**

**2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES**

**2.4.8 ORDERING, RATING AND BILLING OF ACCESS SERVICES WHERE MORE THAN ONE COMPANY IS INVOLVED (Cont'd)**

- A. When jointly provisioned Access Service is provided between the Company and a Third Party Carrier, the appropriate Tandem-Switched Transport (TST) Switched Access recurring rates will be applied. When jointly provisioned Access Service is provided between the Company and a LEC Tandem, the appropriate Tandem Transmission and End Office rate elements will be applied.

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For Switched Access Service, the recurring rates will be applied as follows: 1) multiply the Tandem Transmission fixed rate by the minutes of use (MOU) by the billing percentage (BP), 2) multiply the Tandem Transmission per-mile rate by the number of miles, by the MOU, by the BP, and 3) all other appropriate Switched Access recurring rate elements at 100 percent, if applicable.

(C)  
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The tandem owner (Company/LEC) will access the Tandem Switching rate.

- B. When jointly provisioned Access Service is provided between the Company and a Third Party Carrier, the appropriate nonrecurring charges shall apply, however the BP is not applied to nonrecurring charges.

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**2. GENERAL REGULATIONS**

**2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES**

**2.4.8 ORDERING, RATING AND BILLING OF ACCESS SERVICES WHERE MORE THAN ONE COMPANY IS INVOLVED**

C. Example 1 - Switched Access provisioned by Direct-Trunked Transport and Tandem-Switched Transport (TST) (Cont'd)

1. Layout

- a. Feature Group D Switched Access is ordered to a Third Party Carrier end office via DTT and TST.
- b. The premises of the ordering customer, the serving wire center (SWC) of that premises, and the access tandem are associated with the Company.
- c. The customer orders a DS3 Entrance Facility from the customer's premises to the SWC with a 3/1 MUX in the SWC.
- d. The customer orders a DS1 DTT to the AT.
- e. The BP for Tandem Transmission is 57 for the Company. (C)
- f. The end office is associated with the Third Party Carrier
- g. The BP for Tandem Transmission is 43 for the Third Party Carrier.

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**2. GENERAL REGULATIONS**

**2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES**

**2.4.8 ORDERING, RATING AND BILLING OF ACCESS SERVICES WHERE MORE THAN ONE COMPANY IS INVOLVED**

D. Example 2 - Switched Access provisioned by Direct-Trunked Transport and Tandem-Switched Transport via a LEC Tandem (Cont'd)

2. Rate elements assessed per Telephone Company

a. Company Rate Elements

- Tandem Switching -MOU rate X MOU
- Common Transport MUX -MOU rate X MOU
- Tandem Transmission -Fixed rate X MOU X 0.45
- Tandem Transmission -Per-mile rate X number of miles X MOU X 0.45

(D)

b. LEC Rate Elements

- Entrance Facility -100% of DS3 monthly Entrance Facility rate
- MUX -100% of monthly 3/1 MUX rate
- DS1 DTT -100% of DS1 monthly DTT rate
- ATTP -100% of ATTP rate
- Tandem Switching -MOU rate X MOU
- Common Transport MUX -MOU rate X MOU
- Tandem Transmission -Fixed rate X MOU X 0.20
- Tandem Transmission -Per-mile rate X number of miles X MOU X 0.20

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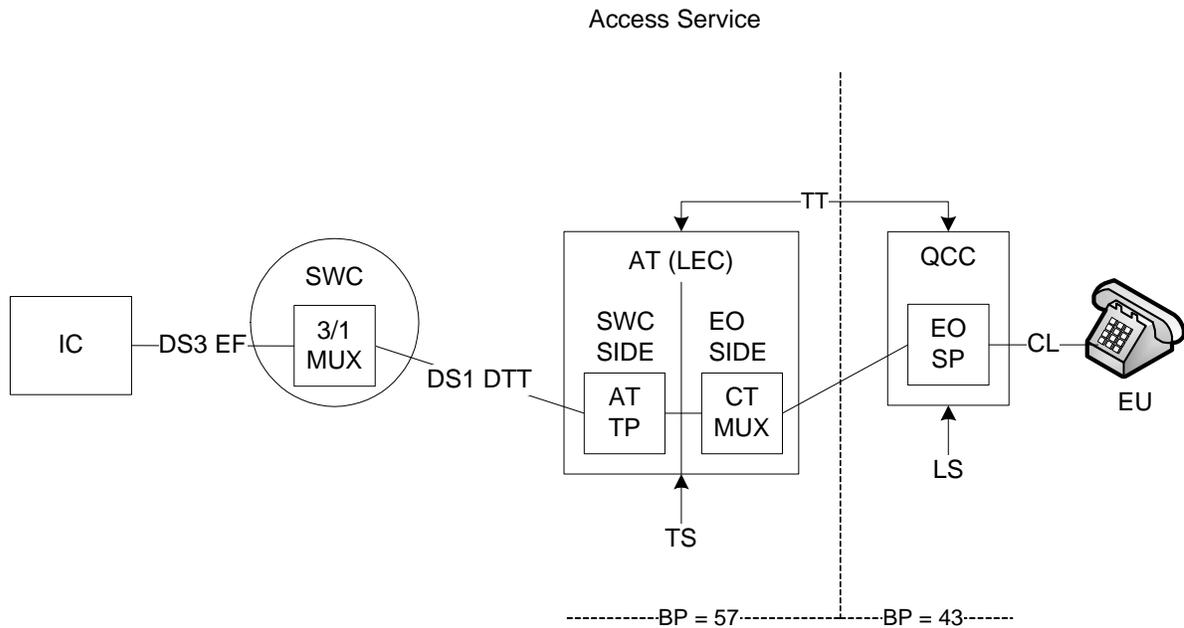
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**2. GENERAL REGULATIONS**

**2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES**

**2.4.8 ORDERING, RATING AND BILLING OF ACCESS SERVICES WHERE MORE THAN ONE COMPANY IS INVOLVED (Cont'd)**

E. Example 3 - Switched Access provisioned by LEC Tandem Routing



- AT – Access Tandem
- ATTP – Access Tandem Trunk Port
- BP – Billing Percentage
- CL – Common Line
- CT MUX – Common Transport Multiplexer
- DTT – Direct Trunked Transport
- EF – Entrance Facility
- EO SP – End Office Shared Port
- EU – End User
- IC – Interexchange Carrier
- LEC – Local Exchange Carrier
- MUX – Multiplexer
- SWC – Serving Wire Center
- TS – Tandem Switching
- TT – Tandem Transmission

(Filed under Transmittal No. 18.)

Issued: May 18, 2012

Effective: May 21, 2012

ISSUED BY Mark Brinton  
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(N)

(N)

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**COMPETITIVE ACCESS SERVICES TARIFF**

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**2. GENERAL REGULATIONS**

**2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES**

**2.4.8 ORDERING, RATING AND BILLING OF ACCESS SERVICES WHERE MORE THAN ONE COMPANY IS INVOLVED**

E. Example 3 - Switched Access provisioned by LEC Tandem Routing (Cont'd)

1. Layout

- a. Feature Group D Switched Access is ordered to a Company end office via LEC Tandem Routing.
- b. The premises of the ordering customer and the serving wire center (SWC) of that premises, and the access tandem are associated with the LEC.
- c. The customer orders a DS3 Entrance Facility from the customer's premises to the SWC with a 3/1 MUX in the SWC.
- d. The customer orders a DS1 DTT to the AT.
- e. The BP for TT is 57 for the LEC.
- f. The end office is associated with the Company.
- g. The BP for Tandem Transmission is 43 for the Company.

(N)

(N)

(Filed under Transmittal No. 18.)

Issued: May 18, 2012

Effective: May 21, 2012

ISSUED BY Mark Brinton  
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**2. GENERAL REGULATIONS**

**2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES**

**2.4.8 ORDERING, RATING AND BILLING OF ACCESS SERVICES WHERE MORE THAN ONE COMPANY IS INVOLVED**

E. Example 3 - Switched Access provisioned by LEC Tandem Routing (Cont'd)

2. Rate elements assessed per telephone company

a. LEC

- Entrance Facility -100% of DS3 monthly Entrance Facility rate
- MUX -100% of monthly 3/1 MUX rate
- DS1 DTT -100% of DS1 monthly DTT rate
- ATTP -100% of ATTP monthly rate
- Tandem Switching -MOU rate X MOU
- Common Transport MUX -MOU rate X MOU
- Tandem Transmission -Fixed rate X MOU X 0.57
- Tandem Transmission -Per-mile rate X number of miles X MOU X 0.57

b. Company

- Tandem Transmission -Fixed rate X MOU X 0.43
- Tandem Transmission -Per-mile rate X number of miles X MOU X 0.43
- Local Switching -MOU rate X MOU
- End Office Shared Port -MOU rate X MOU
- Common Line -MOU rate X MOU

(N)

(N)

(Filed under Transmittal No. 18.)

Issued: May 18, 2012

Effective: May 21, 2012

ISSUED BY Mark Brinton  
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**2. GENERAL REGULATIONS**

**2.6 DEFINITIONS (Cont'd)**

End Office Switch

Denotes a local Company switching system where Telephone Exchange Service customer station loops are terminated for purposes of interconnection to trunks.

End User (EU)

Denotes any customer of an intrastate telecommunications service that is not a carrier shall be deemed to be an "end user" when such carrier (other than the Company) uses a telecommunications service for administrative purposes. A person or entity other than an IC that offers telecommunications services exclusively as a reseller shall be deemed to be an "end user" if all resale transmissions offered by such reseller originate or terminate on the premises of such reseller.

(C)  
—  
(C)

Entrance Facility (EF)

Denotes the dedicated transport facility from the customer's premises or point of demarcation to the SWC for Switched Access Service.

Entry Switch

See "First Point of Switching".

Exchange

Denotes a unit generally smaller than a Local Access and Transport Area, established for the administration of communications service in a specified area which usually embraces a city, town, or village and its environs. It consists of one or more central offices together with the associated facilities used in furnishing communications service within that area. The exchange may include any Extended Area Service (EAS) area that is an enlargement of a Company's exchange area to include nearby exchanges. One or more designated exchanges comprise a given Local Access and Transport Area.

Exit Message (EXM)

Denotes a SS7 message sent to an end office by the Company's tandem switch to mark the carrier connect time when the Company's tandem switch sends an Initial Address Message to the IC.

(Filed under Transmittal No. 18.)

Issued: May 18, 2012

Effective: May 21, 2012

ISSUED BY Mark Brinton  
Manager – Public Policy  
1801 California Street, 9<sup>th</sup> Floor  
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**2. GENERAL REGULATIONS**

**2.6 DEFINITIONS (Cont'd)**

Signaling

Denotes the process of passing information, identifying the called subscriber or addressee and for supervising and controlling the connection once it has been established.

Signaling System 7 (SS7)

Denotes the signaling protocol.

Switching System

Denotes the hardware and/or software utilized by the Company for the establishment and maintenance of a given wire center.

Tandem-Switched Transport (TST)

Denotes the transport between an access tandem and Company or Third Party Carrier end offices that subtend the access tandem that utilizes tandem switching functions. Tandem-Switched Transport consists of circuits used in common by multiple customers from the tandem to an end office.

(C)

Terminating Direction

Denotes the use of Access Service for the completion of calls from a customer's premises to an end user's premises.

Third Party Carrier

A Local Exchange Carrier or CMRS provider other than the Company.

Toll VoIP-PSTN Traffic

The term Toll VoIP-PSTN Traffic denotes a customer's interexchange voice traffic exchanged with the Telephone Company in Time Division Multiplexing format over PSTN facilities, which originates and/or terminates in Internet Protocol (IP) format. Toll VoIP-PSTN Traffic originates and/or terminates in IP format when it originates from and/or terminates to an end user customer of a service that requires IP-compatible customer premises equipment.

(N)

(N)

Traffic Type

Denotes Switched Access capacity types.

(Filed under Transmittal No. 18.)

Issued: May 18, 2012

Effective: May 21, 2012

ISSUED BY Mark Brinton  
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1801 California Street, 9<sup>th</sup> Floor  
Denver, CO 80202

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**6. SWITCHED ACCESS SERVICE**

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(Filed under Transmittal No. 18.)

Issued: May 18, 2012

Effective: May 21, 2012

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**6. SWITCHED ACCESS SERVICE**

**6.1 GENERAL**

Feature Group D (FGD) 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 via a Company or LEC tandem. It provides for the use of terminating, switching, transport facilities and common subscriber plant of the Company.

(C)

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.

(C)

Switched Access Service may also provide for the ability to originate calls from an end user's premises that is served by a Third Party Carrier connected to the Company's tandem using Alternate Tandem Transit Service to a customer's premises, and to terminate calls from a customer's premises to an end user's premises that is served by a Third Party Carrier connected to the Company's tandem using Alternate Tandem Transit Service in the LATA where it is provided. Specific references to material describing the elements of Switched Access Service are provided in 6.1.1 and 6.1.2, following.

Rates and charges for Switched Access Service are set forth in Section 7, following. The application of rates for Switched Access Service is described in 6.7, following.

(Filed under Transmittal No. 18.)

Issued: May 18, 2012

Effective: May 21, 2012

ISSUED BY Mark Brinton  
Manager – Public Policy  
1801 California Street, 9<sup>th</sup> Floor  
Denver, CO 80202

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**6. SWITCHED ACCESS SERVICE**

**6.1 GENERAL(Cont'd)**

**6.1.1 SWITCHED ACCESS SERVICE ARRANGEMENTS AND MANNER OF PROVISION**

A. Manner of Provision

1. FGD is furnished on a per trunk basis.
2. Trunks are differentiated by type and directionality of traffic carried over a Switched Access Service arrangement. Differentiation among traffic types is necessary for the Company to design Switched Access Service properly to meet the traffic carrying capacity requirement of the customer.
3. There are two major traffic types:
  - Originating traffic type represents access capacity within a LATA for carrying traffic from the Company's or a Third Party Carrier's end user to the customer. (C)
  - Terminating traffic type represents access capacity within a LATA for carrying traffic from the customer to the Company's or Third Party Carrier's end user. (C)

When ordering capacity for Trunkside Switched Access, the customer must, at a minimum, specify such access capacity in terms of Originating and/or Terminating traffic type. When ordering capacity for 8XX Origination Transit Service, the customer must specify 8XX traffic type.

4. Because some customers will wish to segregate their originating FGD, 8XX Origination Transit Service traffic further into separate trunk groups, the Originating traffic type may be further categorized into Domestic, IDDD and 8XX. Domestic traffic type represents access capacity for carrying only domestic traffic other than 8XX. IDDD traffic type represents access capacity for carrying only international traffic and 8XX traffic type represents access capacity for carrying, respectively, only 8XX traffic. When the customer wishes to segregate their traffic as described above, the customer must specify Domestic, 8XX or IDDD traffic type.

(Filed under Transmittal No. 18.)

Issued: May 18, 2012

Effective: May 21, 2012

ISSUED BY Mark Brinton  
Manager – Public Policy  
1801 California Street, 9<sup>th</sup> Floor  
Denver, CO 80202

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**6. SWITCHED ACCESS SERVICE**

**6.1 GENERAL (Cont'd)**

**6.1.2 RATE CATEGORIES**

The four rate categories which apply to the Company's Switched Access Service: (C)

- Switched Transport (described in 6.1.2.A., following).
- Local Switching (described in 6.1.2.B., following). (N)
- Common Line (described in Section 3, preceding). (N)
- 8XX Origination Transit Service (described in 6.7.1, following).

(Filed under Transmittal No. 18.)

Issued: May 18, 2012

Effective: May 21, 2012

ISSUED BY Mark Brinton  
Manager – Public Policy  
1801 California Street, 9<sup>th</sup> Floor  
Denver, CO 80202

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**6. SWITCHED ACCESS SERVICE**

**6.1 GENERAL**

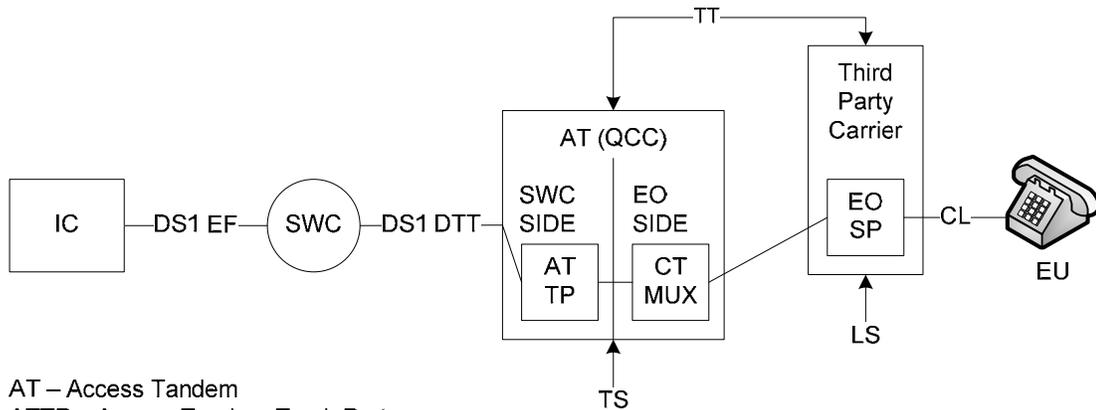
**6.1.2 RATE CATEGORIES (Cont'd)**

The following diagrams, in combination with the billing described in Section 2.4.8, depict possible serving arrangements and components of Switched Access Service and the manner in which the components are combined to provide a complete access service. Direct Routing is used when the customer is directly connected to the Company's tandem. Tandem Routing is used when the customer is indirectly connected to the Company's tandem via a LEC tandem. LEC Tandem Routing is used when the customer is indirectly connected to the Company's end office via a LEC tandem. The following diagrams are not intended to depict all serving arrangements available.

(C)  
(C)

**EXAMPLE 1**

**Switched Access Service Ordered with Direct Routing**



- AT – Access Tandem
- ATTP – Access Tandem Trunk Port
- CL – Common Line
- CT MUX – Common Transport Multiplexer
- DTT – Direct Trunked Transport
- EF – Entrance Facility
- EO – End Office
- EO SP – End Office Shared Port
- EU – End User
- IC – Interexchange Carrier
- LS – Local Switching
- MUX – Multiplexer
- SWC – Serving Wire Center
- TS – Tandem Switching
- TT – Tandem Transmission

(Filed under Transmittal No. 18.)

Issued: May 18, 2012

Effective: May 21, 2012

ISSUED BY Mark Brinton  
 Manager – Public Policy  
 1801 California Street, 9<sup>th</sup> Floor  
 Denver, CO 80202

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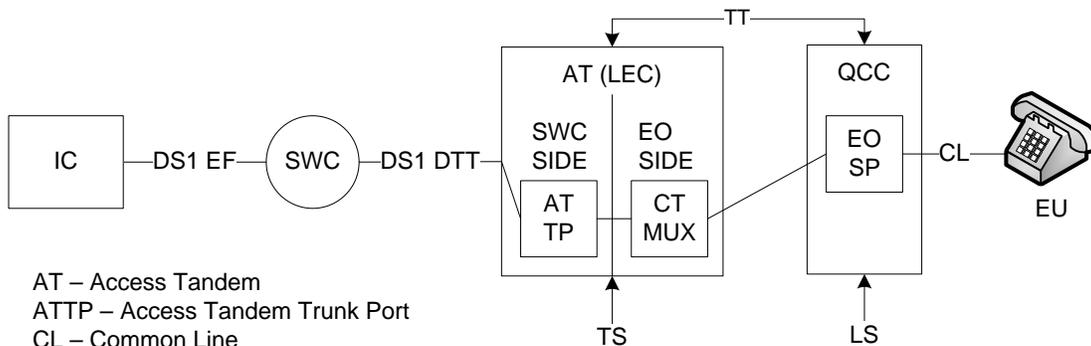
6. SWITCHED ACCESS SERVICE

6.1 GENERAL

6.1.2 RATE CATEGORIES (Cont'd)

EXAMPLE 5

Switched Access Service Ordered  
with LEC Tandem Routing



- AT – Access Tandem
- ATTP – Access Tandem Trunk Port
- CL – Common Line
- CT MUX – Common Transport Multiplexer
- DTT – Direct Trunked Transport
- EF – Entrance Facility
- EO – End Office
- EO SP – End Office Shared Port
- EU – End User
- IC – Interexchange Carrier
- LEC – Local Exchange Carrier
- LS – Local Switching
- MUX – Multiplexer
- SWC – Serving Wire Center
- TS – Tandem Switching
- TT – Tandem Transmission

(N)

(N)

(Filed under Transmittal No. 18.)

Issued: May 18, 2012

Effective: May 21, 2012

ISSUED BY Mark Brinton  
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1801 California Street, 9<sup>th</sup> Floor  
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**6. SWITCHED ACCESS SERVICE**

**6.1 GENERAL**

**6.1.2 RATE CATEGORIES (Cont'd)**

A. Switched Transport

1. General Description

The Switched Transport rate category provides the transmission facilities between the customer's premises and a Company or LEC tandem. (C)

Switched Transport is a two-way voice-frequency transmission path composed of an Entrance Facility (EF) and a Direct-Trunked Transport (DTT) facility to the tandem and Tandem-Switched Transport (TST) from the tandem to the subtending end offices. The transmission path permits the transport of calls in the originating direction (from the end user's 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. (C)

The Company will work cooperatively with the customer in determining (1) the EF, and (2) the directionality of the service. (C)

Switched Transport is provided at the rates and charges set forth in Section 7, following. The application of these rates with respect to the different types of service is as set forth in 6.7.1, following.

Switched Access is ordered under the access order provisions as set forth in Section 5, preceding. Design and traffic routing of Switched Access Service is described in 6.5.2, following.

Switched Transport is composed of an Entrance Facility (EF) rate category, as described in 6.1.2.A.1.a., following, a Direct-Trunked Transport (DTT) rate category, as described in b., following, and a Tandem-Switched Transport (TST) rate category, as described in c., following.

(Filed under Transmittal No. 18.)

Issued: May 18, 2012

Effective: May 21, 2012

ISSUED BY Mark Brinton  
Manager – Public Policy  
1801 California Street, 9<sup>th</sup> Floor  
Denver, CO 80202

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**6. SWITCHED ACCESS SERVICE**

**6.1 GENERAL**

**6.1.2 RATE CATEGORIES**

A.1. (Cont'd)

a. Switched Transport EF Rate Category

An EF provides the communication path between a customer's premises and the serving wire center (SWC) of that premises for the sole use of the customer. The EF rate category is composed of a Voice Grade rate, a DS1 rate or a DS3 rate. An EF is provided even if the customer's premises and the SWC are located in the same building. The types of facilities available for Entrance Facilities are described in 2., following.

b. Switched Transport DTT Rate Category

DTT provides the transmission path on circuits dedicated to the use of a single customer between:

(T)

- The customer's SWC and a Company or LEC tandem.

(C)

The DTT rate category is composed 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 paths. The per-mile rate provides the transmission facilities, including intermediate transmission circuit equipment, between the end points of the circuit. The DTT rate is the sum of the fixed rate and the per-mile rate. For purposes of determining the per-mile rate, mileage will be measured as airline mileage using the V & H coordinates method. Mileage measurement rules are set forth in 6.7.10, following. The types of facilities available for DTT are described in A.2., following.

(Filed under Transmittal No. 18.)

Issued: May 18, 2012

Effective: May 21, 2012

ISSUED BY Mark Brinton  
Manager – Public Policy  
1801 California Street, 9<sup>th</sup> Floor  
Denver, CO 80202

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**6. SWITCHED ACCESS SERVICE**

**6.1 GENERAL**

**6.1.2 RATE CATEGORIES**

A.1. (Cont'd)

c. Switched Transport TST Rate Category

TST provides the transmission facilities between a tandem and end offices subtending that tandem utilizing tandem switching functions. TST also provides the transmission facilities between the Company's tandem and the Third Party Carrier's end offices subtending that tandem utilizing tandem switching functions. For TST, the Company will determine the type of facilities to the end office(s) based on the customer's order for service on a per-trunk basis.

(C)  
(C)

The TST rate category is composed of the rate elements set forth in (1) through (4), following. Rates and charges are set forth in Section 7, following.

(1) Tandem Transmission

Tandem Transmission is composed of a fixed per-MOU rate and per-mile/per-MOU rate. The fixed rate provides for the circuit equipment at the end of the interoffice transmission paths. The per-mile rate provides for 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 will be measured as airline mileage using the V & H coordinates method. Mileage measurement rules are set forth in 6.7.7, following.

(2) Tandem Switching

Tandem Switching is a per-MOU rate assessed for utilizing tandem switching functions when tandem routing is requested for trunkside services.

(3) Access Tandem Trunk Port

An access tandem trunk port (ATTP) is provided for each trunk terminated on the serving wire center side of the access tandem. The ATTP rate is assessed monthly per Feature Group trunk.

(Filed under Transmittal No. 18.)

Issued: May 18, 2012

Effective: May 21, 2012

ISSUED BY Mark Brinton  
Manager – Public Policy  
1801 California Street, 9<sup>th</sup> Floor  
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**6. SWITCHED ACCESS SERVICE**

**6.1 GENERAL**

**6.1.2 RATE CATEGORIES**

A.1.c. (Cont'd)

(4) Common Transport Multiplexing

Common transport multiplexing equipment is utilized in the end office side of the access tandem when Tandem Transmission is provided between the access tandem and the subtending end offices. Common transport multiplexing equipment is also utilized in the end office side of the Company's tandem when Tandem Transmission is provided between the access tandem and the subtending Third Party Carrier's end offices. This rate is assessed on a per-MOU basis. (Multiplexing equipment associated with a DTT facility ordered to the tandem is provisioned on the SWC side of the access tandem. Multiplexing rates for EF and DTT facilities are described in A.4., following, and if assessed, are in addition to the common transport multiplexing rates.)

(C)  
|  
(C)  
  
(C)

2. Switched Transport Facilities

Customers shall specify the type of Entrance Facility (Voice Grade, DS1 or DS3) between the customer's premises and the SWC. The customer must specify the type of DTT facility (Voice Grade, DS1 or DS3) to be utilized from the SWC to the Company's tandem and the Company will determine the type of facilities (i.e., Tandem Transmission) to the subtending Company or Third Party Carrier's end offices.

(C)  
|  
(C)  
  
(C)  
(C)

There are three types of facilities, Voice Grade, DS1 or DS3, available to the customer for EF and DTT. Following is a brief description of each type of facility. Each type has its own characteristics and is available with EF and DTT multiplexing options as set forth in 4., following.

a. Voice Grade Facility

Voice Grade facilities are available for Entrance Facilities and for DTT facilities. 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.

(Filed under Transmittal No. 18.)

Issued: May 18, 2012

Effective: May 21, 2012

ISSUED BY Mark Brinton  
Manager – Public Policy  
1801 California Street, 9<sup>th</sup> Floor  
Denver, CO 80202

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**6. SWITCHED ACCESS SERVICE**

**6.1 GENERAL**

**6.1.2 RATE CATEGORIES**

A. Switched Transport (Cont'd)

3. Optional Feature - Multiplexing for EF and DTT Facilities

Where transmission facilities permit, the Company will, at the option of the customer, provide the following Switched Transport optional feature as set forth in Section 7, following.

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 functions for an EF are available at a SWC. For DTT facilities, multiplexing is available at the Company's end office or tandem. Multiplexing arrangements 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). (Common Transport Multiplexing, as described in 1., preceding, is provided on the end office side of the Company tandem.)

(C)

(C)

EF and DTT multiplexing arrangements are described following.

- DS1 to Voice Grade

DS1 to Voice Grade multiplexing is an arrangement that provides a Company multiplexer which converts a DS1 channel to twenty-four Voice Grade channels utilizing time division multiplexing.

(Filed under Transmittal No. 18.)

Issued: May 18, 2012

Effective: May 21, 2012

ISSUED BY Mark Brinton  
Manager – Public Policy  
1801 California Street, 9<sup>th</sup> Floor  
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**6. SWITCHED ACCESS SERVICE**

**6.1 GENERAL**

**6.1.2 RATE CATEGORIES**

A. Switched Transport

3. Optional Feature - Multiplexing for EF and DTT Facilities (Cont'd)

- DS3 to DS1

DS3 to DS1 multiplexing is 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 multiplexing equipment.

- EF and DTT Multiplexing Equipment

EF and DTT multiplexing equipment is provided at no charge by the Company (at a location determined by the Company as part of its overall network design), when a DTT at a DS1 level is requested from a SWC to the Company's tandem in conjunction with TST from the Company's tandem to subtending Third Party Carrier's end offices or from a LEC tandem to Company end offices. (C)

If the customer chooses to order multiplexing equipment at a location other than the location determined by the Company, the customer will be assessed multiplexing rates and charges as set forth in Section 7, following.

EF and DTT multiplexing arrangements are required and the customer will be assessed multiplexing rates and charges as set forth in Section 7, following, when the following conditions exist:

- A DS3 EF facility is requested, or
- A DS3 EF connects to a DS1 DTT facility, or
- A DS3 EF is requested with a DS3/DS1 multiplexer and a DS1/VG multiplexer for connection to a Voice Grade DTT facility, or (C)
- A DS1 EF connects to a Voice Grade DTT facility.

(Filed under Transmittal No. 18.)

Issued: May 18, 2012

Effective: May 21, 2012

ISSUED BY Mark Brinton  
Manager – Public Policy  
1801 California Street, 9<sup>th</sup> Floor  
Denver, CO 80202

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**6. SWITCHED ACCESS SERVICE****6.1 GENERAL****6.1.2 RATE CATEGORIES (Cont'd)****B. Local Switching**

The Local Switching rate category provides the local end office switching, end user line termination and intercept functions necessary to complete the transmission of Switched Access Communications to and from the end users served by the local end office. The Local Switching rate categories are described following. Local Switching rates are set forth in Section 7. The application of these rates with respect to the different types of service are set forth in 6.7.1, following.

**1. Local End Office Switching Functions****a. Common Switching**

Common Switching provides the local end office switching functions. Included as part of Common Switching are optional features which the customer can order. These optional features are described in 6.3.1, following.

**b. Transport Termination**

Transport Termination provides for the trunkside arrangements which terminate the Switched Transport facilities. The number of transmission paths and Transport Terminations will be determined by the Company as set forth in 6.5.7 and 6.5.8, following.

**2. Local Switching Rate Categories****a. Local Switching per MOU rate elements applies to originating and terminating minutes.****b. End Office Shared Port**

The End Office Shared Port rate provides for the termination of Tandem Transmission trunks in the shared end office ports. The End Office Shared Port is assessed on a per MOU basis to all trunkside originating and terminating access minutes utilizing tandem routing to an end office.

(N)

(N)

(Filed under Transmittal No. 18.)

Issued: May 18, 2012

Effective: May 21, 2012

ISSUED BY Mark Brinton  
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1801 California Street, 9<sup>th</sup> Floor  
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**6. SWITCHED ACCESS SERVICE**

**6.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE**

- A. Switched Access Service is provided in different serving arrangements. The provision of each type of Switched Access Service requires Switched Transport facilities (Entrance Facilities, DTT Facilities and TST Facilities for tandem routed traffic), multiplexing equipment and the appropriate Local Switching functions.
- B. Serving arrangements are arranged for either originating, terminating or two-way calling, based on the capacity the customer ordered. Originating calling permits the delivery of calls from the Company's or Third Party Carrier's Telephone Exchange Service locations to the customer's premises. Terminating calling permits the delivery of calls from the customer's premises to the Company's or Third Party Carrier's Telephone Exchange Service locations. Two-way calling permits the delivery of calls in both directions, but not simultaneously. The 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 Company will work cooperatively with the customer to determine the directionality. (C)
- C. Following are detailed descriptions of each of the available Switched Access Services. Each service is described in terms of its specific physical characteristics and calling patterns, the transport provisioning, the transmission specifications with which it is provided, the optional features available for use with it and the standard testing capabilities. (C)
- D. Availability and wire center information are as set forth in the National Exchange Carrier Association (N.E.C.A.) Tariff F.C.C No. 4.

(Filed under Transmittal No. 18.)

Issued: May 18, 2012

Effective: May 21, 2012

ISSUED BY Mark Brinton  
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**COMPETITIVE ACCESS SERVICES TARIFF**

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**6. SWITCHED ACCESS SERVICE**

**6.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE (Cont'd)**

**6.2.1 FEATURE GROUP D (FGD)**

A. Description

1. FGD is provided at Company designated end office switches or at the Company's tandem switches. (C)
2. FGD provides a trunkside termination through the use of tandem switch trunk equipment. (C)
3. Feature Group D is switched through a Company or LEC tandem, the Switched Transport configuration is composed of an Entrance Facility, a DTT facility between the SWC and the tandem and TST from the tandem to the end offices subtending the tandem. Multiplexing options are described in 6.1.2, preceding. (C)  
(C)  
(C)
4. Terminating FGD with tandem routing, may also, at the option of the customer, access valid NXX codes served by Third Party Carrier end offices in which originating FGD is not available. Rating of this optional service is as set forth in 6.7.1.D., following.
5. The Company will establish a trunk group or groups for the customer at the Company's 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 Company. (C)  
(C)
6. 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). The form of the numbers dialed by the end user is 1 + NPA + NXX-XXXX. For calls outside the NANP, and if the end office is technically equipped for International Direct Distance Dialing (IDDD), a 7- or 15- digit number may be dialed after dialing the prefix 011 or 01.
7. FGD is provided with Transmission Type A1 parameters that are delineated in industry standards and Technical Publications. (C)  
(C)
8. FGD is provided, in the terminating direction where equipment is available, with ten digit access to milliwatt (102 type) test line.

(Filed under Transmittal No. 18.)

Issued: May 18, 2012

Effective: May 21, 2012

ISSUED BY Mark Brinton  
Manager – Public Policy  
1801 California Street, 9<sup>th</sup> Floor  
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**6. SWITCHED ACCESS SERVICE**

**6.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE (Cont'd)**

**6.2.2 8XX ORIGINATION TRANSIT SERVICE (8XX)**

A. General Description

8XX Origination Transit Service (8XX) is an originating service utilizing trunkside Switched Access Service which provides for the forwarding of Third Party Carrier end user dialed 8XX+NXX-XXXX calls to a customer based on the dialed 8XX number. 8XX Service must be ordered and provisioned to all end offices or all Company tandems in a LATA. In addition, the provision of 8XX Service requires the customer's direct access to the Service Management System/800 (SMS/800), or as an alternative, the provision of such service by a Responsible Organization in accordance with the Guidelines for 800 Data Base. (C)

When an 8XX call is originated by an end user, the Company will perform the customer identification function based on the dialed digits and the geographic origination of the call to determine the customer location to which the call is to be routed in accordance with SMS/800 information accessed by the Company's Service Control Point (SCP).

8XX Service will only be provided for calls that originate in the same LATA as the Company's tandem. (C)

The customer has the option of having the dialed 8XX number (i.e., 8XX+NXX-XXXX or the translated Plain Old Telephone Service (POTS) number (i.e., NPA+NXX-XXXX) delivered. If the translated POTS number is delivered, the customer must request POTS Translation through the Responsible Organization. The service provider will be unable to determine that such calls originated as 1+8XX+NXX-XXXX dialed calls unless the customer also orders the Automatic Number Identification (ANI) feature through the Company as described in 6.3.1, following. (C)

8XX Service provided from a Company or Third Party Carrier end office will be provisioned from the SSP switch as Feature Group D. (C)

(Filed under Transmittal No. 18.)

Issued: May 18, 2012

Effective: May 21, 2012

ISSUED BY Mark Brinton  
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**6. SWITCHED ACCESS SERVICE**

**6.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE**

**6.2.2 8XX ORIGINATION TRANSIT SERVICE (8XX)**

A. General Description (Cont'd)

The customer's 8XX voice or data traffic may be combined in the same trunk group arrangement with the customer's non-8XX Access Service voice or data traffic or provisioned on a separate trunk group, unless prohibited by technical limitations.

Measurement of 8XX Service Usage shall be in accordance with the terms and conditions set forth in 6.7.5, following, for trunkside Switched Access Service. Specifically, 8XX Service originating usage, whether combined with non-8XX Access Service usage on trunk groups or provided using dedicated trunk groups, shall be measured in the same manner as specified for non-8XX Access Service usage over trunkside Switched Access Service.

The Company must be notified twenty-four (24) hours prior to any media stimulation. The Company maintains the right to apply protective controls, i.e., those actions such as call gapping, to ensure the provisioning of acceptable service to all telecommunications users of the Company's network services.

Application of rates for 8XX Service shall be as set forth in 6.7.1, following.

B. Vertical Features

In addition to the basic carrier identification function and POTS Translation, 8XX Service subscribers may request vertical features through a Responsible Organization in accordance with the SMS/800 User Guide. Vertical features will be maintained within the Company's SCP when technically feasible. The POTS Translation feature is described in 1., following, and the Call Handling and Destination Features are described in 2., following.

(C)  
|  
(C)

(Filed under Transmittal No. 18.)

Issued: May 18, 2012

Effective: May 21, 2012

ISSUED BY Mark Brinton  
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**6. SWITCHED ACCESS SERVICE****6.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE****6.2.2 8XX ORIGINATION TRANSIT SERVICE (8XX)**

## B. Vertical Features (Cont'd)

## 1. POTS Translation

The POTS Translation vertical feature provides the option of having the ten digit POTS number (i.e., NPA+NXX-XXXX) delivered instead of the 8XX dialed number (i.e., 8XX+NXX-XXXX) delivered to the service provider. If the POTS Translation feature is requested through the Responsible Organization, the service provider will be unable to determine that such calls originated as 1+8XX+NXX-XXXX dialed calls unless the service provider also orders, through the Company, the Automatic Number Identification (ANI) optional feature as described in 6.3.1, following. ANI information digits of "24" indicating that the call originated as an 8XX dialed call is delivered when the ANI optional feature is ordered.

A POTS Translation Charge as described in 6.7.1, following, is assessed to the service provider for each 8XX call delivered.

## 2. Call Handling and Destination Features

Call Handling and Destination Features allow service subscribers variable routing options by specifying a single carrier, multiple carriers (Exchange and/or Interexchange Carriers), single termination or multiple terminations. Multiple terminations require the POTS Translation. The following variable routing options are available:

(C)

- Routing by Originating NPA+NXX-XXXX
- Time of Day
- Day of Week
- Specific Date
- Allocation by Percentage

Routing by originating NPA+NXX-XXXX, where technically feasible, allows a service subscriber to specify one or more multiple terminations with a single carrier and/or multiple carriers (Exchange and/or Interexchange Carriers) based on where a call originates.

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(Filed under Transmittal No. 18.)

Issued: May 18, 2012

Effective: May 21, 2012

ISSUED BY Mark Brinton  
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**6. SWITCHED ACCESS SERVICE**

**6.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE**

**6.2.2 8XX ORIGINATION TRANSIT SERVICE (8XX)**

**B. Call Handling and Destination Features (Cont'd)**

(C)

Time of Day/Day of Week allows a service subscriber to specify one or more multiple terminations with a single carrier and/or multiple carriers (Exchange and/or Interexchange Carriers) based on the time of day or day of week the call originates.

Specific Date allows the service subscriber to specify alternate service routes with the date the call originates. These calls can be routed to one or more multiple terminations, with a single carrier and/or multiple carriers (Exchange and/or Interexchange Carriers).

Allocation by Percentage allows the service subscriber to specify by percentage the calls to be allocated to multiple terminations and/or multiple carriers (Exchange and/or Interexchange Carriers).

Application of rates for 8XX Service shall be as set forth in 6.7.1, following. Rates and charges are set forth in Section 7.

(D)  
(N)  
(N)

(Filed under Transmittal No. 18.)

Issued: May 18, 2012

Effective: May 21, 2012

ISSUED BY Mark Brinton  
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**6. SWITCHED ACCESS SERVICE**

**6.3 COMMON SWITCHING OPTIONAL FEATURES**

**6.3.1 COMMON SWITCHING OPTIONS**

A. Automatic Number Identification (ANI) (Cont'd)

5. ANI information and Charge Number information are provided based on the following requirements:

- The telephone number and billing information may be used for billing and collection, routing, screening, and completion of the originating subscriber's call or transaction, or for services directly related to the originating subscriber's call or transaction;
- The ANI information shall not be reused or resold without first (A) notifying the originating subscriber and (B) obtaining the affirmative consent of such subscriber for such reuse or resale; and
- ANI information shall not be disclosed, except as permitted by (1) and (2), above, for any purpose other than (i) performing the services or transactions that are the subject of the originating subscriber's call, (ii) ensuring network performance security, and the effectiveness of call delivery, (iii) compiling, using and disclosing aggregate information, and (iv) complying with applicable law or legal process.

B. Service Class Routing

This option provides the capability of directing originating traffic from an end office to a tandem trunk group to a customer designated premises, based on service access code (e.g., 8XX). It is provided in suitably equipped tandem switches based on technical limitations. (C)

**6.4 TRANSMISSION SPECIFICATIONS**

Each Switched Access Service transmission path is provided with standard transmission parameter limits for service routed to a tandem. (C)

(Filed under Transmittal No. 18.)

Issued: May 18, 2012

Effective: May 21, 2012

ISSUED BY Mark Brinton  
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**6. SWITCHED ACCESS SERVICE**

**6.5 OBLIGATIONS OF THE COMPANY**

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

**6.5.1 NETWORK MANAGEMENT**

The Company will administer its network to ensure the provision of acceptable service levels to all telecommunications users of the Company's network services.

Generally, service levels are considered acceptable only when both Company or Third Party Carrier end users and customers are able to establish connections with little or no delay encountered within the Company network. The Company maintains the right to apply protective controls, i.e., those actions, such as call gapping, which selectively cancel the completion of traffic, over 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 Company or customer facilities, natural disasters, mass calling or national security demands. In the event that the protective controls applied by the 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 2.4.5.B., preceding. (C)

**6.5.2 DESIGN AND TRAFFIC ROUTING OF SWITCHED ACCESS SERVICE**

When ordering Switched Access Service, the customer shall specify on the order for service the Entrance Facility, the number of trunks and the desired directionality (i.e., one-way, two-way). When the customer orders facilities, routing, directionality or optional features different from that determined to be available by the Company, the Company will work cooperatively with the customer in determining an acceptable configuration based on available facilities, equipment and the Company routing plans. Rates and charges for Switched Transport, as set forth in Section 7, following, will be applied based on the transport provisioned at the time the order is completed. (C)

(Filed under Transmittal No. 18.)

Issued: May 18, 2012

Effective: May 21, 2012

ISSUED BY Mark Brinton  
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**6. SWITCHED ACCESS SERVICE****6.5 OBLIGATIONS OF THE COMPANY (Cont'd)****6.5.3 DS1 RECORDS ASSIGNMENT**

When the customer initially orders a DS3 EF with DS3 DTT facilities to a Company tandem or end office, the Company will provide to the customer, the appropriate DS1 facility record necessary for the customer to identify circuit facility assignment (CFA). On subsequent orders utilizing existing DS3 Entrance Facilities or DS3 DTT facilities, the Company will assign the DS1 facility to the DS3 Entrance Facility or DS3 DTT facility as directed by the customer's order. (C)

**6.5.4 MULTIPLEXING**

The Company will provide multiplexing equipment at a location determined by the Company as part of its overall network design when the conditions exist as set forth in 6.1.2, preceding.

**6.5.5 PROVISION OF SERVICE PERFORMANCE DATA**

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

**6.5.6 TRUNK GROUP MEASUREMENT REPORTS**

Subject to availability, the 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.

(Filed under Transmittal No. 18.)

Issued: May 18, 2012

Effective: May 21, 2012

ISSUED BY Mark Brinton  
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**6. SWITCHED ACCESS SERVICE**

**6.5 OBLIGATIONS OF THE COMPANY (Cont'd)**

**6.5.7 DETERMINATION OF NUMBER OF TRANSMISSION PATHS**

DS1 and DS3 Entrance Facilities and DTT facilities requested by the customer are solely transport facilities capable of 24 and 672 channels, respectively, and do not reflect the actual switching capacity in the SWC, end office or tandem. (C)  
The actual number of transmission paths provided will be based on the customer's trunk request. Subsequent assignment will be based on switching equipment available.

For Trunkside Switched Access Service which is ordered on a per-trunk basis, the customer specifies the number of transmission paths in the order for service. (C)

Determination of number of end office transport terminations an equivalent termination will be provided for each FG trunk requested. (C)

**6.5.8 DESIGN BLOCKING PROBABILITY**

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

A. For Feature Group D, the design blocking objective for the final group will be no greater than one percent (.01) between the POT at the customer's premises and the tandem. (C)

B. The design blocking criteria for 8XX Service will be equivalent to the design blocking criteria of the Feature Group that they are provisioned as, except under media stimulation when protective controls may be utilized to ensure the provisioning of acceptable service levels to all telecommunication users of the Company's network services. (T)

(Filed under Transmittal No. 18.)

Issued: May 18, 2012

Effective: May 21, 2012

ISSUED BY Mark Brinton  
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**6. SWITCHED ACCESS SERVICE**

**6.5 OBLIGATIONS OF THE COMPANY**

**6.5.8 DESIGN BLOCKING PROBABILITY (Cont'd)**

- C. The Company will perform routine measurement functions for the trunks ordered in accordance with Company design blocking criteria to assure that an adequate number of trunks are in service. The Company will recommend that additional trunks be ordered by the customer when additional trunks are required to reduce the measured blocking to the designed blocking level. Where design blocking criteria apply, the design blocking objective is assumed to have been met if the routine measurements show that the measured blocking does not exceed the thresholds listed in the following table.

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

(C)  
(C)

NUMBER OF TRANSMISSION PATHS PER TRUNK GROUP	MEASURED BLOCKING THRESHOLDS IN THE TIME CONSISTENT BUSY HOUR FOR THE NUMBER OF MEASUREMENTS PER TRUNK GROUP			
	15-20	11-14	7-10	3-6
	MEASURE- MENTS	MEASURE- MENTS	MEASURE- MENTS	MEASURE- MENTS
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

(Filed under Transmittal No. 18.)

Issued: May 18, 2012

Effective: May 21, 2012

ISSUED BY Mark Brinton  
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**6. SWITCHED ACCESS SERVICE**

**6.6 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:

**6.6.1 ORDERING REQUIREMENTS**

When ordering Switched Access Service, the customer shall specify on the order for service, the type and number of Entrance Facilities to terminate at the customer's SWC, the desired interoffice transport, the number of trunks to be provisioned at the tandem and the desired directionality.

(C)  
(C)

**6.6.2 REPORT REQUIREMENTS**

Customers are responsible for providing the following reports to the 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 2.3.9, preceding. Charges will be apportioned in accordance with those reports. The method to be used for determining the intrastate charges is set forth in 2.3.10, preceding.

B. Code Screening Reports

When a customer orders Service Class Routing, it must report the number of trunks and/or the appropriate codes to be instituted in each tandem switch, for each of the arrangements ordered.

(C)

(Filed under Transmittal No. 18.)

Issued: May 18, 2012

Effective: May 21, 2012

ISSUED BY Mark Brinton  
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**6. SWITCHED ACCESS SERVICE**

**6.7 RATE TERMS AND CONDITIONS**

**6.7.1 DESCRIPTION AND APPLICATION OF RATES AND CHARGES**

C.3. (Cont'd)

b. All other service rearrangements will be charged for as follows:

- If, due to technical limitations of the Company, a customer could not combine its 8XX Service traffic with its other trunkside Switched Access Services, no charge shall apply to combine these trunk groups when it becomes technically possible.
- If the change involves the addition of or a modification to an optional feature which has a separate nonrecurring charge, that nonrecurring charge will apply.
- If, due to an office replacement, a customer requests conversion from one-way to two-way trunks, and the request is made six months in advance of the office replacement due date, the nonrecurring charges will not apply.
- For all other changes, including the addition of, or modifications to optional features without separate nonrecurring charges, a charge equal to one-half the Switched Transport per trunk nonrecurring (i.e., installation) charge will apply. This one-half nonrecurring charge is assessed the "first" installation charge for the first trunk and each additional trunk is assessed the "each additional" installation charge, per Access Order. If two or more optional features and changes are ordered on the same Access Order, the optional feature or change requiring the lowest level of work activity will apply. A maximum one-half nonrecurring charge will apply per Access Order for service rearrangements.
- If a feature is not required on each trunk, but rather for an entire hunt or trunk group or tandem switch, only one such charge will apply (i.e., it will not apply per trunk). This one-half nonrecurring charge is assessed the "first" installation charge for the first hunt group, trunk group, end office or access tandem switch and each additional hunt group, trunk group, end office or access tandem switch is assessed the "each additional" installation charge, per Access Order. Nonrecurring charges for service rearrangements are specified in Section 7, following.

(C)

(Filed under Transmittal No. 18.)

Issued: May 18, 2012

Effective: May 21, 2012

ISSUED BY Mark Brinton  
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**6. SWITCHED ACCESS SERVICE**

**6.7 RATE TERMS AND CONDITIONS**

**6.7.1 DESCRIPTION AND APPLICATION OF RATES AND CHARGES (Cont'd)**

D. Application of Rates

Tandem Switched Transport and Local Switching usage rates are applied per access minute. The terminating Local Switching rate applies to all terminating access minutes of use. The originating Local Switching rate applies to all originating access minutes of use.

(C)  
|  
(C)

E. 8XX Service Rates and Charges

- An 8XX Carrier Identification Charge is assessed per call to the service provider the call is delivered to in accordance with SMS/800 information accessed by the Company's SCP.
- A POTS Translation Charge is assessed per call, in addition to the 800 Carrier Identification Charge, when the POTS number is delivered to the service provider instead of the 8XX number in accordance with SMS/800 information residing in the Company's SCP. The POTS Translation feature is described in 6.2.2.B, preceding.
- A Call Handling and Destination Feature Charge is assessed on a per-query basis, in addition to the Carrier Identification Charge and the POTS Translation Charge, to the service provider the call is delivered to for each 8XX query to the Company's SCP that utilizes a Call Handling and Destination feature as described in 6.2.3, preceding. The query rate is assessed for all completed queries whether or not the actual 8XX call is delivered to the service provider. A query is considered to be completed when the routing information is delivered back to the Service Switching Point.
- These rates and charges are in addition to the rates and charges for the rate categories described in 6.1.2, preceding, which are applicable to all Switched Access Service. The 8XX Service rates are set forth in Section 7.2, following. Records exchange, rating and billing for 8XX Origination Transit Service is subject to the provisions of the Multiple Exchange Carrier Access Billing Guidelines (MECAB).

(T)

(T)

(Filed under Transmittal No. 18.)

Issued: May 18, 2012

Effective: May 21, 2012

ISSUED BY Mark Brinton  
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**6. SWITCHED ACCESS SERVICE**

**6.7 RATE TERMS AND CONDITIONS**

**6.7.1 DESCRIPTION AND APPLICATION OF RATES AND CHARGES(Cont'd)**

F. Entrance Facility

The Entrance Facility monthly rate is assessed based on the type of facility provided, Voice Grade, DS1 or DS3. The Entrance Facility rate is assessed even when the customer's premises and the SWC are located in the same building. The Entrance Facility rate is in addition to the rates assessed for DTT and TST. Rates are set forth in Section 7, following.

G. Direct-Trunked Transport

Except as set forth in 2. and 3., following, for each DTT facility provided, Voice Grade, DS1 or DS3, a fixed monthly rate and a monthly rate per mile is assessed. The DTT rates are in addition to the Entrance Facility rate. Mileage measurement is described in 6.7.7, following. Rates and charges are set forth in Section 7, following.

(C)

(Filed under Transmittal No. 18.)

Issued: May 18, 2012

Effective: May 21, 2012

ISSUED BY Mark Brinton  
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**6. SWITCHED ACCESS SERVICE**

**6.7 RATE TERMS AND CONDITIONS**

**6.7.1 DESCRIPTION AND APPLICATION OF RATES AND CHARGES(Cont'd)**

H. Tandem-Switched Transport

The TST rate category is composed of Tandem Transmission, Tandem Switching, Access Tandem Trunk Port and Common Transport Multiplexing rates. Mileage measurement is described in 6.7.7., following. Rates and charges are set forth in Section 7, following.

1. Tandem Transmission

The Tandem Transmission rates are assessed on a per-MOU basis when tandem routing is provided for trunkside services. A fixed rate and a rate per mile, per minute apply.

(C)  
(C)

2. Tandem Switching

The Tandem Switching rate is assessed on a per-MOU basis to all Switched Access minutes when tandem switching functions are utilized.

3. Access Tandem Trunk Port

The Access Tandem Trunk Port (ATTP) is a monthly rate assessed per Feature Group trunk in service terminating on the serving wire center side of the access tandem.

4. Common Transport Multiplexing

Common Transport Multiplexing is a per-MOU rate assessed to all Switched Access minutes utilizing Tandem Transmission from the access tandem to all subtending Company and Third Party Carrier end offices for trunkside services. Nonrecurring charges are not assessed for common transport multiplexing.

(C)  
(C)

I. Multiplexing associated with EF and DTT facilities

The multiplexing monthly rate is assessed on a per-arrangement basis.

(Filed under Transmittal No. 18.)

Issued: May 18, 2012

Effective: May 21, 2012

ISSUED BY Mark Brinton  
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**6. SWITCHED ACCESS SERVICE**

**6.7 RATE TERMS AND CONDITIONS (Cont'd)**

**6.7.5 MEASURING ACCESS MINUTES**

Customer traffic to or from Company or Third Party Carrier end office switches will be measured (i.e., recorded) by the Company at end office switches or tandem switches. The measured minutes are the chargeable access minutes. (C)  
(C)

**6.7.6 FEATURE GROUP D USAGE MEASUREMENT**

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 Company tandem, and are then rounded up to the nearest access minute for each Company tandem.

The following assumed minutes are used in the computation of Switched Access Service charges.

**A. Originating Usage Measurement**

**Out of Band SS7 Signaling**

- For originating calls over FGD, usage measurement begins when the FGD entry switch receives an Exit Message (EXM).
- The measurement of originating call usage over FGD 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.

**B. Terminating Usage Measurement**

- For terminating calls over FGD, the measurement of access minutes begins when the terminating FGD entry switch receives answer supervision from the Company or Third Party Carrier end office, indicating the terminating end user has answered. (C)
- The measurement of terminating call usage over FGD ends when the terminating FGD entry switch receives disconnect supervision from either the Company or Third Party Carrier's end office, indicating the terminating end user has disconnected, or the customer's POT, whichever is recognized first by the entry switch. (C)

(Filed under Transmittal No. 18.)

Issued: May 18, 2012

Effective: May 21, 2012

ISSUED BY Mark Brinton  
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---

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**6. SWITCHED ACCESS SERVICE**

**6.7 RATE TERMS AND CONDITIONS (Cont'd)**

**6.7.7 MILEAGE MEASUREMENT**

The mileage to be used to determine the Switched Transport rate for traffic is calculated on the airline distance between the tandem the customer's servicing wire center. TST is calculated on the airline distance between the end office switch, where the call originates or terminates and the access tandem. The V&H coordinates method is used to determine mileage. This method is set forth in the National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4 for Wire Center Information (V & H coordinates).

(C)  
|  
(C)

Mileage rates are shown in Section 7, following. If the V & H calculation results in a fraction of a mile, always round up to the next whole mile for rate application.

(C)  
|  
(C)

(Filed under Transmittal No. 18.)

Issued: May 18, 2012

Effective: May 21, 2012

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**7. RATES AND CHARGES**

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(Filed under Transmittal No. 18.)

Issued: May 18, 2012

Effective: May 21, 2012

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**COMPETITIVE ACCESS SERVICES TARIFF**

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**7. RATES AND CHARGES**

**7.3 ACCESS SERVICES RATES AND CHARGES – BELL SOUTH TELECOMMUNICATIONS SERVICE AREAS: GEORGIA**

(N)

**7.3.1 SWITCHED RECURRING RATES**

A. Tandem-Switched Transport Usage Rates

**RATE PER ACCESS MINUTE  
FIXED PER MILE**

• Tandem Transmission:

Facility Termination

- Originating	\$0.000168	\$0.000020
- Termination	\$0.000168	\$0.000020

B. Local Switching

**RATE PER ACCESS MINUTE**

• Local End Office Switching:

- Originating	\$0.002089
- Termination	\$0.002089

• End Office Shared Port

- Originating	\$0.000800
- Termination	\$0.000800

(N)

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**COMPETITIVE ACCESS SERVICES TARIFF****7. RATES AND CHARGES****7.3 ACCESS SERVICES RATES AND CHARGES – BELL SOUTH TELECOMMUNICATIONS  
SERVICE AREAS: GEORGIA (Cont'd)**

(N)

**7.3.2 NONRECURRING RATES****A. Trunk Installation****NONRECURRING  
CHARGE**

- |                         |          |
|-------------------------|----------|
| • First trunk           | \$150.00 |
| • Each additional trunk | 36.00    |

**B. Moves within the Same Serving Wire Center**Switched Access Service,  
per trunk

- |                         |       |
|-------------------------|-------|
| • First trunk           | 64.38 |
| • Each additional trunk | 15.53 |

(N)

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