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**COMPETITIVE ACCESS SERVICES TARIFF**

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**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. 22.)

Issued: October 25, 2012

Effective: October 29, 2012

ISSUED BY Mark Brinton  
Manager – Public Policy  
1801 California Street, 10th Floor  
Denver, CO 80202

**COMPETITIVE ACCESS SERVICES TARIFF****CHECK SHEET (Cont'd)**

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\* New or Revised Page.

(Filed under Transmittal No. 22.)

Issued: October 25, 2012

Effective: October 29, 2012

ISSUED BY Mark Brinton  
Manager – Public Policy  
1801 California Street, 10th Floor  
Denver, CO 80202

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(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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

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(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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(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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

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(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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

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(Filed under Transmittal No. 22.)

Issued: October 25, 2012

Effective: October 29, 2012

ISSUED BY Mark Brinton  
Manager – Public Policy  
1801 California Street, 10th Floor  
Denver, CO 80202



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**CONCURRING CARRIERS**

NO CONNECTING CARRIERS

**CONNECTING CARRIERS**

NO CONNECTING CARRIERS

**OTHER PARTICIPATING CARRIERS**

NO OTHER PARTICIPATING CARRIERS

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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

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**EXPLANATION OF SYMBOLS**

- (C) - To signify changed regulation
- (D) - To signify discontinued rate or regulation
- (I) - To signify increase
- (M) - To signify matter relocated without change
- (N) - To signify new rate or regulation
- (R) - To signify reduction
- (S) - To signify reissued matter
- (T) - To signify a change in text but no change in rate or regulation
- (Z) - To signify a correction

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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

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**TARIFF FORMAT****A. Location Of Material**

- Where appropriate each individual section in the Tariff provides a Subject Index for the material located within that section.
- Obsolete service offerings are identified in the Tariff by adding 100 to the current section number, i.e., obsolete items from Section 6, Switched Access Service, would be found in Section 106, Obsolete Switched Access Service. This section is then filed behind Section 6.

**B. Outline Structure**

This document uses nine levels of indentations referred to as Tariff Information Management (TIM) Codes, as outlined below:

<b>LEVEL</b>	<b>APPLICATION</b>	<b>EXAMPLE</b>
1	Section Heading	<b>6. SWITCHED ACCESS SERVICE</b>
2	Sub Heading	<b>6.1 GENERAL</b>
3	Sub Heading	<b>6.1.2 RATE CATEGORIES</b>
4	Sub Heading/Text	A. Text
5	Sub Heading/Text	1. Text
6	Sub Heading/Text	a. Text
7	Sub Heading/Text	(1) Text
8	Sub Heading/Text	(a) Text
9	Footnotes	[1] Text

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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

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**TARIFF FORMAT (Cont'd)**

**C. Rate Tables**

Within rate tables, four types of entries are allowed:

- Rate Amount

The rate amount indicates the dollar value associated with the service.

- A dash "-"

The dash indicates that there is no rate for the service or that a rate amount is not applicable under the specific column header.

- A footnote designator "[1]"

The footnote designator indicates that further information is contained in a footnote.

- ICB

The acronym "ICB" indicates that the product/service is rated on an individual case basis.

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

ISSUED BY Mark Brinton  
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Denver, CO 80202

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**EXPLANATION OF ABBREVIATIONS**

ac	- Alternating Current
ANI	- Automatic Number Identification
AT	- Access Tandem
ATTP	- Access Tandem Trunk Port
BP	- Billing Percentage
CCS	- One hundred call seconds
CFA	- Circuit Facility Assignment
CIC	- Carrier Identification Code
CL	- Common Line
CMRS	- Commercial Mobile Radio Service
CN	- Charge Number
Cont'd	- Continued
CPN	- Calling Party Number
CSP	- Carrier Selection Parameter
dc	- Direct current
DTT	- Direct-Trunked Transport
EAS	- Extended Area Service
EF	- Entrance Facility
e.g.	- For example
EO	- End Office
EOSP	- End Office Shared Port
etc.	- Etcetera
EU	- End User
EXM	- Exit Message
f	- Frequency
F.C.C.	- Federal Communications Commission
H	- Horizontal
IC	- Interexchange Carrier
ICB	- Individual Case Basis
IDDD	- International Direct Distance Dialing
i.e.	- That is
LATA	- Local Access and Transport Area
LEC	- Local Exchange Carrier
LNP	- Local Number Portability
LS	- Local Switching

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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

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**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.)

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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**REFERENCE TO OTHER TARIFFS**

Whenever reference is made in this Tariff to other tariffs, the reference is to the tariffs in force as of the effective date of this Tariff, and to amendments thereto and successive issues thereof.

The following tariffs are referenced in this tariff and may be obtained from the Federal Communications Commission's commercial contractor:

National Exchange Carrier Association, Inc,  
Wire Center Information  
Tariff F.C.C. No. 4

**REFERENCE TO TECHNICAL PUBLICATIONS**

The following technical publications are referenced in this Tariff and may be obtained from the Alliance for Telecommunications Industry Solutions (ATIS), 1200 G Street N.W., Suite 500, Washington, DC 20005 ([www.atis.org](http://www.atis.org)).

- Multiple Exchange Carrier Access Billing (MECAB) Guidelines

Issued: September 2010

- Multiple Exchange Carrier Ordering and Design (MECOD) Guidelines

Issued: April 2009

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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

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**COMPETITIVE ACCESS SERVICES TARIFF**

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**1. APPLICATION AND REFERENCE**

**1.1 APPLICATION OF TARIFF**

This Tariff contains regulations, terms, conditions, rates and charges applicable to the provision of Access Services, provided by Qwest Communications Company, LLC, hereinafter referred to as the Company. The Company's services are furnished subject to the availability of facilities and connectivity between the Company and Customer and subject to the terms and conditions of this tariff. A Carrier Identification Code (CIC) must be obtained before customers can purchase Switched Access Service for resale.

The provision of such services by the Company as set forth in this Tariff does not constitute a joint undertaking with the customer for the furnishing of any service.

Availability and wire center locations for this issuing Carrier are located in the National Exchange Carrier Association, Inc., Tariff F.C.C. No. 4.

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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



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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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**2. GENERAL REGULATIONS**

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(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**

**2.1 UNDERTAKING OF THE COMPANY**

**2.1.1 SCOPE**

- A. The Company does not undertake to transmit messages under this Tariff.
- B. The Company shall be responsible only for the installation, operation and maintenance of the services which it provides.
- C. The Company will, for maintenance purposes, test its services only to the extent necessary to detect and/or clear troubles.
- D. Services are provided 24 hours daily, seven days per week, except as set forth in other applicable sections of this Tariff.
- E. The Company does not warrant that its facilities and services meet standards other than those set forth in this Tariff and associated Technical Publications.

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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

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**2. GENERAL REGULATIONS**

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

**2.1.2 LIMITATIONS**

- A. The customer may not assign or transfer the use of services provided under this Tariff; however, where there is no interruption of use or relocation of the services, such assignment or transfer may be made to:
  - 1. Another customer, whether an individual, partnership, association or corporation, provided the assignee or transferee assumes all outstanding indebtedness for such services, and the unexpired portion of the minimum period and the termination liability applicable to such services, if any; or
  - 2. A court-appointed receiver, trustee or other person acting pursuant to law in bankruptcy, receivership, reorganization, insolvency, liquidation or other similar proceedings, provided the assignee or transferee assumes the unexpired portion of the minimum period and the termination liability applicable to such services, if any.
- B. In all cases of assignment or transfer, the written acknowledgment of the Company is required prior to such assignment or transfer which acknowledgment shall be made within 15 days from the receipt of notification. All regulations and conditions contained in this Tariff shall apply to such assignee or transferee.
- C. The assignment or transfer of services does not relieve or discharge the assignor or transferor from remaining jointly or severally liable with the assignee or transferee for any obligations existing at the time of the assignment or transfer.
- D. The assignor or transferor and the assignee or transferee will be required to sign a Transfer of Use Agreement assuming all outstanding indebtedness as set forth in A.1., preceding. In all cases where there is no interruption of use or relocation of the services (i.e., change in Carrier Identification Code (CIC) or any other technical and/or physical change to the service), administrative changes will be made without charge(s).

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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

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**2. GENERAL REGULATIONS****2.1 UNDERTAKING OF THE COMPANY (Cont'd)****2.1.3 LIABILITY**

- A. The Company's liability, if any, for its willful misconduct is not limited by this Tariff. With respect to any other claim or suit, by a customer or by any others, for damages associated with the installation, provision, preemption, termination, maintenance, repair or restoration of service, and subject to the provisions of B. through G., following, the Company's liability, if any, shall not exceed an amount equal to the proportionate charge for the service for the period during which the service was affected. This liability for damages shall be in addition to any amounts that may otherwise be due the customer under this Tariff as a Credit Allowance for a Service Interruption.
- B. The Company shall not be liable for any act or omission of any customer providing a portion of a service, nor shall the Company for its own act or omission hold liable any customer providing a portion of a service.
- C. The Company is not liable for damages to the customer premises resulting from the furnishing of a service, including the installation and removal of equipment and associated wiring, unless the damage is caused by the Company's negligence.
- D. The Company shall be indemnified, defended and held harmless by the customer against any claim, loss or damage arising from the customer's use of services offered under this Tariff, involving:
  - 1. Claims for libel, slander, invasion of privacy, or infringement of copyright arising from the customer's own communications;
  - 2. Claims for patent infringement arising from the customer's acts combining or using the service furnished by the Company in connection with facilities or equipment furnished by the customer or;
  - 3. All other claims arising out of any act or omission of the customer in the course of using services provided pursuant to this Tariff.
  - 4. Entering any Company-owned facility housing (e.g., above ground cabinets, underground utility vaults, utility hole, hand hole, etc.) for any purpose.

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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**COMPETITIVE ACCESS SERVICES TARIFF**

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**2. GENERAL REGULATIONS**

**2.1 UNDERTAKING OF THE COMPANY**

**2.1.3 LIABILITY (Cont'd)**

- E. The Company does not guarantee or make any warranty with respect to its services when used in an explosive atmosphere. The Company shall be indemnified, defended and held harmless by the customer from any and all claims by any person relating to such customer's use of services so provided.
- F. No license under patents (other than the limited license to use) is granted by the Company or shall be implied or arise by estoppel, with respect to any service offered under this Tariff. The Company will defend the customer against claims of patent infringement arising solely from the use by the customer of services offered under this Tariff and will indemnify such customer for any damages awarded based solely on such claims.
- G. The Company's failure to provide or maintain services under this Tariff shall be excused by labor difficulties, governmental orders, civil commotions, criminal actions taken against the Company, acts of God and other circumstances beyond the Company's reasonable control, subject to the Credit Allowance for Service Interruptions as set forth in 2.4.5, following.

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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**COMPETITIVE ACCESS SERVICES TARIFF**

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**2. GENERAL REGULATIONS****2.1 UNDERTAKING OF THE COMPANY (Cont'd)****2.1.4 PROVISION OF SERVICES**

The Company, to the extent that such services are or can be made available with reasonable effort, and after provision has been made for the Company's telephone exchange services, will provide to the customer upon reasonable notice services offered in other applicable sections of this Tariff at rates and charges specified therein.

**2.1.5 INSTALLATION AND TERMINATION OF SERVICES**

The services provided under this Tariff (a) will include any entrance cable or drop wiring to that point where provision is made for termination of the Company's outside distribution network facilities at a suitable location at a customer-designated premises and (b) will be installed by the Company to such Point of Termination (POT). Access Service has only one POT per customer premises. Any additional terminations beyond such POT are the sole responsibility of the customer.

**2.1.6 MAINTAINING SERVICES**

The services provided under this Tariff shall be maintained by the Company. The customer or others may not rearrange, move, disconnect, remove or attempt to repair any facilities provided by the Company or contained in a Company-owned facility housing (e.g., above ground cabinets, underground utility vaults, utility hole, hand hole, etc.), except with prior written consent and presence of a Company-designated inspector.

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

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**COMPETITIVE ACCESS SERVICES TARIFF**

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**2. GENERAL REGULATIONS****2.1 UNDERTAKING OF THE COMPANY (Cont'd)****2.1.7 CHANGES AND SUBSTITUTIONS**

- A. Except as provided for equipment and systems subject to F.C.C.'s Part 68 Regulations at 47 C.F.R. Section 68.110(b), the Company may, where such action is reasonably required in the operation of its business, (A) substitute, change or rearrange any facilities used in providing service under this Tariff, including but not limited to, (1) substitution of different metallic facilities, (2) substitution of carrier or derived facilities for metallic facilities used to provide other than metallic facilities and (3) substitution of metallic facilities for carrier or derived facilities used to provide other than metallic facilities, (B) change minimum protection criteria, (C) change operating or maintenance characteristics of facilities or (D) change operations or procedures of the Company.
- B. In case of any such substitution, change or rearrangement, the transmission parameters will be within the range as set forth in this Tariff and associated Technical Publications. The Company shall not be responsible if any such substitution, change or rearrangement renders any customer furnished services obsolete or requires modification or alteration thereof or otherwise affects their use or performance. If such substitution, change or rearrangement materially affects the operating characteristics of the facility, the Company will provide reasonable notification to the customer. Reasonable time will be allowed for any redesign and implementation required by the change in operating characteristics. The Company will work cooperatively with the customer to determine the reasonable notification requirements.

**2.1.8 REFUSAL AND DISCONTINUANCE OF SERVICE**

Provisions for the refusal and discontinuance of service are set forth in 2.4.4, following.

**2.1.9 NOTIFICATION OF SERVICE-AFFECTING ACTIVITIES**

The Company will provide the customer reasonable notification of service-affecting activities that may occur in normal operation of its business. Such activities may include, but are not limited to, equipment or facilities additions, removals or rearrangements, routine preventative maintenance and major switching machine change-out. Generally, such activities are not individual customer service specific, they affect many customer services. No specific advance notification period is applicable to all service activities. The Company will work cooperatively with the customer to determine the reasonable notification requirements.

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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

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**2. GENERAL REGULATIONS****2.1 UNDERTAKING OF THE COMPANY (Cont'd)****2.1.10 COORDINATION WITH RESPECT TO NETWORK CONTINGENCIES**

The Company intends to work cooperatively with the customer to develop network contingency plans in order to maintain maximum network capability following natural or man-made disasters which affect telecommunications services.

**2.1.11 PROVISION AND OWNERSHIP OF TELEPHONE NUMBERS**

The Company reserves the reasonable right to assign, designate or change telephone numbers, any other call number designations associated with Access Services, or the Company serving central office prefixes associated with such numbers, when necessary in the conduct of its business. Should it become necessary to make a change in such number(s), the Company will furnish to the customer reasonable notice of the effective date and an explanation of the reason(s) and extent for such change(s).

**2.1.12 CONFIDENTIAL CUSTOMER INFORMATION**

The Company protects confidential customer information. Where a business has a contract with the Company and access to a dedicated account representative, the Company will verify a person's authority to discuss customer account information through communications with the person claiming to represent the account holder. Where a person seeks access to account information online, an access code will be required. The Company does not use or disclose confidential account information except to provide services or as permitted or required by law.

**2.1.13 SPECIAL TAXES, FEES, CHARGES**

Insofar as practicable, any sales, use, privilege, excise, franchise or occupation tax, costs of furnishing service without charge or similar taxes or impositions now or hereafter levied by the Federal, State, or Local government or any political subdivision or taxing authority thereof may be billed by the Company to its customers on a pro rata basis in the areas wherein such taxes, impositions or other charges shall be levied against the Company.

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

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**COMPETITIVE ACCESS SERVICES TARIFF**

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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% (I)

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**COMPETITIVE ACCESS SERVICES TARIFF**

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**2. GENERAL REGULATIONS**

**2.2 USE**

**2.2.1 INTERFERENCE OR IMPAIRMENT AND UNLAWFUL USE**

- A. The characteristics and methods of operation of any circuits, facilities or equipment provided by other than the Company and associated with the facilities utilized to provide services under this Tariff shall not interfere with or impair service over any facilities of the Company, its affiliated companies, or its connecting and concurring carriers involved in its services, cause damage to their plant, impair the privacy of any communications carried over their facilities or create hazards to the employees of any of them or the public.
- B. Except as provided for equipment or systems subject to the F.C.C.'s Part 68 Rules in 47 C.F.R. Section 68.108, if such characteristics or methods of operation are not in accordance with A., preceding, the Company will, where practicable, notify the customer that temporary discontinuance of the use of a service may be required; however, where prior notice is not practicable, nothing contained herein shall be deemed to preclude the Company's right to temporarily discontinue forthwith the use of a service if such action is reasonable under the circumstances. In case of such temporary discontinuance, the customer will be promptly notified and afforded the opportunity to correct the condition which gave rise to the temporary discontinuance. During such period of temporary discontinuance, Credit Allowance for Service Interruptions as set forth in 2.4.5, following, is not applicable.
- C. The services provided under this Tariff shall not be used for any unlawful purpose.

(Filed under Transmittal No. 11.)

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**COMPETITIVE ACCESS SERVICES TARIFF**

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**2. GENERAL REGULATIONS****2.3 OBLIGATIONS OF THE CUSTOMER****2.3.1 DAMAGES**

The customer shall reimburse the Company for damages to Company facilities for all services utilized to provide services under this Tariff caused by the negligence or willful act of the customer, or resulting from the customer's improper use of the Company facilities, or due to malfunction of any facilities or equipment provided by other than the Company. Nothing in the foregoing provision shall be interpreted to hold one customer liable for another customer's actions. The Company will, upon reimbursement for damages, cooperate with the customer in prosecuting a claim against the person causing such damage and the customer shall be subrogated to the right of recovery by the Company for the damages to the extent of such payment.

**2.3.2 OWNERSHIP OF FACILITIES AND THEFT**

Facilities utilized by the Company to provide service under the provisions of this Tariff shall remain the property of the Company. Such facilities shall be returned to the Company by the customer, whenever requested, within a reasonable period following the request in as good condition as reasonable wear will permit.

**2.3.3 EQUIPMENT SPACE AND POWER**

The customer shall furnish or arrange to have furnished to the Company, at no charge, equipment space and electrical power required by the Company to provide services under this Tariff at the POT of such services. The selection of ac or dc power shall be mutually agreed to by the customer and the Company. The customer shall also make necessary arrangements in order that the Company will have access to such spaces at reasonable times for installing, testing, inspecting, repairing or removing Company services.

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

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**COMPETITIVE ACCESS SERVICES TARIFF**

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**2. GENERAL REGULATIONS****2.3 OBLIGATIONS OF THE CUSTOMER (Cont'd)****2.3.4 AVAILABILITY FOR TESTING**

The services provided under this Tariff shall be available to the Company at times mutually agreed upon in order to permit the Company to make tests and adjustments appropriate for maintaining the services in satisfactory operating condition. Such tests and adjustments shall be completed within a reasonable time. No credit will be allowed for any interruptions involved during such tests and adjustments.

**2.3.5 DESIGN OF CUSTOMER SERVICES**

Subject to the provisions of 2.1.7, preceding, the customer shall be solely responsible, at its own expense, for the overall design of its services and for any redesigning or rearrangement of its services which may be required because of changes in facilities, operations or procedures of the Company, minimum protection criteria or operating or maintenance characteristics of the facilities.

**2.3.6 REFERENCES TO THE COMPANY**

The customer may advise end users that certain services are provided by the Company in connection with the service the customer furnishes to end users; however, the customer shall not represent that the Company jointly participates in the customer's services.

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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**COMPETITIVE ACCESS SERVICES TARIFF**

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**2. GENERAL REGULATIONS****2.3 OBLIGATIONS OF THE CUSTOMER (Cont'd)****2.3.7 CLAIMS AND DEMANDS FOR DAMAGES**

- A. With respect to claims of patent infringement made by third persons, the customer shall defend, indemnify, protect and save harmless the Company from and against all claims arising out of the combining with, or use in connection with, the services provided under this Tariff, any circuit, apparatus, system or method provided by the customer.
- B. The customer shall defend, indemnify and save harmless the Company from and against any suits, claims, losses or damages including punitive damages, attorney fees and court costs by third persons arising out of the construction, installation, operation, maintenance, or removal of the customer's circuits, facilities, or equipment connected to the Company's services provided under this Tariff. Included, without limitation, are Workmen's Compensation claims, actions for infringement of copyright and/or unauthorized use of program material. Also included without limitation are libel and slander actions based on the content of communications transmitted over the customer's circuits, facilities or equipment. In addition, proceedings to recover taxes, fines, or penalties for failure of the customer to obtain or maintain in effect any necessary certificates, permits, licenses, or other authority to acquire or operate the services provided under this Tariff shall be included in the indemnification. However, the foregoing indemnification shall not apply to suits, claims, and demands to recover damages for damage to property, death, or personal injury unless such suits, claims or demands are based on the tortious conduct of the customer, its officers, agents or employees.
- C. The customer shall defend, indemnify and save harmless the Company from and against any suits, claims, losses or damages, including punitive damages, attorney fees and court costs by the customer or third parties arising out of any act or omission of the customer in the course of using services provided under this Tariff.

**2.3.8 COORDINATION WITH RESPECT TO NETWORK CONTINGENCIES**

The customer shall, in cooperation with the Company, coordinate in planning the actions to be taken to maintain maximum network capability following natural or man-made disasters which affect telecommunications services.

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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**COMPETITIVE ACCESS SERVICES TARIFF**

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**2. GENERAL REGULATIONS**

**2.3 OBLIGATIONS OF THE CUSTOMER (Cont'd)**

**2.3.9 JURISDICTIONAL REPORT REQUIREMENTS**

**A. Jurisdictional Determinant**

Pursuant to Federal Communications Commission order F.C.C. 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 (as designated by the called station number) is situated is an intrastate communication and every call for which the point of entry is in a state other than that where the called station (as designated by the called station number) is situated is an interstate communication.

To determine the jurisdiction of a call, the Company compares the originating number information with the terminating number information. Traffic without sufficient call detail shall be that traffic for which the originating number information lacks a valid Charge Party Number or Calling Party Number.

When mixed interstate and intrastate Access Service is provided on the same Access Service transmission path, all charges between interstate and intrastate are prorated as set forth in 2.3.10, following.

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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

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**2. GENERAL REGULATIONS****2.3 OBLIGATIONS OF THE CUSTOMER****2.3.9 JURISDICTIONAL REPORT REQUIREMENTS (Cont'd)****B. Jurisdictional Requirements**

The customer must indicate a projected Percent of Interstate Use (PIU) factor in a whole number (i.e., a number 0 - 100) when ordering Switched Access Service in a LATA, including EF and DTT Facilities.

**1. Feature Group D (FGD) Service****a. Originating FGD Service**

When a customer orders FGD Switched Access Service, where the jurisdiction is determined from the call detail, the Company will develop the projected PIU factor according to such jurisdiction. The projected interstate percentage is developed on a monthly basis, by end office, when the originating FGD access minutes are measured, by dividing the measured interstate originating access minutes by the total originating access minutes.

**b. Terminating FGD Service**

When a customer orders terminating FGD, if the Company has sufficient call details to determine the jurisdiction for the call, the Company will bill the call minutes of use according to that jurisdiction.

When terminating call details are insufficient to determine the jurisdiction for the call, the customer may supply the projected PIU factor by LATA[1]. The projected PIU factor will be used to apportion the terminating call minutes for which call details were insufficient to determine jurisdiction between the interstate and intrastate jurisdictions.

When terminating call details are insufficient to determine the jurisdiction, and the customer does not supply a projected PIU factor by LATA, calls will be billed using a PIU of 50 (50% interstate – 50% intrastate).

[1] When the customer reports a LATA-level PIU factor, the specified percentage applies to all end offices within the LATA.



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**COMPETITIVE ACCESS SERVICES TARIFF**

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**2. GENERAL REGULATIONS****2.3 OBLIGATIONS OF THE CUSTOMER****2.3.9 JURISDICTIONAL REPORTS REQUIREMENTS****B. (Cont'd)****2. Entrance Facility (EF) and Direct-Trunked Transport (DTT) Facility**

For EF and DTT facilities, the customer has the following jurisdiction options; 1) allow the Company to develop the projected LATA-level PIU factor using a mechanized program as set forth in a., following or 2) provide the Company with a projected LATA-level PIU factor via a quarterly jurisdictional report as set forth in b., following.

Customers initially ordering Switched Access Services in the LATA for the first time, shall provide on the access order a LATA-level PIU factor for new EF and DTT facilities based on all the originating and terminating traffic using such facilities. The Company will use the LATA-level PIU factor from the customer's initial order for service as the LATA-level PIU factor for the Company's mechanized program for the first quarter of new service only. After the first quarter of new service, the Company will develop the LATA-level PIU factor as described in a., following until the Company receives a certified letter from the customer authorizing the Company to develop the projected PIU factor from a customer-provided report as set forth in b., following.

**a. Company-Developed EF and DTT PIU Factor**

The Company-developed LATA-level PIU factors for EF and DTT facilities are updated on a quarterly basis by calculating the customer's average billed Interstate usage for the last three months. The Company will perform the calculation for the revised LATA-level PIU factor no later than the last business day in January, April, July and October, respectively. The Company-developed LATA-level PIU factor will serve as the basis for the customer's next three months' advance billing beginning in February, May, August and November, respectively.

When existing customers order additional EF and DTT facilities for Switched Access Service, the Company will determine the LATA-level PIU factor where jurisdiction can be determined from previously billed usage. The PIU factor is based on the average billed Switched Access Interstate usage per LATA, per customer on a quarterly basis. When the Company is unable to determine the LATA-level PIU factor for EF and DTT facilities for an existing customer because usage data is not being billed to that customer, the Company will apply a default PIU factor of fifty percent (50%).

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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**COMPETITIVE ACCESS SERVICES TARIFF**

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**2. GENERAL REGULATIONS****2.3 OBLIGATIONS OF THE CUSTOMER****2.3.9 JURISDICTIONAL REPORTS REQUIREMENTS****B.2.a.(Cont'd)**

The PIU factor is expressed as a whole number (i.e., a number 0 - 100). The PIU factor is used by the Company to determine interstate and intrastate rates and charges. The PIU factor is applied to all rate elements associated with EF and DTT facilities. This PIU factor is in addition to the PIU factors as set forth in 1, preceding.

**b. Customer-Provided EF and DTT PIU Factor**

Customers who choose to provide a projected LATA-level PIU factor for EF and DTT facilities, shall notify the Company by letter (certified U.S. Mail return receipt requested) authorizing the Company to develop the projected LATA-level PIU factor from a customer-provided quarterly report. Customer's choosing to provide a projected LATA-level PIU factor shall base the PIU factor on all the originating and terminating traffic using the EF and DTT facilities in the LATA. The customer-provided jurisdictional report must be received by the Company no later than fourteen (14) days after the first of January, April, July and October in order for the customer-provided PIU factor to serve as the basis for the next three month's advance billing beginning in February, May, August and November, respectively. The Company will program the customer-provided revised PIU factor into the Company's billing data base no later than the last business day in January, April, July and October, respectively. If the customer does not provide the jurisdictional report in time for the Company to program the billing data base, the Company will continue to develop a LATA-level PIU factor for the quarter as the Company's billing data base can only be programmed with one PIU process at a time in the same quarter.

For existing customers who provide a quarterly report and the report is not received by the Company in time for the Company to program the revised LATA-level PIU factor for EF and DTT facilities in the LATA, the Company will assume the EF and DTT PIU factors to be the same as those provided in the last quarterly report and follow the steps as set forth in C., following.

Customers who choose to provide a projected LATA-level PIU factor for EF and DTT facilities shall supply a percentage in a whole number (i.e., a number 0-100) by LATA. The PIU factor is used by the Company to determine interstate and intrastate rates and charges. The PIU factor is applied to all rate elements associated with EF and DTT facilities. This PIU factor is in addition to the PIU factors as set forth in 1., preceding.

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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**COMPETITIVE ACCESS SERVICES TARIFF**

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**2 GENERAL REGULATIONS****2.3 OBLIGATIONS OF THE CUSTOMER****2.3.9 JURISDICTIONAL REPORT REQUIREMENTS****B.2.b. (Cont'd)**

Customers may request to change from a quarterly customer-provided LATA-level PIU factor to a Company-developed LATA-level PIU factor for their EF and DTT facilities in the LATA. The customer must notify the Company (by certified U. S. Mail, return receipt requested) no later than fourteen (14) days after the first of January, April, July and October in order for the Company-developed LATA-level PIU factor as set forth in a., preceding to serve as the basis for the next three months' advance billing beginning in February, May, August and November, respectively. The Company will program the PIU factor into the Company's billing data base no later than the last business day of January, April, July and October for the advance quarterly billing beginning in February, May, August and November, respectively. If the customer does not notify the Company in time for the Company to program the billing data base with the Company-developed LATA-level PIU factor, the customer must continue to provide a quarterly jurisdictional report for the quarter as the Company's billing data base can only be programmed with one PIU process at a time in the same quarter.

**3. Tandem-Switched Transport**

For Tandem-Switched Transport, rates and charges will be apportioned by the Company between interstate and intrastate based upon the PIU factor for the serving arrangement (Feature Group), as set forth in 1., preceding.

**4. 8XX Origination Transit Service**

Upon ordering 8XX Origination Transit Service, the customer shall provide the Company a projected PIU factor in a whole number for the amount of traffic that the customer may originate for each LATA. The projected PIU factor is used by the Company until a revised report is received.

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

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**COMPETITIVE ACCESS SERVICES TARIFF**

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**2. GENERAL REGULATIONS****2.3 OBLIGATIONS OF THE CUSTOMER****2.3.9 JURISDICTIONAL REPORT REQUIREMENTS (Cont'd)****C. Jurisdictional Reports****1. Percent Interstate Use (PIU) Factor**

Except where Company measured access minutes are used as set forth in B.1., preceding, the customer-provided PIU factor will be used until the customer reports a different projected PIU factor based on the following guidelines.

- a. The customer may update the PIU factor via jurisdictional report on a quarterly basis. The customer shall report the PIU factor by traffic and service type for each LATA. The customer shall forward to the Company a revised report, to be received no later than fourteen (14) days after the first of January, April, July and October. The revised report shall show the PIU factor for the most current data available, for each service arranged for interstate use. This data shall consist of at least three (3) and no more than twelve (12) consecutive months' of data, ending no more than seventy-five (75) days earlier than the date the report is due (e.g., for the report due January 15th, the last month of data should be no earlier than October 31st). The updated PIU factor shall be based on call detail records. The PIU factor can be based on a statistically valid sample. The PIU factor reported in January, April, July and October will be effective on the bill date of each such month and will serve as the basis for subsequent monthly billing pending the receipt of a revised PIU report.
- b. No prorating or back billing will be done based on the jurisdictional report. However, usage will be billed utilizing the interstate percentage that was in effect at the time the usage was generated.
- c. The customer shall maintain and retain the work papers that show how the interstate percentage was determined and a summary derived from the actual call detail records for a minimum twelve (12) month period which statistically substantiates each interstate percentage provided to the Company. This summary at a minimum shall include month, year, state, traffic type (e.g., originating, terminating, 8XX, etc.) and service type. The Company may request the work papers and summary in support of the customer's projected PIU factor.

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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

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**2. GENERAL REGULATIONS****2.3 OBLIGATIONS OF THE CUSTOMER****2.3.9 JURISDICTIONAL REPORT REQUIREMENTS****C.1. (Cont'd)**

- d. The Company may request the actual call detail records or a statistically valid sample of such records, on a prospective basis, not to exceed a consecutive three-month period. The actual call detail records will be used to statistically substantiate the interstate percentage provided to the Company and the process by which it is developed. Such call detail records shall consist of call information, including call terminating address (i.e., called number), call duration, the trunk group number(s), or access line number(s) over which the call is routed and the point at which the call enters the customer's network. The Company will not request such data more than once a year.
- e. If quarterly reports are not supplied by the customer, the following steps will be taken by the Company:
  - (1) If the customer does not supply the reports, the Company will assume the PIU factors to be the same as those provided in the last quarterly report. For those cases in which a quarterly report has never been received from the customer, the Company will assume the PIU factors to be the same as those provided in the order for service as set forth in B., preceding. In any case, the Company reserves the right to request actual call detail supporting the customer's reported PIU, as specified preceding.
  - (2) If a quarterly report has never been received from the customer, and the customer failed to report a PIU in the order for service, the Company will designate a fifty percent (50%) interstate percentage beginning with the next billing period. This interstate percentage will be applied until a quarterly PIU report is submitted.

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

ISSUED BY Mark Brinton  
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Denver, CO 80202

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**2. GENERAL REGULATIONS****2.3 OBLIGATIONS OF THE CUSTOMER****2.3.9 JURISDICTIONAL REPORT REQUIREMENTS (Cont'd)****D. Jurisdictional Report Dispute and Auditing Procedures**

If a billing dispute arises concerning the projected interstate percentage, the Company will ask the customer to provide the data the customer uses to determine the projected interstate percentage as described in 1., following.

**1. Switched Access Services**

- a. If the Company questions the information provided by the customer in C., preceding, the Company will send a letter to the customer (by certified U.S. Mail, return receipt requested) requesting that the customer contact the Company to discuss and explain their report within thirty (30) days of the Company's request.
- b. If no response is received from the customer, the Company will send a letter to the customer (by certified U.S. Mail, return receipt requested) requesting the work papers and summary as described in C., preceding, used by the customer to substantiate the most recent interstate percentage. The requested information must be submitted by the customer to the Company within thirty (30) days after receipt of the certified letter.
- c. If the customer submits the work papers and summary as requested in b., preceding, the Company will review this information within thirty (30) days after receipt of the customer's information.
- d. If after review of the documentation, the Company and the customer establish a revised interstate percentage, the Company will begin using that percentage with the next billing period.

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

ISSUED BY Mark Brinton  
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**2. GENERAL REGULATIONS****2.3 OBLIGATIONS OF THE CUSTOMER****2.3.9 JURISDICTIONAL REPORT REQUIREMENTS****D.1. (Cont'd)**

- e. If the Company and the customer do not establish a revised interstate percentage, the Company will begin the procedures as set forth in g., following.
- f. If no response is received from the customer, the Company will begin the auditing procedures as set forth in g., following, and notify the Commission.
- g. When jurisdictional reports are not provided by the customer or a billing dispute arises, the Company may request an audit. The audit procedures and responsible party(ies) for payment of audit expenses will be determined as follows:
  - If the Company and the customer mutually agree upon an independent auditing firm and the party(ies) agree to equally share in the payment of audit expenses, both the Company and the customer will be bound by such agreement; or
  - The customer may select an independent auditing firm and pay all audit expenses.
  - If the audit is not conducted as set forth preceding, the Company may select an independent auditing firm and pay all expenses.
- h. The Company will adjust the customer's PIU based upon the audit results. The PIU resulting from the audit shall be applied to the usage for the quarter the audit is completed, the usage for the quarter prior to completion of the audit and the usage for the two (2) quarters following the completion of the audit. After that time, the customer may report a revised PIU pursuant to C., preceding. The Company will implement the revised interstate percentage to the next billing period or quarterly report date, whichever is first.

**2. Jurisdictional Report Proprietary Information**

The data the customer provides to the Company to support their interstate percentage is considered proprietary to the customer. The Company agrees to use and protect such information by exercising the same degree of care normally used to protect its own proprietary information.

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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

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**2. GENERAL REGULATIONS****2.3 OBLIGATIONS OF THE CUSTOMER****2.3.9 JURISDICTIONAL REPORT REQUIREMENTS****D. Jurisdictional Report Dispute and Auditing Procedures (Cont'd)****3. Contested Audits**

- a. When a jurisdictional audit is conducted by the Company or an independent auditing firm selected by the Company, the audit results will be furnished to the customer by certified U.S. Mail (return receipt requested). The customer may contest the audit results by providing written notification (by certified U.S. Mail, return receipt requested), to the Company within fifteen (15) calendar days from the date the audit report is furnished to the customer by certified U.S. Mail (return receipt requested). When a jurisdictional audit is conducted by an independent auditing firm selected by the customer, the audit results will be furnished to the Company by certified U.S. Mail (return receipt requested). The Company may contest the audit results by providing written notification (by certified U.S. Mail, return receipt requested), to the customer within fifteen (15) calendar days from the date the audit report is furnished to the Company by certified U.S. Mail (return receipt requested).
- b. Contested audits will be resolved by the Company and the customer within thirty (30) days of written notification. If the dispute cannot be resolved by the customer and the Company, either party reserves the right to refer the matter to the Commission for resolution or use a mutually agreed upon neutral arbitrator as described in c. through e., following. The Commission retains jurisdiction over the matter of this dispute. During the initial thirty (30) day resolution period, the Company and the customer will review the audit process and the data used to calculate the PIU factor in an attempt to resolve the dispute. Should the Company and the customer resolve the dispute on the PIU factor, a neutral arbitrator would not be warranted.

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

ISSUED BY Mark Brinton  
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**2. GENERAL REGULATIONS****2.3 OBLIGATIONS OF THE CUSTOMER****2.3.9 JURISDICTIONAL REPORT REQUIREMENTS****D.3. (Cont'd)**

- c. Contested audits will be resolved by a neutral arbitrator mutually agreed upon by the Company and the customer. The arbitration hearing will be conducted in Denver, Colorado or a site that is mutually agreed upon by both parties. The arbitration proceeding, including the decision rendered, shall be governed by the law (both statutory and case) of the state in which the arbitration hearing is held, including but not limited to the Uniform Arbitration Act as adopted in that state.
- d. Prior to the arbitration hearing, each party shall notify the arbitrator of the PIU factor which that party believes to be correct. The arbitrator, in deciding, may adopt the PIU factor of either party or may adopt a PIU factor different from those proposed by the parties.
- e. If the arbitrator adopts a PIU factor proposed by one of the parties, the other party (whose PIU factor was not adopted) shall pay all costs of the arbitration. If the arbitrator adopts a PIU factor higher than the PIU factors proposed by both parties, then the party proposing the lower PIU factors shall pay all costs of the arbitration. If the arbitrator adopts a PIU factor lower than the PIU factor proposed by both parties, then the party proposing the higher PIU factor shall pay all costs of the arbitration. If the arbitrator adopts a PIU factor which falls between the two factors proposed by the parties, then the parties shall each pay one-half of the arbitration costs.
- f. Absent written notification, within the time frame as set forth preceding, audit results cannot be contested and the Company will adjust the customer's PIU factor based upon the audit results as set forth in C., preceding.

**E. Application of PIU**

When the Access Service is not available in the interstate jurisdiction, the PIU factor must be zero percent (0%).

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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

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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 and compensation of VoIP-PSTN Traffic that is required to be compensated at 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.

(C)  
(C)

The FCC released its Second Order of Reconsideration in WC Docket No. 10-90, etc., FCC Release No. 12-47 (April 25, 2012) which temporarily modified the compensation of originating VoIP-PSTN Traffic on a prospective basis. Upon receipt, validation and acceptance of the Percent VoIP Usage factor, originating VoIP-PSTN Traffic will be compensated as follows:

(N)

- Between the Initial Implementation date described in 2.3.10.F.2 and July 12, 2012, the applicable rate elements used in providing originating access for VoIP-PSTN Traffic and associated facilities will be billed according to interstate access rates.
- Effective July 13, 2012 the applicable rate elements used in providing originating access for intrastate VoIP-PSTN Traffic and associated facilities will be billed according to intrastate access rates. The applicable rate elements used in providing originating access for interstate VoIP-PSTN Traffic and associated facilities will be billed according to interstate access rates.
- Effective July 1, 2014 the applicable rate elements used in providing originating access for intrastate VoIP-PSTN Traffic and associated facilities will be billed according to interstate access rates.
- After the Initial Implementation date described in 2.3.10.F.2, terminating VoIP-PSTN Traffic and associated facilities will be billed according to interstate access rates.

(N)

(M) Material moved to Page 2-22.2.

(Filed under Transmittal No. 20.)

Issued: July 12, 2012

Effective: July 13, 2012

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

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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)**

VoIP-PSTN Traffic and associated facilities identified in accordance with this tariff section will be billed at rates equal to the Company's applicable tariffed interstate switched access rates when applicable based on the schedule shown above.

(C)(M)

(C)

(C)

**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.

(M)

b. The Company will use intrastate average data and the customer provided Facility PVU to determine the monthly recurring credit for terminating VoIP-PSTN Traffic.

(N)

(N)

c. 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.

(T)(M)

d. 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.

(T)

e. The customer shall not modify their reported PIU factor to account for VoIP-PSTN Traffic.

(T)

(M)

f. The customer will calculate and furnish to the Company a Facility PVU factor representing the whole number percentage of the customer's total monthly recurring switched transport charges that are associated with the intrastate access MOU included in the PVU factor.

(N)

(N)

(M) Material moved from Page 2-22.1.

(M1) Material moved to Page 2-22.3.

(Filed under Transmittal No. 20.)

Issued: July 12, 2012

Effective: July 13, 2012

ISSUED BY Mark Brinton  
 Manager – Public Policy  
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**COMPETITIVE ACCESS SERVICES TARIFF**

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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)**

- g. Both the customer provided originating PVU and the terminating PVU and the Facility 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. (T)(M)(C)
- h. The customer shall retain the call detail, work papers, and information used to develop the PVU factors for a minimum of one year. (T)
- i. If the Customer does not furnish the Company with a PVU factor, the Company will utilize a PVU equal to zero. (T)

**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.

(M)

(M1)

(M) Material moved from Page 2-22.2.

(M1) Material moved to Page 2-22.4.

(Filed under Transmittal No. 20.)

Issued: July 12, 2012

Effective: July 13, 2012

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

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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, or customer's refusal to provide the data and information to support the PVU factors.
  - 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.

(M)

(T)  
(C)  
(C)

(M)

(M1)

(M) Material moved from Page 2-22.3.

(M1) Material moved to Page 2-22.5.

(Filed under Transmittal No. 20.)

Issued: July 12, 2012

Effective: July 13, 2012

ISSUED BY Mark Brinton  
 Manager – Public Policy  
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**COMPETITIVE ACCESS SERVICES TARIFF**

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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.

(M)

- 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 and associated facilities for all contested periods using the most recent undisputed PVU factors reported by the customer. If no undisputed PVU factors exist, then PVU factors of zero percent will be used for all contested periods. These PVU factors will remain in effect until the audit can be completed.

(C)

(C)

- 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.

(M)

- 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.

(M) Material moved from Page 2-22.4.

(Filed under Transmittal No. 20.)

Issued: July 12, 2012

Effective: July 13, 2012

ISSUED BY Mark Brinton  
Manager – Public Policy  
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**2. GENERAL REGULATIONS****2.3 OBLIGATIONS OF THE CUSTOMER (Cont'd)****2.3.10 DETERMINATION OF INTRASTATE CHARGES FOR MIXED INTERSTATE AND INTRASTATE ACCESS SERVICE****A. PIU**

When mixed interstate and intrastate Access Service is provided, all charges (i.e., nonrecurring, monthly and/or usage) including optional features charges, will be prorated between interstate and intrastate. The PIU factor provided in the jurisdictional reports as set forth in 2.3.9, preceding, will serve as the basis for prorating the charges. The percentage of an Access Service to be charged as intrastate is applied in the following manner:

1. For monthly and nonrecurring chargeable rate elements, multiply the percent intrastate use times the quantity of chargeable elements times the stated tariff rate per element. In the event that the customer has provided a separate percent interstate use for terminating access for FGD, the projected PIU factor for originating access minutes of use will be used to determine the apportionment of charges.
2. For usage sensitive (i.e., access minutes and calls) chargeable rate elements, multiply the percent intrastate use times actual use (i.e., measured or Company assumed average use) times the stated tariff rate.

The PIU factor will change as revised usage reports are submitted as set forth in 2.3.9, preceding.

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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

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**2. GENERAL REGULATIONS**

**2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES**

**2.4.1 PAYMENT OF RATES, CHARGES AND DEPOSITS**

**A. Deposits**

1. The Company may, in order to safeguard its interests, require an applicant to make a suitable deposit to be held by the Company as a guarantee of the payment of charges.
2. For Access Service, a deposit will be required under the following conditions:
  - a. Applicant has had no previous Access Service; or
  - b. Applicant does not have verifiable credit with any Qwest Communications Company anywhere within the region in the same or similar business; or
  - c. Applicant has had previous verifiable Access Service with the Company but has an outstanding and unpaid bill for Access Service; or has not established satisfactory credit. Satisfactory credit for an Access Service customer is defined as twelve consecutive months of service without a suspension of service for nonpayment or with no more than one notification of intent to suspend service for nonpayment.
  - d. Applicant for nonresidential service will be given credit for previous nonresidential service only if the applicant is same business entity to which such service was previously accorded.

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

ISSUED BY Mark Brinton  
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1801 California Street, 9<sup>th</sup> Floor  
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**COMPETITIVE ACCESS SERVICES TARIFF**

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**2. GENERAL REGULATIONS**

**2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES**

**2.4.1 PAYMENT OF RATES, CHARGES AND DEPOSITS**

**A. Deposits (Cont'd)**

3. An initial deposit or an additional deposit will be required of an existing customer when high risk is indicated and existing security is insufficient. Such requirement will be imposed when payment history includes a suspension of service for nonpayment, or includes more than one notification of intention to suspend service for nonpayment during the previous twelve month period.
4. The Company reserves the right to provide for installment payment of the deposit if the circumstances warrant.
5. Any deposit required of an existing customer is due and payable within ten days after the requirement is imposed. This requirement shall be in writing and the payment date shall be on or after the due and payable date for the current bill. If said deposit or installment thereof, as appropriate, is not paid within the aforementioned time frame, the Company may suspend service of the customer without further notice. The following are exceptions to this provision:
  - a. In the event service is suspended for a customer for nonpayment, an initial or additional deposit shall be required prior to the restoration of service if existing security is insufficient.
  - b. In the event prior indebtedness or prior unsatisfactory credit has been determined subsequent to the initial establishment of service due to misrepresentation of the facts by the customer, a deposit shall be due and payable within five days upon verbal notification and written confirmation or within ten days when notification can only be provided in writing. The ten day period shall be measured from the mailed date of the written notice. If said deposit is not paid within the aforementioned time frame, the Company may suspend service to the customer without further notice.

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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

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**2. GENERAL REGULATIONS****2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES****2.4.1 PAYMENT OF RATES, CHARGES AND DEPOSITS****A. Deposits (Cont'd)**

6. The amount of the deposit shall be the estimated charges for the Access Service which will accrue for a 2-month period. All applicants and existing customers shall be treated uniformly for the determination and application of deposits.
7. When it is determined that a deposit is required under the conditions specified above, the applicant or customer may, in lieu of or in addition to making the deposit, arrange for an acceptable third party to guarantee payment of his charges by executing on his behalf a Guarantee of Payment Agreement with the Company. An acceptable third party guarantor for Access Service is a current nonresidential customer with at least two years' continuous service, whose payment history for the most recent twelve month period is satisfactory.
8. The fact that a deposit has been made in no way relieves the customer from complying with the Company's regulations as to advance payments as set forth in B., following, or the prompt payment of bills on presentation.
9. The deposit will bear interest as required by federal law or regulations.
10. When the customer is a candidate for political office or is a person or organization acting on behalf of a candidate for political office the deposit requirement will be adjusted monthly to reflect twice the current month's actual billing. Under these circumstances, a security, i.e., surety bond or bank letter of credit equal to the Company's deposit requirement will be the only acceptable substitutes for a cash deposit.
11. When the service is terminated, the amount of the initial or additional deposit, with any interest due, will be credited to the customer's account and any credit balance which may remain will be refunded. After an existing customer has established satisfactory credit, the amount of the deposit, with any interest due, will be either credited to the account or at the option of the customer, refunded. Satisfactory credit for an Access Service customer is defined as twelve consecutive months of Access Service without a suspension for nonpayment and with no more than one notification of intent to suspend service for nonpayment.

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(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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

**2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES**

**2.4.1 PAYMENT OF RATES, CHARGES AND DEPOSITS (Cont'd)**

**B. Advance Payments**

1. In accordance with the Company's practice of requiring that all regularly recurring charges for services be paid monthly in advance, an applicant for service may be required to pay in advance at the time application for service is made, the nonrecurring charges applicable, together with at least one month's charges for the services applied for, and where necessary, in the opinion of the Company, the estimated amount of construction charges.
2. The amount of the advance payment will be credited to the customer's account and applied to any indebtedness under the contract for service furnished, and for nonrecurring charges.

**C. The Company shall bill on a current basis all charges incurred by and credits due to the customer under this Tariff attributable to services established or discontinued during the preceding billing period. In addition, the Company shall bill in advance charges for all services to be provided during the ensuing billing period except for charges associated with service usage and for the Federal Government which will be billed in arrears. The bill day (i.e., the billing date of a bill for a customer for Access Service under this Tariff), the period of service each bill covers and the payment date will be as follows:**

1. The Company will establish a bill day each month for each customer account. The bill will cover nonusage sensitive service charges for the ensuing billing period and any known unbilled nonusage sensitive charges. Any known unbilled usage charges for prior periods and any known unbilled adjustments will be applied to this bill. Payment for such bills is due as set forth in 2., following. If payment is not received by the payment due date, as set forth in 2., following, in immediately available funds, a late payment penalty will apply as set forth in 2., following.

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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

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**2. GENERAL REGULATIONS****2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES****2.4.1 PAYMENT OF RATES, CHARGES AND DEPOSITS****C. (Cont'd)**

2. All bills dated as set forth in 1., preceding, for service, provided to the customer by the Company are due (payment due date) by the next bill date (i.e., same date in the following month as the bill date), except as provided herein, and are payable in immediately available funds. If such payment due date would cause payment to be due on a Saturday, Sunday or holiday (i.e., New Year's Day, Independence Day, Labor Day, Thanksgiving Day, Christmas Day, Veteran's Day and a day when Washington's Birthday, Memorial Day or Columbus Day is legally observed), payment for such bills will be due from the customer as follows:
  - a. If such payment due date falls on a Sunday or on a holiday which is observed on a Monday, the payment due date shall be the first non-holiday day following such Sunday or holiday. If such payment due date falls on a Saturday or on a holiday which is observed on Tuesday, Wednesday, Thursday or Friday, the payment due date shall be the last non-holiday day preceding such Saturday or holiday.
  - b. Further, if any portion of the payment is received by the Company after the payment due date as set forth above, or if any portion of the payment is received by the Company in funds which are not immediately available to the Company, then a late payment penalty shall be due to the Company. The late payment penalty shall be the portion of the payment not received by the payment due date times a late factor. The late factor shall be the lesser of:
    - (1) The highest interest rate (in decimal value) which may be levied by law for commercial transactions, compounded daily for the number of days from the payment due date to and including the date that the customer actually makes the payment to the Company, or
    - (2) 0.000407 per day, compounded daily for the number of days from the payment due date to and including the date that the customer actually makes the payment to the Company.

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

ISSUED BY Mark Brinton  
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Denver, CO 80202

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**2. GENERAL REGULATIONS****2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES****2.4.1 PAYMENT OF RATES, CHARGES AND DEPOSITS****C.2. (Cont'd)**

- c. In the event of a billing dispute, the customer must submit a documented claim for the disputed amount. If the claim is submitted within 90 days of the payment due date, any interest credits due the customer upon resolution of the dispute shall be calculated from the bill payment date. If the customer submits a claim for the disputed amount more than 90 days from the payment due date, any interest credits due the customer upon resolution of the dispute shall be calculated from the later of the date the claim was submitted, or the bill payment date. Any undisputed amounts withheld by the customer in conjunction with disputed amounts withheld, shall be subject to the late payment penalty, as set forth in a., preceding. The Company will resolve the dispute and assess interest credits or penalties to the customer as follows:
  - (1) If the dispute is resolved in favor of the Company and the customer has paid the disputed amount on or before the payment due date, no interest credits or penalties will apply.
  - (2) If the dispute is resolved in favor of the Company and the customer has withheld the disputed amount, any payments withheld pending settlement of the dispute shall be subject to the late payment penalty as set forth in a., preceding.
  - (3) If the dispute is resolved in favor of the customer and the customer has withheld the disputed amount, no interest credits or penalties will apply.

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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

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**COMPETITIVE ACCESS SERVICES TARIFF**

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**2. GENERAL REGULATIONS****2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES****2.4.1 PAYMENT OF RATES, CHARGES AND DEPOSITS**

## C.2.c. (Cont'd)

- (4) If the dispute is resolved in favor of the customer and the customer has paid the disputed amount, the customer will receive an interest credit from the Company for the disputed amount times a late factor. The late factor shall be the lesser of:
  - (a) The highest interest rate (in decimal value) which may be levied by law for commercial transactions, compounded daily for the number of days from the date when payment was made or credit claimed in accordance with b., preceding, to and including the payment due date (as set forth in 2., preceding) of the bill that reflects the credit for the disputed amount. In the event that the Company agrees to refund a credit by check or wire transfer, interest will be applied up to and including the date of issuance for either the check or wire transfer.
  - (b) 0.000407 per day, compounded daily for the number of days from the date when payment was made or credit claimed in accordance with b., preceding, to and including the payment due date (as set forth in 2., preceding) of the bill that reflects the credit for the disputed amount. In the event that the Company agrees to refund a credit by check or wire transfer, interest will be applied up to and including the date of issuance for either the check or wire transfer.
- D. Adjustments for the quantities of services established or discontinued in any billing period beyond the minimum period set forth for services in other sections of this Tariff will be prorated to the number of days or major fraction of days based on a 30 day month. The Company will, upon request and if available, furnish such detailed information as may reasonably be required for verification of any bill.
- E. When a rate as set forth in this Tariff is shown to have more than two decimal places, the charges will be determined using the rate shown. The resulting amount will then be rounded to the nearest penny (i.e., rounded to two decimal places).

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

ISSUED BY Mark Brinton  
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Denver, CO 80202

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**COMPETITIVE ACCESS SERVICES TARIFF**

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**2. GENERAL REGULATIONS**

**2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES(Cont'd)**

**2.4.2 MINIMUM PERIODS**

- A. The minimum period for which services are provided and for which rates and charges are applicable is one month unless otherwise specified.
- B. When a service is discontinued prior to the expiration of the minimum period, charges are applicable, whether the service is used or not, as follows:
  - 1. When a service with a one month minimum period is discontinued prior to the expiration of the minimum period, a one month charge will apply at the rate level in effect at the time service is discontinued.
  - 2. When a service with a minimum period greater than one month is discontinued prior to the expiration of the minimum period, the applicable charge will be the lesser of (1) the Company's total non-recoverable costs less the net salvage value for the discontinued service or (2) the total monthly charges, at the rate level in effect at the time service is discontinued, for the remainder of the minimum period.

**2.4.3 CANCELLATION OF AN ORDER FOR SERVICE**

Provisions for the cancellation of an order for service are set forth in Section 5, following.

**2.4.4 CANCELLATION FOR CAUSE**

The Company, by written notice to the customer, may immediately discontinue the furnishing of Access Service without incurring any liability upon:

- A. Nonpayment of any sum due the Company, or
- B. A violation of any condition governing the furnishing of service.

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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

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**COMPETITIVE ACCESS SERVICES TARIFF**

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**2. GENERAL REGULATIONS****2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES (Cont'd)****2.4.5 CREDIT ALLOWANCE FOR SERVICE INTERRUPTIONS****A. General**

A service is interrupted when it becomes unusable to the customer because of a failure of a facility component used to furnish service under this Tariff or in the event that the protective controls applied by the Company result in the complete loss of service by the customer as set forth in 6.5.1, following. An interruption period starts when an inoperative service is reported to the Company, and ends when the service is operative.

Reports of an inoperative service will be taken only from the customer of record for that particular service.

**B. When a Credit Allowance Applies**

In case of an interruption to any service, allowance for the period of interruption, if not due to the negligence of the customer, shall be as follows:

1. For Switched Access Service, other than Entrance Facilities and Direct-Trunked Transport Facilities, no credit shall be allowed for an interruption of less than 24 hours. The customer shall be credited for an interruption of 24 hours or more at the rate of 1/30 of (a) any applicable monthly rates or (b) the assumed minutes of use charge for each period of 24 hours or major fraction thereof that the interruption continues.
2. For Switched Access Entrance Facilities, Direct-Trunked Transport Facilities and any optional multiplexing arrangements associated with such facilities, no credit shall be allowed for an interruption of less than 30 minutes. The customer shall be credited for an interruption of 30 minutes or more at the rate of 1/1440 of the monthly charges for each period of 30 minutes or major fraction thereof that the interruption continues. The monthly charge shall be the total of all the monthly rate element charges associated with that portion of the service (i.e., Entrance Facility, Direct-Trunked Transport Facility and Multiplexer) that is inoperative.
3. The credit allowance(s) for an interruption or for a series of interruptions shall not exceed (a) any applicable monthly rates or (b) the assumed minutes of use charge for the service interrupted in any one monthly billing period.

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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



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**2. GENERAL REGULATIONS**

**2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES**

**2.4.5 CREDIT ALLOWANCE FOR SERVICE INTERRUPTIONS (Cont'd)**

**C. When A Credit Allowance Does Not Apply**

No credit allowance will be made for:

1. Interruptions caused by the negligence of the customer.
2. Interruptions of a service due to the failure of equipment or systems provided by the customer or others.
3. Interruptions of a service during any period in which the Company is not afforded access to the premises where the service is terminated.
4. Interruptions of a service when the customer has released that service to the Company for maintenance purposes, to make rearrangements, or for the implementation of an order for a change in the service during the time that was negotiated with the customer prior to the release of that service. Thereafter, a credit allowance as set forth in B., preceding, applies.
5. Periods when the customer elects not to release the service for testing and/or repair and continues to use it on an impaired basis.
6. Periods of temporary discontinuance as set forth in 2.2.1.B., preceding.
7. An interruption or a group of interruptions, resulting from a common cause, that would amount to an adjustment of less than one dollar.

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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

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**2. GENERAL REGULATIONS****2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES****2.4.5 CREDIT ALLOWANCE FOR SERVICE INTERRUPTIONS (Cont'd)****D. Use of an Alternative Service Provided by the Company**

Should the customer elect to use an alternative service provided by the Company during the period that a service is interrupted, the customer must pay the tariffed rates and charges for the alternative service used.

**E. Temporary Surrender of a Service**

In certain instances, the customer may be requested by the Company to surrender a service for purposes other than maintenance, testing or activity relating to a service order. If the customer consents, a credit allowance will be granted. The credit allowance will be 1/1440 of the monthly rate for each period of 30 minutes or fraction thereof that the service is surrendered. In no case will the credit allowance exceed the monthly rate for the service surrendered in any one monthly billing period.

**2.4.6 REESTABLISHMENT OF SERVICE FOLLOWING FIRE, FLOOD OR OTHER OCCURRENCE****A. Nonrecurring Charges Do Not Apply**

Charges do not apply for the reestablishment of service following a fire, flood or other occurrence attributed to an Act of God provided that:

1. The service is of the same type as was provided prior to the fire, flood or other occurrence.
2. The service is for the same customer.
3. The service is at the same location on the same premises.
4. The reestablishment of service begins within 60 days after Company service is available. (The 60 day period may be extended a reasonable period if the renovation of the original location on the premises affected is not practical within the allotted time period).

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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

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**2. GENERAL REGULATIONS**

**2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES**

**2.4.6 REESTABLISHMENT OF SERVICE FOLLOWING FIRE, FLOOD OR OTHER OCCURRENCE (Cont'd)**

**B. Nonrecurring Charges Apply**

Nonrecurring charges apply for establishing service at a different location on the same premises or at a different premises pending reestablishment of service at the original location.

**2.4.7 TITLE OR OWNERSHIP RIGHTS**

The payment of rates and charges by customers for the services offered under the provisions of this Tariff does not assign, confer or transfer title or ownership rights to proposals or facilities developed or utilized, respectively, by the Company in the provision of such services.

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

ISSUED BY Mark Brinton  
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Denver, CO 80202

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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**

All information necessary for billing, ordering and design coordination will be provided based on the standards in the Multiple Exchange Carriers Access Billing Guidelines (MECAB) and the Multiple Exchange Carriers Ordering and Design Guidelines (MECOD) to ensure that jointly provided Access Services are installed, tested and turned up in a timely manner.

Company and Third Party Carrier will render separate bills as follows:

- Each company involved will accept the order from the customer.
- Each company will provide it's portion of the Transport element and will bill the charges in accordance with its Access Service Tariff or contract, if appropriate. All other appropriate charges in each company's tariff are applicable.
- Each company will render bills for nonrecurring charges as they are incurred. Bills for recurring rates will not be rendered until the service ordered can be provided by all of the companies involved.
- Each company will determine the appropriate Transport by computing the airline mileage between the two ends of the Transport element using the V & H methods as set forth in 6.7.7, following.
- Each company will determine the rate for the airline mileage as set forth above, using it's Tariff. Multiply such rate by the company's billing percentage factor and divide by 100 to obtain the Transport element charges.

The billing percentages will be agreed upon by the companies involved.

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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

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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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(C)

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.

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(C)

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.

(Filed under Transmittal No. 18.)

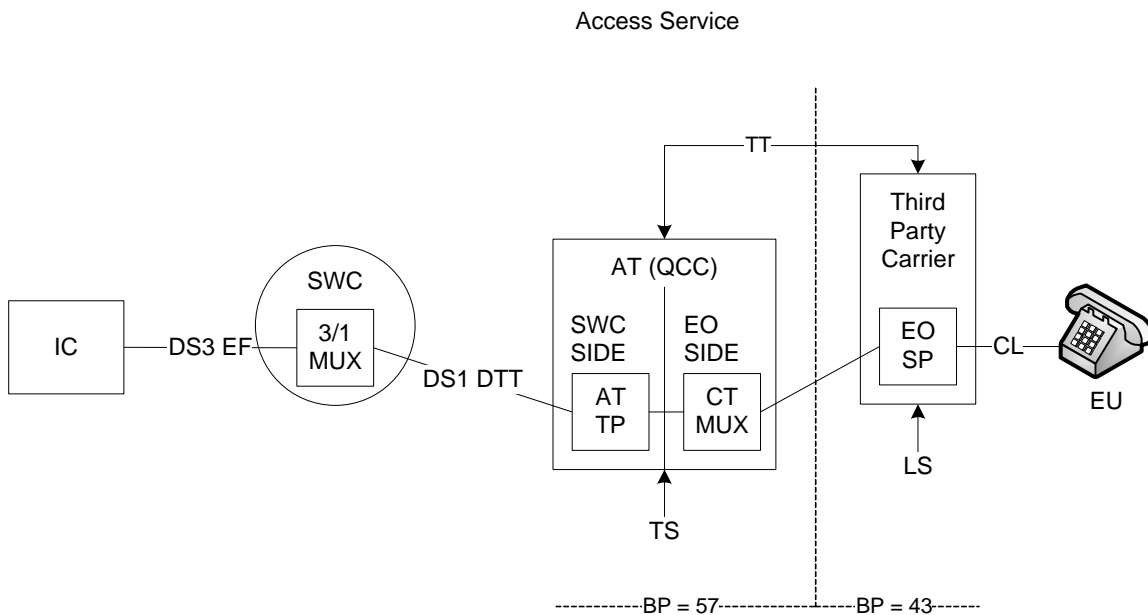
Issued: May 18, 2012

Effective: May 21, 2012

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

**COMPETITIVE ACCESS SERVICES TARIFF****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)**

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



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

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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

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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**

**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.
- f. The end office is associated with the Third Party Carrier
- g. The BP for Tandem Transmission is 43 for the Third Party Carrier.

(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

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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)****2. Rate elements assessed per Telephone company****a. Company**

- 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. Third Party Carrier**

- 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

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

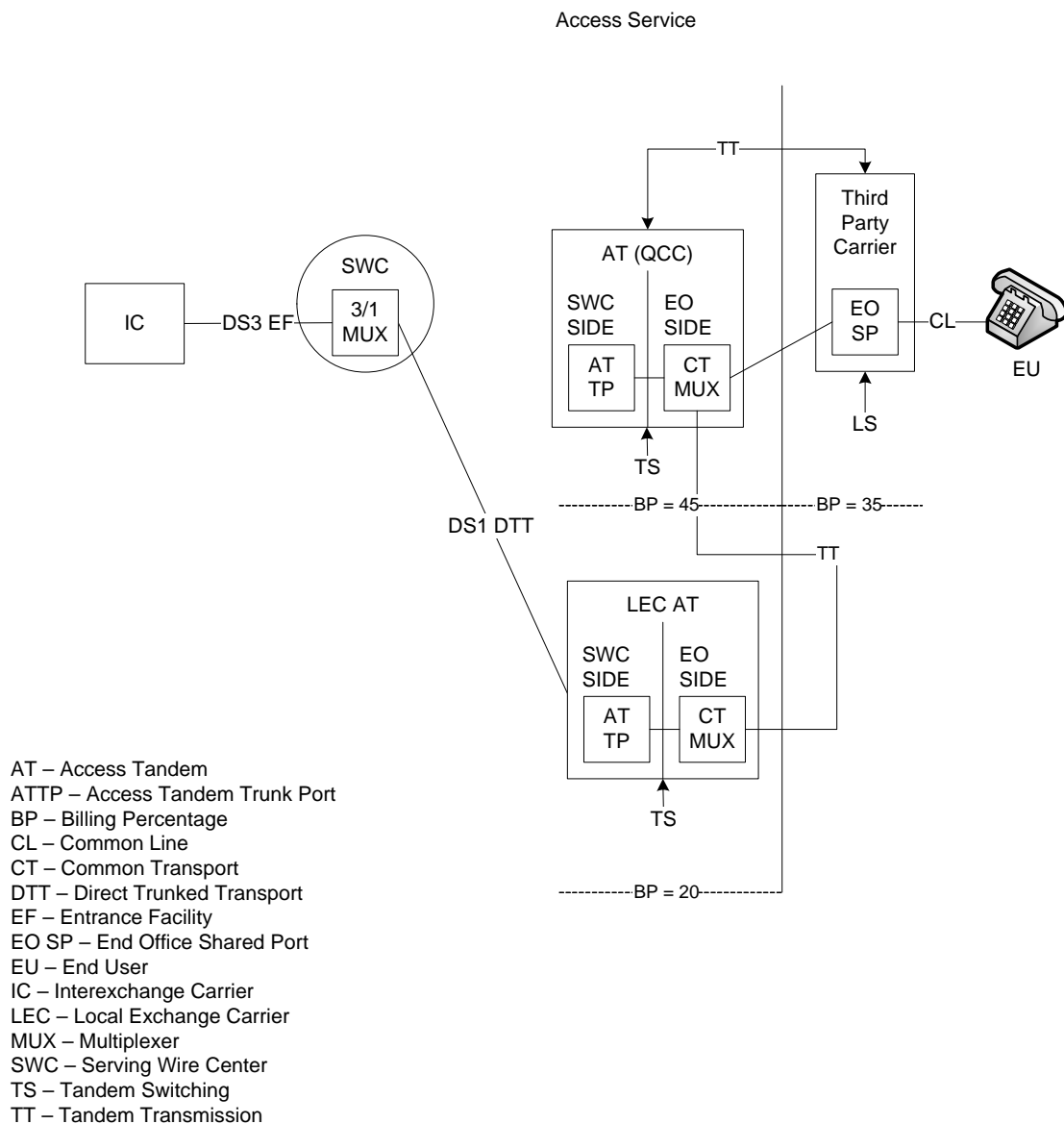
Effective: November 23, 2010

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

- D. Example 2 - Switched Access provisioned by Direct-Trunked Transport and Tandem-Switched Transport via a LEC Tandem



(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

ISSUED BY Mark Brinton  
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 1801 California Street, 9<sup>th</sup> Floor  
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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**

**D. Example 2 - Switched Access provisioned by Direct-Trunked Transport and Tandem-Switched Transport via a LEC Tandem (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 and the serving wire center (SWC) of that premises, are associated with the LEC.
- c. Traffic is routed from the SWC through a LEC AT to the Company's AT.
- d. The customer orders a DS3 Entrance Facility from the customer's premises to the SWC with a 3/1 MUX in the SWC.
- e. The customer orders a DS1 DTT to the LEC AT.
- f. The BP for Tandem Transmission is 45 for the Company.
- g. The BP for Tandem Transmission is 20 for the LEC.
- h. The end office is associated with the Third Party Carrier
- i. The BP for Tandem Transmission is 35 for the Third Party Carrier.

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

ISSUED BY Mark Brinton  
Manager – Public Policy  
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Denver, CO 80202

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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<br>MOU X 0.45 |

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b. LEC Rate Elements

- |                        |  |
|------------------------|--|
| • Entrance Facility    | -100% of DS3 monthly Entrance<br>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<br>MOU X 0.20 |

(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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**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**

D. Example 2 - Switched Access provisioned by Direct-Trunked Transport and Tandem-Switched Transport via a LEC Tandem

2. Rate elements assessed per Telephone Company (Cont'd)

c. Third Party Carrier Rate Elements

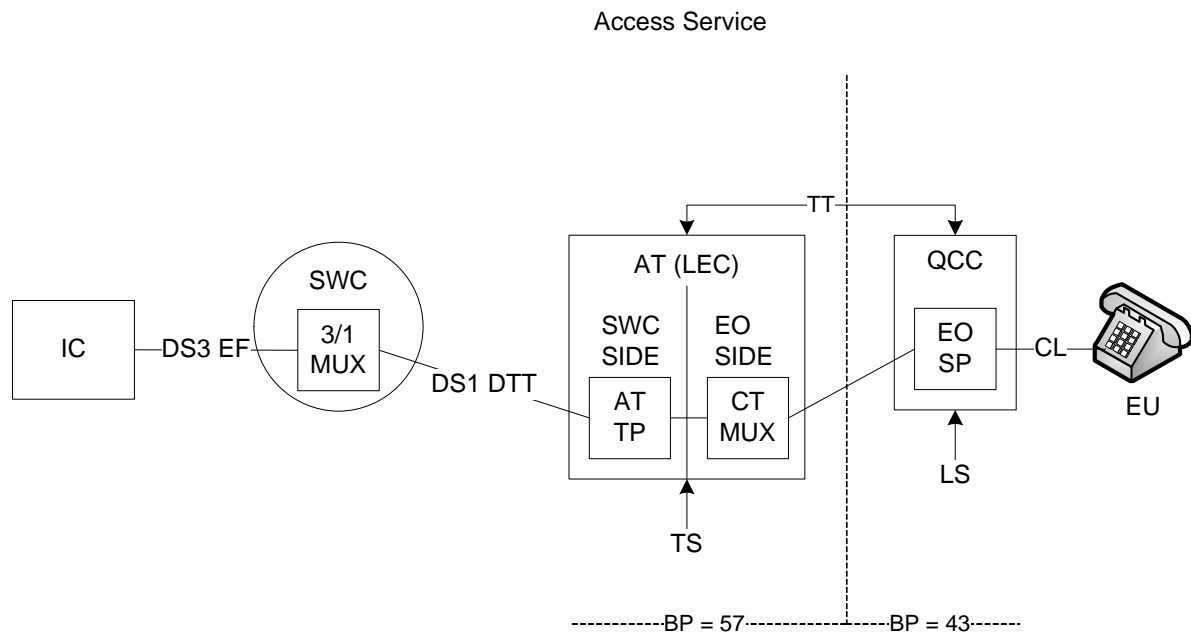
- |                          |  |
|--------------------------|--|
| • Tandem Transmission    | -Fixed rate X MOU X 0.35                         |
| • Tandem Transmission    | -Per-mile rate X number of miles X<br>MOU X 0.35 |
| • Local Switching        | -MOU rate X MOU                                  |
| • End Office Shared Port | -MOU rate X MOU                                  |
| • Common Line            | -MOU rate X MOU                                  |

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

ISSUED BY Mark Brinton  
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Denver, CO 80202

**COMPETITIVE ACCESS SERVICES TARIFF****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  
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(Filed under Transmittal No. 18.)

Issued: May 18, 2012

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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)

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  
Manager – Public Policy  
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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)****2. Rate elements assessed per telephone company**

(N)

**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)

(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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**2. GENERAL REGULATIONS**

**2.5 CONNECTIONS**

**2.5.1 GENERAL**

Equipment and Systems (i.e., terminal equipment, multiline terminating systems and communications systems) may be connected with Switched Access Service furnished by the Company where such connection is made in accordance with Industry Standards.

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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



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**2. GENERAL REGULATIONS****2.6 DEFINITIONS**

Certain terms used herein are defined as follows:

8XX Originating Transit Service

Denotes a toll-free originating Trunkside Access Service when the 8XX service access code (e.g., 800 or 866) is used. The term 8XX is used interchangeably with 8XX Originating Transit Service throughout this Tariff to describe this service.

8XX Service Provider

Denotes a telecommunications company that offers 8XX Service to subscribers.

Access Minutes

Denotes that usage of exchange facilities in intrastate service for the purpose of calculating chargeable usage. On the originating end of an intrastate call, usage is measured from the time the originating end user's call is delivered by the Company to and acknowledged as received by the customer's facilities connected with the originating exchange. On the terminating end of an intrastate call, usage is measured from the time the call is received by the end user in the terminating exchange. Timing of usage at both originating and terminating ends of an intrastate call shall terminate when the calling or called party disconnects, whichever event is recognized first in the originating and terminating exchanges, as applicable.

Access Tandem

Denotes a switching system that provides a concentration and distribution function for originating or terminating traffic between end offices and a customer's POT.

Bit

Denotes the smallest unit of information in the binary system of notation.

Business Day (BD)

Denotes the times of day that a company is open for business. Generally, in the business community, these are 8:00 a.m. to 5:00 p.m., with an hour for lunch, Monday through Friday, resulting in a standard forty (40) hour work week. However, Business Day hours for the Company may vary based on Company policy, union contract and location.

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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

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**COMPETITIVE ACCESS SERVICES TARIFF**

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**2. GENERAL REGULATIONS**

**2.6 DEFINITIONS (Cont'd)**

Call

Denotes a customer attempt for which the complete address code (e.g., 0-, 911, or 10 digits) is provided to the serving dial tone office.

Calling Party Number

Denotes the SS7 Out of Band Signaling parameter which automatically transmits the calling party's ten digit telephone number to the customer's premises for calls originating in the LATA.

Carrier or Common Carrier

See "Interexchange Carrier", "Local Exchange Carrier", "Commercial Mobile Radio Service Provider", "Third Party Carrier".

CCS

Denotes a hundred call seconds, which is a standard unit of traffic load that is equal to 100 seconds of usage or capacity of a group of servers (e.g., trunks).

Channel(s)

Denotes an electrical or photonic, in the case of fiber optic-based transmission systems, communications path between two or more POTs.

Charge Number (CN)

Denotes the SS7 Out of Band Signaling parameter which is equivalent to the ten digit ANI telephone number.

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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

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**COMPETITIVE ACCESS SERVICES TARIFF**

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**2. GENERAL REGULATIONS**

**2.6 DEFINITIONS (Cont'd)**

Channelize

Denotes the process of multiplexing wider bandwidth or higher speed channels into narrower bandwidth or lower speed channels or vice versa.

Commercial Mobile Radio Service (CMRS) Provider

Denotes a common carrier as defined by the Federal Communications Commission subject to the Rules set forth in Section 332 of the Communications Act.

Communications System

Denotes channels and other facilities which are capable of communications between terminal equipment provided by other than the Company.

Contract

Denotes the service agreement between a customer and the Company under which facilities for communication between specified locations, for designated periods, and for the use of the customer and the authorized users specifically named in the contract are furnished in accordance with the provisions of this Tariff.

Customer(s)

Denotes any individual, partnership, association, joint-stock company, trust, corporation, governmental entity or any other entity which subscribes to the services offered under this Tariff based on the Application of Tariff as set forth in 1.1, preceding.

Demarcation Point

See "Point of Termination (POT)".

Direct-Trunked Transport (DTT)

Denotes the transport between the SWC of the customer's premises and a tandem.

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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

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**COMPETITIVE ACCESS SERVICES TARIFF**

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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)**First Point of Switching

Denotes the first Company location at which switching occurs on the terminating path of a call proceeding from the customer's premises to the terminating end office and, at the same time, the last Company location at which switching occurs on the originating path of a call proceeding from the originating end office to the customer's premises.

Frequency Shift

Denotes the change in the frequency of a tone as it is transmitted over a channel.

Immediately Available Funds

Denotes a corporate or personal check drawn on a bank account and funds which are available for use by the receiving party on the same day on which they are received and include U.S. Federal Reserve bank wire transfers, U.S. Federal Reserve notes (paper cash), U.S. coins, U.S. Postal Money Orders and New York Certificates of Deposit.

Individual Case Basis (ICB)

Denotes a condition in which the terms and conditions, if applicable, rates and charges for an offering are developed based on the circumstances in each case.

Interexchange Carrier (IC) or Interexchange Common Carrier

Denotes any individual, partnership, association, joint-stock company, trust, governmental entity or corporation engaged for hire in intrastate communication by wire or radio between two or more exchanges.

Interstate Communications

Denotes both interstate and foreign communications.

Intrastate Communications

Denotes any communications within a state subject to oversight by a state regulatory commission as provided by the laws of the state involved.

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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

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**COMPETITIVE ACCESS SERVICES TARIFF**

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**2. GENERAL REGULATIONS****2.6 DEFINITIONS (Cont'd)**Local Access and Transport Area (LATA)

Denotes a geographic area established for the provision and administration of communications service. It encompasses one or more designated exchanges, which are grouped to serve common social, economic and other purposes.

Local Calling Area

Denotes a geographical area, as defined in the Company's Local Exchange Services Catalog, in which an end user (Telephone Exchange Service subscriber) may complete a call without incurring MTS charges. This includes Extended Area Service Points.

Local Exchange Carrier (LEC)

Local Exchange Carrier (LEC) means any carrier that is engaged in the provision of telephone Exchange Service or Exchange Access. Such term does not include a carrier insofar as such carrier is engaged in the provision of a commercial mobile service under Section 332(c) of the Act, except to the extent that the FCC finds that such service should be included in the definition of such term.

Major Fraction Thereof

Denotes any period of time in excess of 1/2 of the stated amount of time. As an example, in considering a period of 24 hours, a major fraction thereof would be any period of time in excess of 12 hours exactly. Therefore, if a given service is interrupted for a period of thirty six hours and fifteen minutes, the customer would be given a credit allowance for two twenty four hour periods for a total of forty eight hours.

Message

Denotes a "call" as defined preceding.

Milliwatt (102 Type) Test Line

Denotes an arrangement in an end office which provides a 1004 Hz tone at 0 dBm0 for one-way transmission measurements towards the customer's premises from the Company end office.

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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)**

Multiplexing (MUX)

Denotes a method of concentrating information via signal processing techniques (i.e., frequency division, multiplexing, time division multiplexing, etc.)

Nonrecurring Charge

Denotes those charges which are one time charges to the customer, i.e., not monthly charges.

North American Numbering Plan (NANP)

Denotes a numbering scheme which includes a three-digit (Numbering Plan Area) code and a seven-digit telephone number which consists of a three-digit central office code plus a four-digit station number.

Office Replacement

Denotes a situation where the hardware and software in a Company switching office is replaced with different hardware and software for the establishment and maintenance of a given switching office.

Originating Direction

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

Percent Interstate Use (PIU)

The term "Percent Interstate Use" (PIU) refers to traffic that originates in one state and terminates in a different state.

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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

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**2. GENERAL REGULATIONS****2.6 DEFINITIONS (Cont'd)**Point of Termination (POT)

Denotes a point at or near a customer-designated premises at which the Company's responsibility for the provision of Access Service ends.

Premises

Denotes a building, or a portion of a building in a multitenant building, or buildings on continuous property (except railroad rights-of-way, etc.) not separated by a public highway. It may also denote a customer-owned enclosure or utility vault located above ground or underground on private property or on customer acquired right-of-way. This term is not to be limited to one building, but applies as well to a complex, or campus-type configuration of buildings.

Query

Denotes the inquiry to a Company data base to obtain information, processing instructions or service data.

Release Message

Denotes a SS7 message sent in either direction to indicate the release of a specific circuit.

Remote Switching Modules and/or Remote Switching Systems (RSM/RSS)

Denotes small, remotely controlled electronic end office switches which obtain their call processing capability from an ESS-type Host Office. The RSM/RSS cannot accommodate direct trunks to a customer.

Responsible Organization (RESP ORG)

Denotes the entity that is responsible for the management and administration of 800 Data Base Access Service records in the Service Management System according to Guidelines for 800 Data Base.

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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



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**2. GENERAL REGULATIONS****2.6 DEFINITIONS (Cont'd)**Service Control Point (SCP)

Denotes the node in the network where several independent data base applications receive and respond to SS7 queries.

Service Management System/800 (SMS/800)

Denotes the main operations support system of 800 Data Base Access Service and 8XX Access Services. It is used to create and update subscriber 8XX records that are then downloaded to SCPs for handling subscribers' 8XX calls (see Service Control Points). The system is also used by 8XX responsible organizations to reserve and assign 8XX numbers.

Service Switching Point (SSP)

Denotes a signal point equipped with the ability to halt call process, formulate and send a SS7 query to a remote location and route the call based on information contained in the response.

Serving Wire Center (SWC)

Denotes the local office from which dial tone for local exchange service would normally be provided to the customer's premises.

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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  
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**2. GENERAL REGULATIONS****2.6 DEFINITIONS (Cont'd)**Transmission Path

Denotes an electrical path capable of transmitting signals within the range of the service offering, e.g., a voice grade transmission path is capable of transmitting voice frequencies within the approximate range of 300 to 3000 Hz. A transmission path comprises physical or derived channels consisting of any form or configuration of facilities typically used in the telecommunications industry.

Trunk

Denotes a communications path connecting two switching systems in a network, used in the establishment of an end-to-end connection.

Trunk Group

Denotes a set of trunks which are traffic engineered as a unit for the establishment of connections between switching systems in which all of the communications paths are interchangeable.

Trunkside Connection

Denotes the connection of a transmission path to the trunk side of a local exchange switching system.

V and H Coordinates Method

Denotes a method of computing airline miles between two points by utilizing an established formula which is based on the vertical (V) and horizontal (H) coordinates of the two points.

Wire Center

Denotes a building in which one or more central offices, used for the provision of Telephone Exchange Services, are located.

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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

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**3. RESERVED FOR FUTURE USE**

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

ISSUED BY Mark Brinton  
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Denver, CO 80202

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**4. INDIVIDUAL CASE BASIS ARRANGEMENTS**

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(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

ISSUED BY Mark Brinton  
Manager – Public Policy  
1801 California Street, 9<sup>th</sup> Floor  
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**4. INDIVIDUAL CASE BASIS ARRANGEMENTS****4.1 INDIVIDUAL CASE BASIS (ICB) ARRANGEMENTS**

Competitive pricing arrangements at negotiated rates or other terms may be furnished on an individual case basis (ICB) in response to request by customers to the Company, for alternate terms, for proposals or for competitive bids. Service offered under this tariff provision will be provided to the customer pursuant to contract. Unless otherwise specified, the regulations for such arrangements are in addition to the applicable regulations and prices in other sections of this tariff. Specialized rates or charges will be made available to similarly situated customers on a non-discriminatory basis.

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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

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**COMPETITIVE ACCESS SERVICES TARIFF**

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**5. ORDERING OPTIONS FOR ACCESS SERVICE**

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(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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

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**5. ORDERING OPTIONS FOR ACCESS SERVICE****5.1 GENERAL**

This section sets forth the terms, conditions and order related charges for Access Services. These charges are in addition to other applicable charges as set forth in other sections of this Tariff.

An Access Order is an order to provide the customer with any service designated in this Tariff.

**5.1.1 ORDERING CONDITIONS**

The customer shall provide all information necessary for the Company to provide and bill for the requested service including:

- Customer name and premises address(es).
- Billing name and address (when different from customer name and address).
- Customer contact name(s) and telephone number(s).

**5.2 ACCESS ORDER****5.2.1 ACCESS ORDER SERVICE DATE INTERVALS**

Access Service is provided with one of the following Service Date Intervals:

- Standard Interval
- Negotiated Interval

To the extent the service can be made available with reasonable effort, the Company will provide the service in accordance with the Customer's requested interval, subject to the following conditions:

A. Standard Interval:

- The Standard Interval for Switched and Alternate Tandem Transit Access Services will be 45 days.
- Access Services provided under the Standard Interval will be installed during Company business hours.

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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



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**5. ORDERING OPTIONS FOR ACCESS SERVICE****5.2 ACCESS ORDER****5.2.1 ACCESS ORDER SERVICE DATE INTERVALS(Cont'd)****B. Negotiated Interval:**

The Company will negotiate a service date interval with the Customer on an Individual Case Basis (ICB) when:

- There is no standard interval for the service,
- The Customer requests a service date before or beyond the applicable Standard Interval Service Date,
- The Company determines that the service cannot be installed within the Standard Interval.

The Company will offer a Service Date based on the type and quantity of Access Services the Customer has required. All services for which rates are applied on an Individual Case Basis are provided with a Negotiated Interval.

**5.2.2 CANCELLATION OF AN ACCESS ORDER**

A customer may cancel an Access Order upon written notice at least five business days prior to the estimated availability date. The Company may invoice the customer for costs incurred, not to exceed the nonrecurring charges associated with the order.

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

ISSUED BY Mark Brinton  
Manager – Public Policy  
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**5. ORDERING OPTIONS FOR ACCESS SERVICE**

**5.2 ACCESS ORDER(Cont'd)**

**5.2.3 MINIMUM PERIOD**

- A. The minimum period for which service is provided and for which charges are applicable is one month.
- B. When Access Service is disconnected prior to the expiration of the minimum period, charges are applicable for the balance of the minimum period. The Minimum Period Charge for monthly billed services will be determined as follows:
  - The charge for a month or fraction thereof is the applicable minimum monthly charge for the capacity made available to the Customer.
  - All applicable Non-Recurring Charges for the service will be billed in addition to the Minimum Period Charge.

**5.2.4 DISCONTINUANCE OF SERVICE**

A customer may discontinue an Access Service at any time. The Company requires two business days notice to discontinue an Access Service. The notice can be written or verbal; however, a verbal notice must be followed by a written confirmation within ten days. The notice period will begin at the time of a verbal notice. If there is no verbal notice, the notice period begins at the time the written request is received.

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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**

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(Filed under Transmittal No. 18.)

Issued: May 18, 2012

Effective: May 21, 2012

ISSUED BY Mark Brinton  
Manager – Public Policy  
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**6. SWITCHED ACCESS SERVICE**

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(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

ISSUED BY Mark Brinton  
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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.

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.

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  
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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).
- Common Line (described in Section 3, preceding).
- 8XX Origination Transit Service (described in 6.7.1, following).

(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**

**6.1 GENERAL**

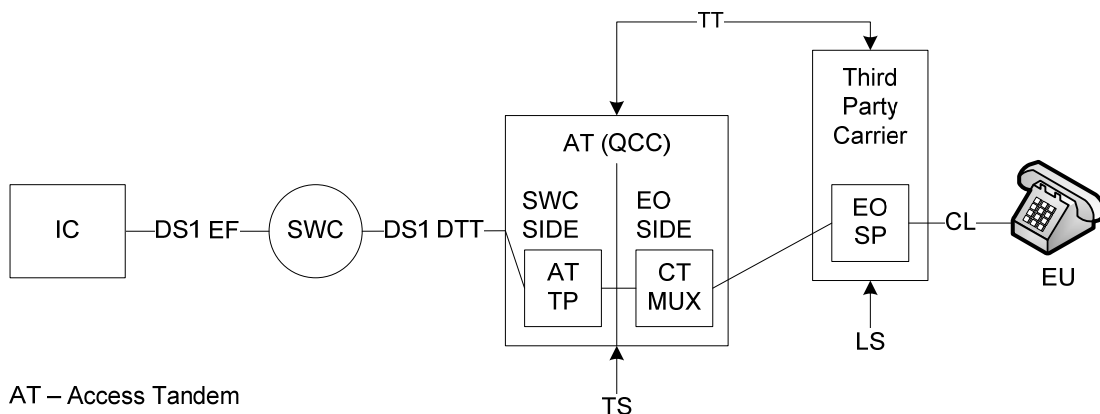
**6.1.2 RATE CATEGORIES (Cont'd)**

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

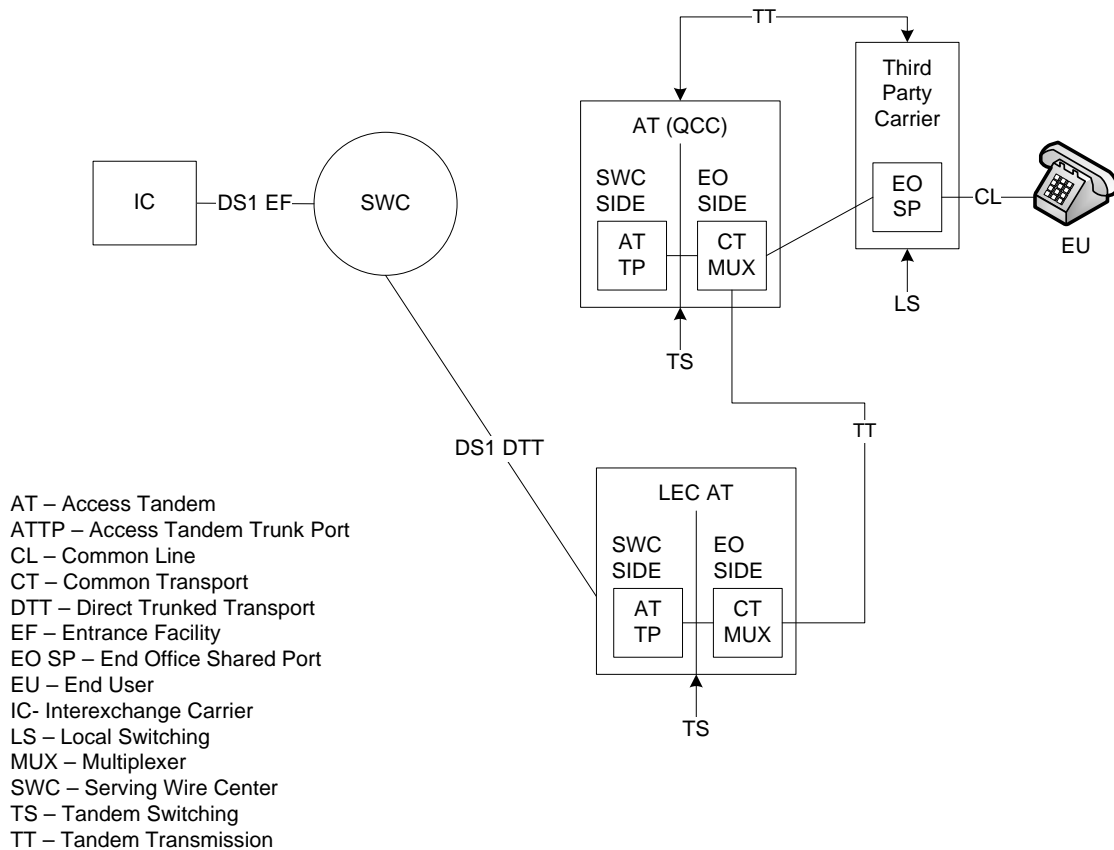
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**6. SWITCHED ACCESS SERVICE****6.1 GENERAL****6.1.2 RATE CATEGORIES (Cont'd)****EXAMPLE 2****Switched Access Service Ordered  
with Tandem Routing**

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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

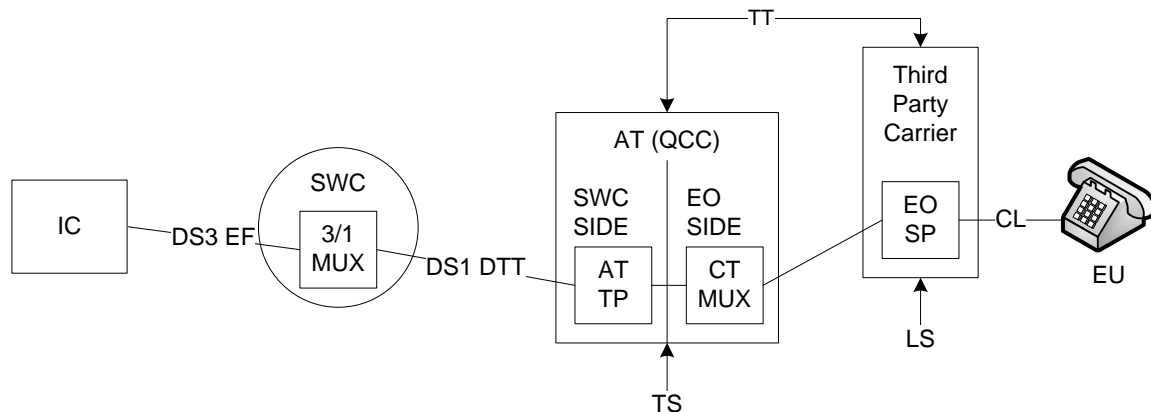
## COMPETITIVE ACCESS SERVICES TARIFF

## 6. SWITCHED ACCESS SERVICE

## 6.1 GENERAL

## 6.1.2 RATE CATEGORIES (Cont'd)

## EXAMPLE 3

Switched Access Service Ordered  
with DS3 EF for DTT and TST, Direct Routing

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

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

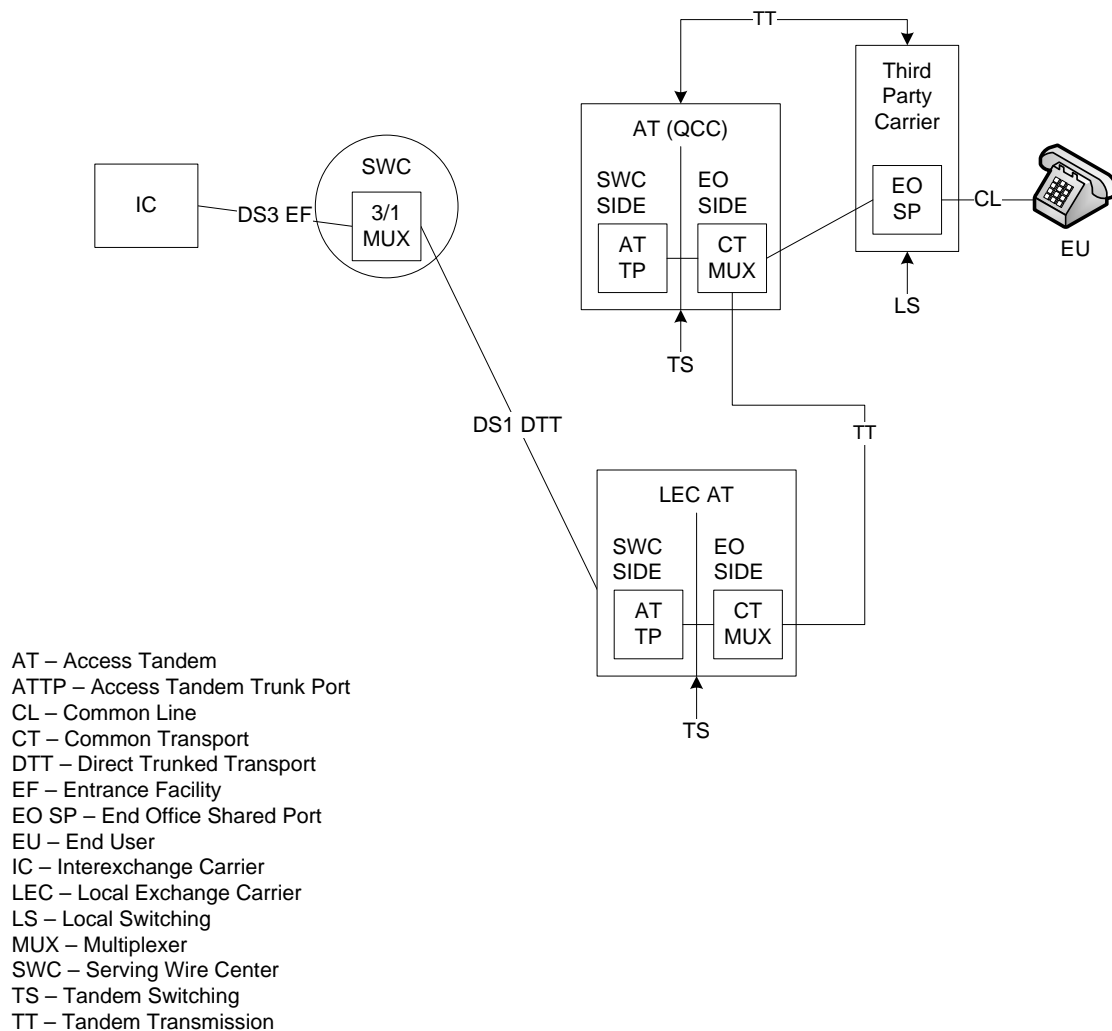
Effective: November 23, 2010

ISSUED BY Mark Brinton  
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**6. SWITCHED ACCESS SERVICE****6.1 GENERAL****6.1.2 RATE CATEGORIES (Cont'd)****EXAMPLE 4****Switched Access Service Ordered  
with DS3 EF for DTT and TST, Tandem Routing**

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

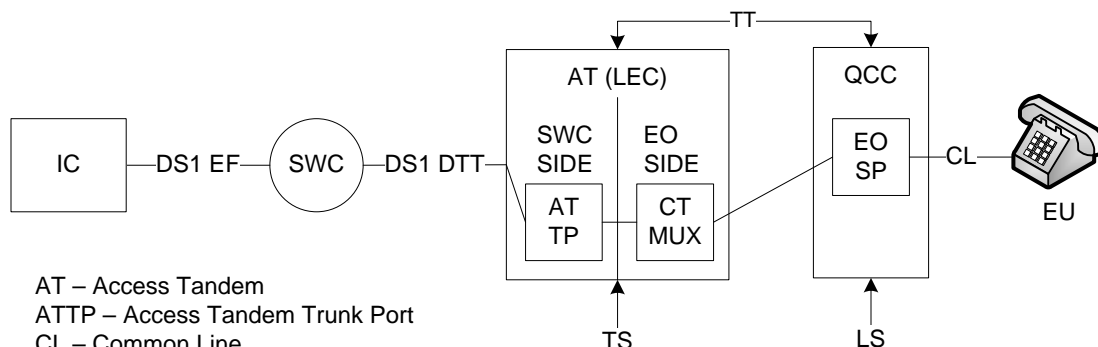
Effective: November 23, 2010

ISSUED BY Mark Brinton  
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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

(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 (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.

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(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  
Denver, CO 80202

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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.2. (Cont'd)

b. DS1 Facility

DS1 facilities are available for Entrance Facilities and for DTT facilities. A DS1 facility is capable of transmitting electrical signals at a nominal 1.544 Mbps, with the capability to channelize up to 24 voice-frequency transmission paths.

c. DS3 Facility

DS3 facilities are available for Entrance Facilities and DTT facilities. A DS3 facility is capable of transmitting electrical signals at a nominal 44.736 Mbps, with the capability to channelize up to 672 voice-frequency transmission paths. An optical interface may be offered where facilities are available.

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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  
Denver, CO 80202

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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.

(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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(N)

(N)

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**6. SWITCHED ACCESS SERVICE****6.1 GENERAL (Cont'd)****6.1.3 ACCEPTANCE TESTING**

At no additional charge, the Company will perform acceptance testing at the time of installation. Acceptance tests will be performed to insure that the service is operational and meets applicable technical parameters. The Company will, at the customer's request, schedule a mutually agreeable time to perform acceptance testing in cooperation with the customer. If the customer is unable to participate in the acceptance testing, or if the customer requests that service installation be completed, without their presence, the service is assumed to be accepted (i.e., blind acceptance) by the customer.

**6.1.4 ORDERING OPTIONS AND CONDITIONS**

Switched Access Service is ordered under the Access Order provisions set forth in Section 5, preceding.

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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**

**6.2 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  
Manager – Public Policy  
1801 California Street, 9<sup>th</sup> Floor  
Denver, CO 80202

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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  
Denver, CO 80202

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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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**COMPETITIVE ACCESS SERVICES TARIFF**

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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.

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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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Denver, CO 80202

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**6. SWITCHED ACCESS SERVICE****6.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE****6.2.2 8XX ORIGATION 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.

(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**

**6.2 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****6.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE****6.2.2 8XX ORIGATION TRANSIT SERVICE (8XX) (Cont'd)**

- C. The Federal Communications Commission (FCC) has directed that the following language be included in this tariff:
1. The Federal Communications Commission ("FCC") has concluded that warehousing, which the FCC defines as Responsible Organizations, either directly or indirectly through an affiliate, reserving toll free numbers from the SMS database without having an identified toll free subscriber for whom those numbers are being reserved, is an unreasonable practice under Section 201(b) of the Communications Act and is inconsistent with the Commission's obligation under Section 251(e) of the Communications Act to ensure that numbers are made available on an equitable basis; and if a Responsible Organization does not have an identified toll free subscriber agreeing to be billed for service associated with each toll free number reserved from the database, or if a Responsible Organization does not have an identified, billed toll free subscriber before switching a number from reserved or assigned to working status, then there is a rebuttable presumption that the Responsible Organization is warehousing numbers. Responsible Organizations that warehouse numbers will be subject to penalties.
  2. The FCC has concluded that hoarding, defined as the acquisition of more toll free numbers than one intends to use for the provision of toll free service, as well as the sale of a toll free number by a private entity for a fee, is contrary to the public interest in the conservation of the scarce toll free number resource and contrary to the FCC's responsibility to promote the orderly use and allocation of toll free numbers.

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

ISSUED BY Mark Brinton  
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Denver, CO 80202

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**6. SWITCHED ACCESS SERVICE****6.3 COMMON SWITCHING OPTIONAL FEATURES**

Following are descriptions of the various optional features that are available in lieu of, or in addition to, the standard features provided with the Switched Access Services. They are provided as Common Switching options.

**6.3.1 COMMON SWITCHING OPTIONS****A. Automatic Number Identification (ANI)**

1. This option provides the automatic transmission of a three or ten digit number and information digits to the customer's premises for calls originating in the LATA, to identify the calling station. The three or ten digit numbers will contain the following information: three digit, NPA only and ten digit, NPA+XXX-XXXX. The ANI feature is an end office software function which is associated on a call-by-call basis with trunk groups between a customer's premises routed through an access tandem.
2. The ten digit ANI telephone number is available with Feature Group D, including 8XX Service. The ten digit ANI telephone number consists of the Numbering Plan Area (NPA) plus the seven digit ANI telephone number.
3. When 8XX Service is ordered, the ten digit ANI telephone number will be transmitted on all calls except those where ANI cannot be provided as stated above or from end offices not equipped to provide ANI.
4. Where ANI cannot be provided, information digits will be provided to the customer.

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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**

**6.3 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  
Manager – Public Policy  
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Denver, CO 80202

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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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1801 California Street, 9<sup>th</sup> Floor  
Denver, CO 80202

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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.

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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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Denver, CO 80202



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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. 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. (C)

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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1801 California Street, 9<sup>th</sup> Floor  
Denver, CO 80202

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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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---

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**6. SWITCHED ACCESS SERVICE****6.6 OBLIGATIONS OF THE CUSTOMER (Cont'd)****6.6.3 TRUNK GROUP MEASUREMENT REPORTS**

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

**6.6.4 DESIGN OF SWITCHED ACCESS SERVICES**

When a customer orders Switched Access Service on a per-facility and/or per-trunk basis, it is the customer's responsibility to assure that sufficient access services have been ordered to handle its traffic.

**6.7 RATE TERMS AND CONDITIONS**

This section contains the specific terms and conditions governing the rates and charges that apply for Switched Access Service.

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

There are three types of rates and charges that apply to Switched Access Service. These are monthly rates, usage rates and nonrecurring charges. These rates and charges are applied differently to the various rate elements as set forth, following. Rates are set forth in Section 7, Rates and Charges.

**A. Monthly Rates**

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

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

ISSUED BY Mark Brinton  
Manager – Public Policy  
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Denver, CO 80202

---

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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)****B. Usage Rates**

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

**C. Nonrecurring Charges**

Nonrecurring charges are one-time charges that apply for a specific work activity (i.e., installation or change to an existing service). The types of nonrecurring charges that apply for Switched Access Service are: installation of service, installation of optional features and service rearrangements. These charges are set forth in Section 7, following.

**1. Installation of Service**

Nonrecurring charges apply for the installation of the individual Feature Group trunk.

- a. Switched Access Service is ordered on a trunk basis, the nonrecurring charge is applied per trunk. If a customer orders multiple trunks on the same Access Order, the first trunk is assessed the "first" installation charge and each additional trunk is assessed the "each additional" installation charge per Access Order.
- b. Nonrecurring charges for FGD Switched Access Service include one Carrier Identification Code (CIC) on an initial Access Order. The CIC is a uniform numeric code that identifies the customer associated with the Switched Access Service. The customer of the initial CIC is the customer of record for the Switched Access Service. When a customer requests two or more CICs on an initial Access Order, each additional CIC (i.e., two or more) is considered to be a service rearrangement as set forth in 3., following.

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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****6.7 RATE TERMS AND CONDITIONS****6.7.1 DESCRIPTION AND APPLICATION OF RATES AND CHARGES****C. Nonrecurring Charges (Cont'd)****2. Installation of Optional Features**

Nonrecurring charges apply for the installation of some of the optional features available with Switched Access Service. The charge applies whether the feature is installed coincident with the initial installation of service or at any time subsequent to the initial installation of service.

**3. Service Rearrangements**

Service rearrangements are changes to existing services installed which do not result in either a change in the minimum period requirements as set forth in 5.2.3, preceding, or a change in the physical location of the POT at a customer's premises or a customer's end user's premises. Changes which result in the establishment of new minimum period obligations are treated as disconnects and starts. Changes in the physical location of the POT are treated as moves and are described and charged for as set forth in 6.7.4, following.

The charge to the customer for the service rearrangement is dependent on whether the change is administrative only in nature or involves an actual technical and/or physical change to the service.

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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**

**6.7 RATE TERMS AND CONDITIONS**

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

C.3. (Cont'd)

- a. Administrative changes will be made without charge(s) to the customer. Administrative changes are as follows:
- Change of customer name, (i.e., the customer of record does not change, but rather the customer of record changes its name, e.g., XYZ Company to XYZ Communications),
  - Change of customer name as the result of a transfer of use of service as set forth in 2.1.2, preceding,
  - Change of customer or customer's end user's premises address when the change of address is not a result of a physical relocation of equipment,
  - Change in billing data (name, address or contact name or telephone number),
  - Change of agency authorization,
  - Change of customer circuit identification,
  - Change of billing account number,
  - Change of customer test line number,
  - Change of customer or customer's end user's contact name or telephone number, and
  - Change of jurisdiction.

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

ISSUED BY Mark Brinton  
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Denver, CO 80202

---

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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  
Manager – Public Policy  
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Denver, CO 80202



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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.b. (Cont'd)

- Nonrecurring charges for additional (i.e., two or more) CICs are determined based on whether the FGD trunk(s) or trunk group(s) are new or existing, and the level of work activity (i.e., trunk, trunk group, and/or tandem).
  - When the trunk or trunk group is new, one CIC is included in the nonrecurring charges for the initial Access Order. Each additional CIC requested on the same Access Order is assessed one-half the "each additional" installation charge assessed. In addition, the charge is based on the lowest level of work, per Access Order, per LATA. The additional (i.e., two or more) CIC service rearrangement charge is in addition to Installation Charge(s) for the trunk(s).
  - When the FGD trunk group is existing service and the customer is requesting additional CICs on an existing tandem-routed trunk group, the customer is charged one-half the "first" installation charge at the tandem. Each "additional" CIC after the "first additional" CIC on the same Access Order is charged one-half the "each additional" installation charge at the tandem, per LATA.

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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

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**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).

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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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**COMPETITIVE ACCESS SERVICES TARIFF**

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

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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.

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**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.

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**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  
Manager – Public Policy  
1801 California Street, 9<sup>th</sup> Floor  
Denver, CO 80202

---

**COMPETITIVE ACCESS SERVICES TARIFF**

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**6. SWITCHED ACCESS SERVICE**

**6.7 RATE TERMS AND CONDITIONS**

**6.7.2 MINIMUM PERIODS**

Minimum periods for Switched Access Service are described in 5.2.3, preceding.

**6.7.3 MINIMUM MONTHLY CHARGE**

- A. Switched Access Service is subject to a minimum monthly charge. The minimum charge applies for the total capacity provided. The minimum monthly charge consists of the following elements:
1. The minimum monthly charge for usage rated elements is the sum of the charges set forth in Section 7, following, for the measured or assumed usage for the month.
  2. For monthly rated elements, the minimum monthly charge is the monthly rate as set forth in Section 7, following.

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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****6.7 RATE REGULATIONS (Cont'd)****6.7.4 MOVES**

A move involves a change in the physical location or reconfiguration of the following:

- The POT of the Entrance Facility (EF) at the customer's premises is moving
- The customer's premises and associated EF is moving
- The DTT facility and associated Trunkside Switched Access Services are reconfigured as set forth in A. and B., following.

The charges for a move or reconfiguration are dependent on whether the move or reconfiguration is within the same SWC, as set forth in A., following. New minimum period requirements will be established for moved or reconfigured services. Any changes to the existing Switched Access facilities, trunks and optional features as they exist at the current location, excluding a change in Circuit Facility Assignment (CFA), made in conjunction with a move or reconfiguration, will be treated as a discontinuance and a start of new service and all associated nonrecurring installation charges will apply. The addition of lines and trunks made in conjunction with a move or reconfiguration will be treated as a start of new service and all associated nonrecurring installation charges and new minimum period requirements will apply. The customer will also remain responsible for satisfying all outstanding minimum period charges for any disconnected service as the result of a move or reconfiguration.

**A. Application of Move Charges Within the Same Serving Wire Center (SWC)**

**1. EF Move to a New Location Within the Same Building, same SWC, for the Same Customer**

The charge for moving an EF to a new location within the same building, same SWC, for the same customer, is one-half of the Move Within the Same SWC charge as set forth in Section 7, following. The first trunk is assessed one-half of the "first" move charge and each additional trunk is assessed one-half of the "each additional" move charge, per Access Order. In addition, one-half of the EF nonrecurring installation charge based on the capacity affected, per POT, per Access Order is assessed.

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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

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**COMPETITIVE ACCESS SERVICES TARIFF**

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**6. SWITCHED ACCESS SERVICE****6.7 RATE REGULATIONS****6.7.4 MOVES****A. Application of Move Charges Within the Same Serving Wire Center (SWC)  
(Cont'd)**

2. Reconfiguration of a DTT Facility and Associated Switched Access Services from an EF of One Customer to an EF of Another Customer, all Within the Same Building, Same SWC

The charge for reconfiguring a DTT facility and associated Switched Access Services from an EF of one customer to (a) an EF of another customer where its customer premises is located within the same building, same SWC, is one-half of the Move Within the Same SWC charge as set forth in Section 7, following. The first trunk is assessed one-half of the "first" move charge and each additional trunk is assessed one-half of the "each additional" move charge, per Access Order. The customer providing the EF is responsible for providing the CFA and is assessed an EF nonrecurring installation charge when a new EF is ordered.

3. EF Move to a Different Building, Same SWC for the Same Customer

The charge for moving an EF to a different building, same SWC, for the same customer is the Move Within the Same SWC charge as set forth in Section 7, following. The first trunk is assessed the "first" move charge and each additional trunk is assessed the "each additional" move charge, per Access Order. In addition, a full EF Nonrecurring Installation charge based on the capacity affected, per POT, per Access Order is assessed.

4. Reconfiguration of a DTT Facility and Associated Trunkside Switched Access Services from an EF of One Customer to an EF of Another Customer Located in a Different Building, Same SWC

The charge for reconfiguring a DTT facility and associated Switched Access Services from an EF of one customer to an EF of another customer where its customer premises is located in a different building, same SWC, is the Move Within the Same SWC charge as set forth in Section 7, following. The first trunk is assessed the "first" move charge and each additional trunk is assessed the "each additional" move charge, per Access Order. The customer providing the EF is responsible for providing the CFA and is assessed an EF nonrecurring installation charge when a new EF is ordered.

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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****6.7 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)

**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  
Manager – Public Policy  
1801 California Street, 9<sup>th</sup> Floor  
Denver, CO 80202



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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).

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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.

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(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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**COMPETITIVE ACCESS SERVICES TARIFF**

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**7. RATES AND CHARGES**

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(Filed under Transmittal No. 22.)

Issued: October 25, 2012

Effective: October 29, 2012

ISSUED BY Mark Brinton  
 Manager – Public Policy  
 1801 California Street, 10th Floor  
 Denver, CO 80202

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**7. RATES AND CHARGES****7.1 GENERAL**

This section contains the rates and charges applicable to the Access Services offered in this tariff.

**7.1.1 RATE TERMS AND CONDITIONS**

The rate terms and conditions applicable to Access Services are found in other sections of the tariff as follows:

- Section 2 – General Regulations
- Section 4 – Individual Case Basis (ICB) Arrangements
- Section 5 – Ordering Options for Access Service
- Section 6 – Switched Access Service

**7.1.2 DESCRIPTION AND APPLICATION OF RATES AND CHARGES**

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

**A. Monthly Rates**

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

**B. Usage Rates**

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

**C. Nonrecurring Charges**

Nonrecurring charges are one-time charges that apply for a specific work activity (e.g. installation or change to an existing service).

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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

---

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**7. RATES AND CHARGES****7.2 ACCESS SERVICES RATES AND CHARGES – QWEST CORPORATION SERVICE AREAS: ARIZONA, COLORADO, MINNESOTA, WASHINGTON****7.2.1 SWITCHED TRANSPORT****A. Entrance Facility**

	<b>MONTHLY RATE</b>	<b>NONRECURRING CHARGE</b>
Electrical Interface		
• Voice Grade, per point of termination	\$ 51.35	\$ 99.00
•DS1, per DS1	84.80	313.25
•DS3, per DS3	1,083.53	313.25
Optical Interface		
•DS3, per DS3	619.68	-

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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

---

**COMPETITIVE ACCESS SERVICES TARIFF**

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**7. RATES AND CHARGES****7.2 ACCESS SERVICES RATES AND CHARGES – QWEST CORPORATION SERVICE AREAS: ARIZONA, COLORADO, MINNESOTA, WASHINGTON****7.2.1 SWITCHED TRANSPORT (Cont'd)****B. Direct-Trunked Transport**

<b>MILEAGE BANDS</b>	<b>MONTHLY RATE</b>	
	<b>FIXED</b>	<b>PER MILE</b>
• Voice Grade		
0	—	—
Over 0 to 8	\$ 20.86	\$ 0.27
Over 8 to 25	21.28	0.15
Over 25 to 50	20.37	0.13
Over 50	24.46	0.29
• DS1		
0	—	—
Over 0 to 8	45.27	6.85
Over 8 to 25	57.70	7.23
Over 25 to 50	62.71	7.55
Over 50	69.05	7.92
• DS3		
0	—	—
Over 0 to 8	186.43	38.70
Over 8 to 25	201.77	24.95
Over 25 to 50	219.84	25.47
Over 50	264.88	32.12

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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

---

**COMPETITIVE ACCESS SERVICES TARIFF**

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**7. RATES AND CHARGES****7.2 ACCESS SERVICES RATES AND CHARGES – QWEST CORPORATION SERVICE AREAS: ARIZONA, COLORADO, MINNESOTA, WASHINGTON****7.2.1 SWITCHED TRANSPORT (Cont'd)****C. Tandem-Switched Transport Usage Rates**

<b>MILEAGE BANDS</b>	<b>RATE PER ACCESS MINUTE</b>	
	<b>FIXED</b>	<b>PER MILE</b>
• Tandem Transmission		
0	—	—
Over 0 to 8	\$0.000240	\$ 0.000030
Over 8 to 25	0.000240	0.000030
Over 25 to 50	0.000240	0.000030
Over 50	0.000240	0.000030
	<b>RATE PER ACCESS MINUTE</b>	
• Tandem Switching Charge	\$0.002252	
• Common Transport Multiplexing	0.000036	
	<b>MONTHLY RATE</b>	
• Access Tandem Trunk Port Charge, Per port	\$6.00	

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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

---

**COMPETITIVE ACCESS SERVICES TARIFF**

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**7. RATES AND CHARGES****7.2 ACCESS SERVICES RATES AND CHARGES – QWEST CORPORATION SERVICE  
AREAS: ARIZONA, COLORADO, MINNESOTA, WASHINGTON****7.2.1 SWITCHED TRANSPORT (Cont'd)****D. Nonrecurring Charges**

	<b>NONRECURRING CHARGE</b>
1. Trunk Installation	
• First trunk	\$412.28
• Each additional trunk	42.64
2. Moves within the Same Serving Wire Center	
Switched Access Service, per trunk	
• First trunk	297.41
• Each additional trunk	10.43

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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

---

**COMPETITIVE ACCESS SERVICES TARIFF**

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**7. RATES AND CHARGES****7.2 ACCESS SERVICES RATES AND CHARGES – QWEST CORPORATION SERVICE  
AREAS: ARIZONA, COLORADO, MINNESOTA, WASHINGTON****7.2.1 SWITCHED TRANSPORT (Cont'd)****E. Optional Features****Multiplexing**

	<b>MONTHLY RATE</b>	<b>NONRECURRING CHARGE[1]</b>
• Entrance Facility, Per arrangement		
- DS1 to Voice Grade	\$199.98	\$ 75.00
- DS3 to DS1	252.37	200.00
• DTT Facility, Per arrangement		
- DS1 to Voice Grade	199.98	75.00
- DS3 to DS1	252.37	200.00

[1] Nonrecurring charges apply when the MUX is not installed at the same time as an Entrance Facility or a DTT facility.

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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



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**COMPETITIVE ACCESS SERVICES TARIFF**

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**7. RATES AND CHARGES****7.2 ACCESS SERVICES RATES AND CHARGES – QWEST CORPORATION SERVICE AREAS: ARIZONA, COLORADO, MINNESOTA, WASHINGTON (Cont'd)****7.2.2 LOCAL SWITCHING**

8XX Origination Transit Service

	<b>RATE</b>
8XX CIC, per call	\$0.004053
Vertical Features:	
- POTS Translation Charge, Per call	0.0020915
- Call Handling and Destination Feature Charge, per query	0.0006853

(Filed under Transmittal No. 11.)

Issued: November 22, 2010

Effective: November 23, 2010

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

---

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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)

(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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**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)

(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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**7. RATES AND CHARGES****7.4 ACCESS SERVICES RATES AND CHARGES – SOUTHWESTERN BELL  
TELECOMMUNICATIONS SERVICE AREAS: KANSAS AND MISSOURI**

(N)

**7.4.1 SWITCHED RECURRING RATES****A. Tandem-Switched Transport Usage Rates****RATE PER ACCESS MINUTE  
FIXED PER MILE**

## • Tandem Transmission:

## Facility Termination

- Originating	\$0.000053	\$0.000003
- Termination	\$0.000053	\$0.000003

**B. Local Switching****RATE PER ACCESS MINUTE**

## • Local End Office Switching:

- Originating	\$0.002563
- Termination	\$0.002563

## • End Office Shared Port

- Originating	\$0.000900
- Termination	\$0.000900

(N)

(Filed under Transmittal No. 22.)

Issued: October 25, 2012

Effective: October 29, 2012

ISSUED BY Mark Brinton  
Manager – Public Policy  
1801 California Street, 10th Floor  
Denver, CO 80202

---

**COMPETITIVE ACCESS SERVICES TARIFF**

---

**7. RATES AND CHARGES****7.4 ACCESS SERVICES RATES AND CHARGES – SOUTHWESTERN BELL  
TELECOMMUNICATIONS SERVICE AREAS: KANSAS AND MISSOURI (Cont'd)**

(N)

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

- First trunk \$101.52
- Each additional trunk 51.27

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

- First trunk 135.00
- Each additional trunk 104.00

(N)

(Filed under Transmittal No. 22.)

Issued: October 25, 2012

Effective: October 29, 2012

ISSUED BY Mark Brinton  
Manager – Public Policy  
1801 California Street, 10th Floor  
Denver, CO 80202