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**ACCESS SERVICE**

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Regulations, Rates and Charges  
applying to the provision of Access Services  
for connection to intrastate communications facilities  
for customers within the operating territories of

Citizens Telecommunications Company of Illinois

In the State of

**ILLINOIS**

as provided herein.

Access Services are provided by means of wire, fiber optics, radio or any other suitable technology or a combination thereof.

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**Vice-President Regulatory & Government Affairs**

**Citizens Communications Company**

**5600 Headquarters Drive**

**Plano, TX 75024**

**Docket No. \_\_\_\_\_**

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**ACCESS SERVICE**

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21 West Ave.  
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180 S. Clinton Avenue  
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<sup>1</sup> Effective June 3, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for [Frame Relay] Service. Upon service term expiration, this service will transition to a Month-to-Month service arrangement.

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**Senior Vice President, Regulatory Affairs  
Citizens Communications Company  
21 West Ave.  
Spencerport, NY 14559**

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**CONCURRING CARRIERS**

No Connecting Carriers

**CONNECTING CARRIERS**

No Connecting Carriers

**OTHER PARTICIPATING CARRIERS**

No Other Participating Carriers

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**EXPLANATION OF SYMBOLS**

- (C) - To signify changed regulation
- (D) - To signify discontinued rate or regulation
- (I) - To signify increase
- (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

**EXPLANATION OF ABBREVIATIONS**

- AAM - Assumed Access Minutes
- ac - alternating current
- ACAT - Additional Cooperative Acceptance Testing
- ACD - Automatic Call Distributer
- AIOD - Automatic Identification of Outward Dialed
- AM - Access Minutes
- ANI - Automatic Number Identification
- ARD - Automatic Ringdown
- ASG - Access Services Group
- ASR - Access Service Request
- AST - Automatic Scheduled Testing
- AT&TC - American Telephone and Telegraph Communications, Inc.
- BHMC - Busy Hour Minutes of Capacity
- BP - Billing Percentage
- BSA - Basic Serving Arrangement
- BSE - Basic Service Element
- CAC - Carrier Access Code
- CCS – Centum - Call Seconds
- CCSA - Common Control Switching Arrangement(s)
- CDL - Customer Designated Location
- CDM - Call Days in Month
- CFA - Connecting Facility Assignment
- CIC - Carrier Identification Code
- CIP - Carrier Identification Parameter
- CMF - Chargeable Minimum Factor
- COMPS - Central Office Maintenance Planning System

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**ACCESS SERVICE****EXPLANATION OF ABBREVIATIONS (Cont'd)**

Cont'd	-	Continued
CST	-	Cooperative Scheduled Testing
CSU	-	Circuit Switching Unit
DA	-	Digital Data Access
DAM	-	Distance in Airline Miles
dB	-	Decibel
dBm	-	Decibels below one milliwatt
dBmO	-	Transmission Level Referred to the Zero Transmission Level Point
dBmCO	-	Decibel Reference Noise C-Message Weighted O
dBv	-	Decibels Referred to One Volt
dc	-	direct current
DDS	-	Digital Data Service
DTMF	-	Dual Tone Multifrequency
DX	-	Duplex
ECCKT	-	Exchange Carrier Circuit ID
ELEPL	-	Equal Level Echo Path Loss
E&M	-	The Receive and Transmit Leads of a Signaling System
EML	-	Expected Measured Loss
EPL	-	Echo Path Loss
ERL	-	Echo Return Loss
f	-	frequency
FCC	-	Federal Communications Commission
FCO	-	Foreign Central Office Service
FIA	-	Facilities for Intrastate Access
FNPA	-	Foreign Numbering Plan Area
FX	-	Foreign Exchange
GTOC	-	Operating Telephone Companies of GTE Corporation
GSEC	-	General Services and Equipment Code
HC	-	High Capacity
HNPA	-	Home Number Plan Area
Hz	-	Hertz
IA	-	Interface Arrangement
IC	-	Interexchange Carrier
ICB	-	Individual Case Basis

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**ACCESS SERVICE****EXPLANATION OF ABBREVIATIONS (Cont'd)**

IDDD	-	International Direct Distance Dialing
ILP	-	Initial Liability Period
IP	-	Interconnection Point
kbps	-	kilobits per second
kHz	-	kilohertz
LEC	-	Local Exchange Carrier
Ma	-	Milliamperes
Mbps	-	Megabits per second
MHz	-	Megahertz
MJU	-	Multi-Junction Unit
MRC	-	Monthly Recurring Charge
MSA	-	Market Service Area
MST	-	Manual Scheduled Testing
MTL	-	Maximum Termination Liability
NA	-	Not Available
NANP	-	North American Numbering Plan
NECA	-	National Exchange Carrier Association
NPA	-	Numbering Plan Area
NRC	-	Nonrecurring Charge
NST	-	Nonscheduled Testing
NXX	-	Three Digit Central Office Code
OPS	-	Off Premises Station
PBX	-	Private Branch Exchange
PCM	-	Pulse Code Modulation
POT	-	Point of Termination
RMC	-	Recurring Monthly Charge
rms	-	root-mean-square
SCFA	-	Secondary Connecting Facility Assignment
SF	-	Single Frequency
SRL	-	Singing Return Loss
STR	-	Switched Transport Rate
TDCF	-	Total Day Conversion Factor
TLP	-	Transmission Level Point
TV	-	Television
UL	-	Under Utilization Liability
VG	-	Voice Grade
V&H	-	Vertical & Horizontal
WA	-	Wideband Analog
WATS	-	Wide Area Telecommunications Service

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**REFERENCE TO OTHER TARIFFS**

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

**REFERENCE TO TECHNICAL PUBLICATIONS**

- (1) NECA Technical Reference Publication AS No. 1 - Issued March, 1984: entire issue  
Addendum - Issued March, 1987
  - (2) GTE Technical Interface Reference Manual, Issue 2 - Issued August, 1984, Revised December 1985, August 1986 and October 1988; Sections 3300, 5107, 6000, 6103 and 7000
  - (5) American National Standards Institute Publication ANSI T1.102, Issued 1993
  - (5) American National Standards Institute Publication ANSI T1.105, Issued 1995
  - (5) American National Standards Institute Publication  
For the Service Category of Frame Relay:
    - T1.602-1989, Issued 1988
    - T1.606-1990, Issued 1989
    - T1.617-1991, Issued 1991
    - T1.618-1991, Issued 1991
- 
- (1) Available from the Federal Communications Commission's commercial contractor.
  - (2) Available from Testmark Labs, 3050 Harrodsburg Rd., Lexington, Kentucky 40503
  - (3) Available from Underwriters Laboratory, Inc., Attention: Publications, 333 Pflingsten Rd., Northbrook, Illinois 60062.
  - (4) Available from Bellcore, Customer Service, 8 Corporate Place, Piscataway, New Jersey 08854-4196
  - (5) Available from American National Standards Institute, 1430 Broadway, New York, NY 10018.

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**REFERENCE TO TECHNICAL PUBLICATIONS (Cont'd)**

- (3) Underwriters Laboratory Publication UL 94, Issued 1990
- (1) AT&T Technical Reference Publication 41014 - Issued February, 1978; entire issue
- (2) GTE Service Corporation Telephone Operations - Traffic Grade of Service Standards, Issued April, 1985; entire issue.
- (4) Bellcore Technical Reference Publication
  - TR-TSV-000905, Issue 1, August, 1989                      GR-253-CORE, Issue 2, April, 1996
  - TR-NWT-000499, Issue 4, November, 1991              GR-1400-CORE, Issue 1, March, 1994
  - TR-NWT-000063, Issue 4, July, 1991                      GR-1374-CORE, Issue 1, March, 1994
  - TR-TSY-000191, Issue 1, May, 1986                      GR-1149-CORE, Issue 1, October, 1995
  - TR-TSY-000487, Issue 1, July, 1989                      Available February, 1997
  - TR-NPL-000320, Issue 1, April, 1988
- (4) Multiple Exchange Carrier Access Billing (MECAB) Guidelines - Issued June, 1994
- (4) Multiple Exchange Carrier Ordering and Design (MECOD) Guidelines - Issued May, 1994

**REFERENCE TO NECA TARIFFS**

- (1) NECA Tariff FCC No. 4
  - (1) Available from the Federal Communications Commission's commercial contractor.
  - (2) Available from Testmark Labs, 3050 Harrodsburg Rd., Lexington, Kentucky 40503
  - (3) Available from Underwriters Laboratory, Inc., Attention: Publications, 333 Pfingsten Rd., Northbrook, Illinois 60062.
  - (4) Available from Bellcore, Customer Service, 8 Corporate Place, Piscataway, New Jersey 08854-4196
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- (1) Section 6.4(E)(8) NCS Manual 3-1-1 "Telecommunications Service Priority (TSP) System for National Security Emergency Preparedness (NSEP) Service User Manual", dated July 9, 1990.
- (1) Section 6.4(F)(4) NCS Handbook 3-1-2 "Telecommunications Service Priority (TSP) System for National Security Emergency Preparedness (NSEP) Service Vendor Handbook", dated July 9, 1990.
- (1) 47 C.R.F. FCC Rules and Regulations, Part 15.109  
Issued: May 26, 1999  
Available: 10-01-95
  
- (1) Available from Government Printing Office, Superintendent of Documentation, Document Control Branch, 941 North Capitol Street, N.E., Washington, DC 20401.

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**1. APPLICATION OF TARIFF**

1.1 This tariff contains regulations, rates and charges applicable to Switched Access, Special Access, End User Access, Lifeline Assistance, Universal Service Fund and Expanded Interconnection Service or, in combination, as Facilities for Intrastate Access, hereinafter referred to as FIA, provided by Citizens Telecommunications Company of Illinois, hereinafter referred to as the Telephone Company to customers. This tariff further provides for Ancillary and Miscellaneous Services. This tariff does not apply to other services offered by the Telephone Company, nor is it applicable to Radio Common Carriers.

(T)  
(T)

Pursuant to the Commission's Rules at Section 69.4(c), 69.5(d), 69.104(1), 69.116, 69.117, 69.603(c), and 69.603(d), regulations concerning administration and billing of Lifeline Assistance and Universal Service Fund, rates and charges for these carrier's carrier elements are contained in Section 8 of the National Exchange Carrier Association, Inc., Tariff FCC No. 5. The National Exchange Carrier Association, Inc., will bill and collect all Lifeline Assistance and Universal Service Fund charges on behalf of the Telephone Company.

1.2 Regulations, rates and charges as specified in this tariff apply to FIA and shall not serve as a substitute for IC tariff offerings of services to end users. The provision of such FIA by the Telephone Company as set forth in this tariff does not constitute a joint undertaking with an IC for the furnishing of any service.

1.3 Switched Access Service is provided from the premises of an end user to the premises of a carrier only for connection to facilities or services of the carrier, or from the premises of an end user to the premises of an end user only for direct connection to interMSA facilities.

1.4 The regulations and rates contained in Section 4 following (Switched Access), are not applicable to end users subscribing to FX services. Until such time as the application of switched access charges to FX end users is authorized by the Illinois Commerce Commission, FX end users will continue to be billed the appropriate individual line rate for the open end of the service.

Carrier FX services are fully subject to the provisions of 4. following (Switched Access) beginning May 25, 1984.

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**2. GENERAL REGULATIONS**

**2.1 Undertaking of the Telephone Company**

**2.1.1 Scope**

- (A) (Reserved for Future Use)
- (B) The Telephone Company does not undertake to transmit calls or offer a telecommunications service under this tariff.
- (C) The Telephone Company shall be responsible only for the installation, operation, and maintenance of the services which it provides.
- (D) The Telephone Company will, for maintenance purposes, test its FIA only to the extent necessary to detect and/or clear troubles. Testing beyond normal parameters will be done as described in Section 6.
- (E) FIA are provided twenty-four hours daily, seven days per week.

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**2. GENERAL REGULATIONS (Cont'd)**

**2.1 Undertaking of the Telephone Company (Cont'd)**

**2.1.2 Limitations**

(A) The customer may not assign or transfer the use of FIA provided under this tariff except that, where there is no interruption of use or relocation of the FIA, such assignment or transfer may be made to:

- another customer, whether an individual, partnership, association or corporation, provided the assignee or transferee assumes all outstanding indebtedness for such FIA, and the unexpired portion of the minimum period and the termination liability applicable to such FIA, if any; or
- 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 FIA, if any.

In all cases of assignment or transfer, the written acknowledgment of the Telephone 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.

The assignment or transfer of FIA 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.

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2. **GENERAL REGULATIONS** (Cont'd)

2.1 **Undertaking of the Telephone Company** (Cont'd)

2.1.2 **Limitations** (Cont'd)

- (B) The emergency provisioning and restoration of FIA shall be in accordance with Part 64, Subpart D, Paragraph 64.401, of the FCC's Rules and Regulations, which specifies the priority system for such activities. Section 6.4 describes the service arrangement.
- (C) (Reserved for Future Use)
- (D) The Telephone Company does not warrant that its facilities and services meet standards other than those set forth in this tariff.

2.1.3 **Liability**

- (A) The Telephone Company's liability, if any, for willful misconduct is not limited by this tariff. With respect to any other claim or suit by a customer for damages associated with the installation, provision, termination, maintenance, repair or restoration of FIA, and subject to the provisions of (B) through (D), the Telephone Company's liability, if any, shall not exceed an amount equal to the proportionate charge for the FIA for the period during which the provision of FIA 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 provision of FIA interruption.
- (B) The Telephone Company shall not be liable for any act or omission of any other carrier or customer providing a portion of a service, nor shall the Telephone Company, for its own act or omission, hold liable any other carrier or customer providing a portion of a service.

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**2. GENERAL REGULATIONS (Cont'd)**

**2.1 Undertaking of the Telephone Company (Cont'd)**

**2.1.3 Liability (Cont'd)**

(C) (Reserved for Future Use)

(D) The Telephone Company shall be indemnified, defended and held harmless by the customer against any claim, loss or damage arising from the use of FIA offered under this tariff. The foregoing indemnity shall issue on the customer separately, each being responsible for his own acts and omissions, involving:

- Claims for libel, slander, invasion of privacy, or infringement of copyright arising from any communications;
- Claims for patent infringement arising from combining or using the FIA furnished by the Telephone Company in connection with facilities or equipment furnished by the customer; or

- All other claims arising out of any act or omission of the customer in the course of using FIA provided pursuant to this tariff.

(E) The Telephone Company does not guarantee or make any warranty with respect to its FIA when used in an explosive atmosphere. The Telephone Company shall be indemnified, defended and held harmless by the customer from any and all claims by any person relating to the FIA so provided. The foregoing indemnity shall issue on the customer separately, each being responsible for his own acts and omissions.

(F) Except in the case of willful misconduct, under no circumstances whatever, shall the Telephone Company be liable for indirect, incidental, special or consequential damages; and this disclaimer shall be effective notwithstanding any other provisions hereof.

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**2. GENERAL REGULATIONS (Cont'd)**

**2.1 Undertaking of the Telephone Company (Cont'd)**

**2.1.3 Liability (Cont'd)**

- (G) No license under patents is granted by the Telephone Company to the customer or shall be implied or arise by estoppel in the customer's favor with respect to any circuit, apparatus, system or method used by the customer in connection with FIA provided under this tariff. With respect to claims of patent infringement made by third persons, the Telephone Company will defend, indemnify, protect and save harmless the customer from and against all claims arising out of the use by the customer of FIA provided under this tariff.
- (H) The Telephone Company's failure to provide or maintain FIA under this tariff shall be excused by labor difficulties, governmental orders, civil commotions, acts of God and other circumstances beyond the Telephone Company's reasonable control, subject to the interruption allowance provisions.
- (I) The Telephone Company shall reimburse the customer for damages to premises or equipment of the customer resulting from the provision of FIA by the Telephone Company on such premises, or by the installation or removal thereof, caused by the negligence or willful act of the Telephone Company.

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**2. GENERAL REGULATIONS (Cont'd)**

**2.1 Undertaking of the Telephone Company (Cont'd)**

**2.1.4 Provision of FIA**

- (A) The Telephone Company, to the extent that such FIA are or can be made available with reasonable effort, and after provisions have been made for the Telephone Company's local service, will provide to the customer, upon reasonable notice, FIA offered in other applicable sections of this tariff at rates and charges specified therein.
  
- (B) FIA provided to a customer under this tariff may be connected directly to customer facilities and/or may be connected to access facilities of another telephone company or companies in the joint provision of intrastate access.

**2.1.5 Installation and Termination of FIA**

Except as provided for Expanded Interconnection Service specified in Section 17, the FIA provided under this tariff (A) will include any entrance cable or drop wiring and wire or intrabuilding cable to that point where provision is made for termination of the Telephone Company's outside distribution network facilities at a suitable location inside a customer-designated location, and (B) will be installed by the Telephone Company to such point of termination.

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**2. GENERAL REGULATIONS (Cont'd)**

**2.1 Undertaking of the Telephone Company (Cont'd)**

**2.1.6 Maintenance of FIA**

- (A) The FIA provided under this tariff shall be maintained by the Telephone Company. The customer or others may not rearrange, move, disconnect, remove or attempt to repair any FIA provided by the Telephone Company, other than by connection or disconnection to any interface means used, except with the written consent of the Telephone Company.
  
- (B) Customer provided transmission facilities and equipment terminating in the Telephone Company wire center, access tandem, manhole or similar location for purposes of virtual Expanded Interconnection Service (EIS), as set forth in Section 17, will be maintained by the Telephone Company. Customer provided transmission facilities and equipment terminating in the Telephone Company wire center or access tandem for purposes of physical EIS will not be maintained by the Telephone Company.

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**2. GENERAL REGULATIONS (Cont'd)****2.1 Undertaking of the Telephone Company (Cont'd)****2.1.7 Changes and Substitutions**

Except as provided for equipment and systems subject to Part 68 of the FCC Rules and Regulations in 47 C.F.R. Paragraph 68.110 (b), the Telephone Company may, where such action is reasonably required in the operation of its business, substitute, change, or rearrange any telephone plant used in providing FIA under this tariff, change minimum network protection criteria, change operating or maintenance characteristics of facilities, or change operations or procedures of the Telephone Company. In case of any such substitution, change or rearrangement, the facility parameters will be within generally accepted standards. The Telephone 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 or technical parameters of the FIA, as originally ordered by the customer, the Telephone Company will notify the customer in writing prior to making such substitution, change or rearrangement. Notification will be given as follows:

- Should a major change occur, the Telephone Company shall notify the customer at least one year in advance. A major change is described as any change in telephone plant which will affect the technical parameters of the interface (e.g., level, impedance, signaling, interface, bandwidth, two-wire, four-wire, etc.)
- Should a minor change occur, the Telephone Company shall notify the customer as least thirty days in advance. A minor change is described as any change in telephone plant which will not affect the technical parameters of the interface (e.g., level, impedance, signaling, interface, bandwidth, two-wire, four-wire, etc.)

The Telephone Company will work cooperatively with the customer relative to the redesign and implementation required by the change in operating characteristics.

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**2. GENERAL REGULATIONS (Cont'd)****2.1 Undertaking of the Telephone Company (Cont'd)****2.1.8 Discontinuance and Refusal of FIA**

- (A) Unless the provisions of 2.2.2(B) or 2.5.1 apply, if the customer fails to comply with the provisions of 2.1.6, 2.3.1, and 2.4.1(D), or if applicable 2.5.3, 2.5.4, 17.3.4 and 17.7.6(D) including any payments to be made by him on the dates or at the times herein specified, and fails within thirty (30) days after written notice, by certified mail, from the Telephone Company to a person designated by the customer to correct such noncompliance, the Telephone Company may discontinue the provision of the FIA to the noncomplying customer. In case of such discontinuance, all applicable charges shall become due.
- (B) If the customer repeatedly fails to comply with the provisions of this tariff in connection with the provision of a FIA or group of FIA, and fails to correct such course of action after notice as in (A), the Telephone Company may refuse applications for additional FIA to the noncomplying customer until the course of action is corrected.
- (C) If the National Exchange Carrier Association, Inc., notifies the Telephone Company that the customer has failed to comply with Section 8 of the National Exchange Carrier Association, Inc., Tariff FCC No. 5 (Lifeline Assistance and Universal Service Fund charges) including any customer's failure to make payments on the date and times specified therein, the Telephone Company, may on thirty days' written notice to the customer by Certified U.S. Mail, take any of these actions:
- refuse additional applications for service.
  - refuse to complete any pending orders for service.
- discontinue the provision of service to the customer.
- In the case of discontinuance, all applicable charges including termination charges, shall become due.

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**2. GENERAL REGULATIONS (Cont'd)**

**2.1 Undertaking of the Telephone Company (Cont'd)**

**2.1.9 Preemption of FIA**

In certain instances, (i.e., when spare facilities and/or equipment are not available), it may be necessary to preempt existing services to provision or restore National Security Emergency Preparedness (NSEP) Services. If, in its best judgement, the Telephone Company deems it necessary to preempt, then the Telephone Company will ensure that:

- (A) A sufficient number of public switched services are available for public use if preemption of such services is necessary to provision or restore NSEP Service.
- (B) The service(s) preempted have a lower or do not contain NSEP assigned priority levels.
- (C) A reasonable effort is made to notify the preempted service customer of the action to be taken.
- (D) A credit allowance for any preempted service shall be made in accordance with the provisions in Section 2.4.4(A).

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**2. GENERAL REGULATIONS (Cont'd)**

**2.1 Undertaking of the Telephone Company (Cont'd)**

**2.1.10 Limitation of Use of Metallic Facilities**

Except for loop and duplex (DX) type signaling, metallic facilities shall not be used for ground return or split pair operation. Signals applied to the metallic facility shall conform to minimum protection criteria for direct electrical connections as in Part 68 of the FCC Rules and Regulations. In the case of applications of dc telegraph signaling systems, the customer shall be responsible, at his expense, for the provision of current limitation devices to protect the Telephone Company FIA from excessive current due to abnormal conditions and for the provision of noise mitigation networks when required to reduce excess noise.

Interoffice metallic facilities are limited and requests for metallic facilities will only be provided where available. DC (Metallic) and telegraph-grade facilities and services will be discontinued effective May 30, 1992. Interoffice metallic facilities (wire pairs) are in diminishing supply, and can be expected to become less available as optical fiber is deployed and wire cables are removed.

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**2. GENERAL REGULATIONS (Cont'd)**

**2.2 Use**

**2.2.1 (Reserved for Future Use)**

**2.2.2 Interference or Impairment**

- (A) The characteristics and methods of operation of any circuits, facilities or equipment provided by other than the Telephone Company, including customer transmission equipment and facilities used with EIS, and associated with the FIA provided under this tariff shall not interfere with or impair service over any facilities of the Telephone Company, its connecting and concurring carriers, or other telephone companies involved in its services, cause damage to their plant, impair the privacy of any communications carried over their facilities or create hazards to their employees or to the public.
  
- (B) Except as provided for equipment or systems subject to Part 68 of the FCC Rules and Regulations in 47 C.F.R. Paragraph 68.108, if such characteristics or methods of operation are not in accordance with (A), the Telephone Company will, where practicable, notify the customer, as appropriate, that temporary discontinuance of the use of FIA may be required; however, where prior notice is not practicable, nothing contained herein shall be deemed to preclude the Telephone Company's right to temporarily discontinue forthwith the use of FIA if such action is reasonable in 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, allowance for interruption of FIA as in 2.4.4 is not applicable.

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**2. GENERAL REGULATIONS (Cont'd)****2.2 Use (Cont'd)****2.2.3 Unlawful Use of FIA**

The FIA are furnished subject to the condition that they will not be used for an unlawful purpose. FIA will be discontinued if any law enforcement agency, acting within its apparent jurisdiction, advises in writing that such FIA are being used in violation of law. The Telephone Company will refuse to furnish FIA when it has reasonable grounds to believe that such FIA will be used in violation of law.

**2.3 Obligation of the Customer****2.3.1 Damages**

The customer shall reimburse the Telephone Company for damages to the Telephone Company facilities utilized to provide FIA under this Tariff caused by:

- the negligence or willful act of the customer, or
- resulting from the customer's improper use of the Telephone Company facilities, or
- due to malfunction of any facilities or equipment provided by other than the Telephone Company.

Nothing in the foregoing provision shall be interpreted to hold one customer liable for another customer's actions. The Telephone 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 Telephone Company for the damages to the extent of such payment. The amount of reimbursement shall be the actual cost of repair to the damaged facilities including labor costs as specified in 6.2(G).

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**2. GENERAL REGULATIONS (Cont'd)****2.3 Obligation of the Customer (Cont'd)****2.3.2 Theft**

The customer shall reimburse the Telephone Company for any loss through theft of facilities, apparatus, or equipment utilized to provide FIA under this tariff at the customer designated location or at the end user's premises. The amount of reimbursement shall be the actual cost for replacement of facilities, apparatus, or equipment lost, plus labor costs as specified in 6.2(G).

**2.3.3 Equipment Space and Power**

Except as specified in 2.3.4, the customer shall furnish or arrange to have furnished to the Telephone Company at no charge, equipment space and electrical power required by the Telephone Company to provide FIA under this tariff at the points of termination of such FIA. The equipment space provided shall meet industry standard environmental conditions. The selection of ac or dc power shall be mutually agreed to by the customer and the Telephone Company. The customer shall also make necessary arrangements in order that the Telephone Company will have access to such spaces at reasonable times for installing, repairing or removing facilities of the Telephone Company.

**2.3.4 Space and Power for Expanded Interconnection Service**

Where available, the Telephone Company shall make available wire center or access tandem floor space and electrical power required by the customer for the provision of Expanded Interconnection Service at charges set forth in Section 17.

**2.3.5 (Reserved for Future Use)**

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**2. GENERAL REGULATIONS (Cont'd)****2.3 Obligation of the Customer (Cont'd)****2.3.6 Availability for Testing**

The FIA provided under this tariff shall be available to the Telephone Company at times mutually agreed upon in order to permit the Telephone Company to make tests and adjustments appropriate for maintaining the FIA 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.

**2.3.7 Balance**

All signals for transmission over the FIA provided under this tariff shall be delivered by the customer balanced to ground except for ground start and duplex (DX), McCulloh-loop (alarm system) type signaling, and dc telegraph transmission at speeds of 75 baud or less.

**2.3.8 Design of Customer Services**

Subject to the provisions of 2.1.7, the customer shall be solely responsible at his expense for the overall design of his services. The customer shall be responsible separately, each at his own expense, for any redesigning or rearrangement of his services which may be required because of changes in FIA, operations or procedures of the Telephone Company, minimum network protection criteria or operating or maintenance characteristics of the FIA.

**2.3.9 References to Telephone Company**

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

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**2. GENERAL REGULATIONS (Cont'd)**

**2.3 Obligation of the Customer (Cont'd)**

**2.3.10 (Reserved for Future Use)**

**2.3.11 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 Telephone Company from and against all claims arising out of the combining with, or use in connection with, the FIA provided under this tariff, any circuit, apparatus, system or method provided by the customer, the IC or his end users.
  
- (B) The customer shall defend, indemnify and save harmless the Telephone Company from and against suits, claims, and demands by third persons arising out of the construction, installation, operation, maintenance, or removal of the customer's circuits, facilities, or equipment connected to the Telephone Company's FIA provided under this tariff including, without limitation, Workmen's Compensation claims, actions for infringement of copyright and/or unauthorized use of program material, libel and slander actions based on the content of communications transmitted over the customer's circuits, facilities or equipment, and 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 FIA provided under this tariff; provided, 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 tortuous conduct of the customer, his officers, agents or employees.

**2.3.12 (Reserved for Future Use)**

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**2. GENERAL REGULATIONS (Cont'd)**

**2.3 Obligation of the Customer (Cont'd)**

**2.3.13 Coordination With Respect to Network Contingencies**

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

**2.3.14 Identification and Rating of VoIP-PSTN Traffic**

(A) Scope

- (1) VoIP-PSTN Traffic is defined as traffic exchanged between the Telephone Company end user and the customer in time division multiplexing ("TDM") format that originates and/or terminates in Internet protocol ("IP") format. This section governs the identification of VoIP-PSTN Traffic that is required to be compensated at interstate access rates by the Federal Communications Commission in its Report and Order in WC Docket Nos. 10-90, etc., FCC Release No. 11-161 (Nov. 18, 2011) ("FCC Order"). Specifically, this section establishes the method of separating such traffic (referred to in this tariff as "Relevant VoIP-PSTN Traffic") from the customer's traditional intrastate access traffic, so that such Relevant VoIP-PSTN Traffic can be billed in accordance with the FCC Order.
- (2) This section will be applied to the billing of switched access charges to a customer that is a local exchange carrier only to the extent that the customer has also implemented billing of interstate access charges for Relevant VoIP-PSTN Traffic in accordance with the FCC Order.

(B) Rating of VoIP-PSTN Traffic

The Relevant VoIP-PSTN Traffic identified in accordance with this tariff section will be billed at rates equal to the Telephone Company's applicable tariffed interstate switched access rates as specified within this tariff.

As of July 13, 2012, any intrastate originating Toll VOIP-PSTN Traffic will be billed at rates equal to the Company's intrastate originating switched access rates as provided in this tariff. Beginning July 1, 2014, any intrastate originating Toll VOIP-PSTN Traffic identified in accordance with this tariff section will be billed at rates equal to the Telephone Company's relevant interstate switched access rates as provided in the Telephone Company's applicable Federal Access Tariff.

(N)  
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(N)

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**2. GENERAL REGULATIONS (Cont'd)**

**2.3 Obligation of the Customer (Cont'd)**

**2.3.14 Identification and Rating of VoIP-PSTN Traffic (Cont'd)**

(C) Calculation and Application of Percent-VoIP-Usage Factor

The Telephone Company will determine the number of Relevant VoIP-PSTN Traffic minutes of use ("MOU") to which interstate rates will be applied under subsection (B), above, by applying a Percent VoIP Usage ("PVU") factor to the total intrastate access MOU exchanges with The Telephone Company from the customer. The PVU will be derived and applied as follows:

(T)

(1) The customer will calculate and furnish to the Telephone Company a factor (the "PVU") representing the percentage of the total intrastate and interstate access MOU that the customer exchanges with to the Telephone Company in the State, that is sent to the Telephone Company and that originated in IP format; or is received by the Telephone company and terminated in IP format. This PVU shall be based on information such as traffic studies, actual call detail, or other relevant and verifiable information.

(T)

(N)  
(N)

(2) The Telephone Company will, likewise, calculate a factor (the "PVU-T") representing the percentage of the Telephone Company's total intrastate access MOU in the State that the Telephone Company originates or terminates on its network in IP format. This PVU-T shall be based on information, such as the number of the Telephone Company's retail VoIP subscriptions in the state, traffic studies, actual call detail, or other relevant and verifiable information.

(N)

(3) The Telephone Company will use the PVU-C and PVU-T factors to calculate a PVU factor that represents the percentage of total intrastate MOU exchanged between a Telephone Company end user and the customer that is originated or terminated in IP format, whether at the Telephone Company's end, at the customer's end, or at both ends. The PVU factor will be calculated as the sum of: (A) the PVU-C factor and (B) the PVU-T factor times (1.0 minus the PVU-C factor).

(N)

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**2. GENERAL REGULATIONS (Cont'd)**

**2.3 Obligation of the Customer (Cont'd)**

**2.3.14 Identification and Rating of VoIP-PSTN Traffic (Cont'd)**

(C) Calculation and Application of Percent-VoIP-Usage Factor

(4) The Telephone Company will apply the PVU factor to the total terminating intrastate access MOU received from the customer to determine the number of Relevant VoIP-PSTN Traffic MOUs. (T)

(5) If the customer does not furnish the Telephone Company with a PVU pursuant to the preceding paragraph 1, the Telephone Company will utilize a PVU equal to zero. (T)

(D) Initial PVU Factor

If the PVU factor is not available and/or cannot be implemented in the Telephone Company's billing systems by January 30, 2012, once the factor is available and can be implemented the Telephone Company will adjust the customer's bills to reflect the PVU retroactively to January 30, 2012. This retroactive adjustment will be made to January 30, 2012, provided that the customer provides the factor to the Telephone Company no later than April 15, 2012; otherwise, it will set the initial PVU equal to zero, as specified in subsection (C)(1), above.

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**2. GENERAL REGULATIONS (Cont'd)**

**2.3 Obligation of the Customer (Cont'd)**

**2.3.14 Identification and Rating of VoIP-PSTN Traffic (Cont'd)**

(E) PVU Factor Updates

The customer may update the PVU factor quarterly using the method set forth in subsection (C)(1), above. If the customer chooses to submit such updates, it shall forward to the Telephone Company, no later than 15 days after the first day of January, April, July and/or October of each year, a revised PVU factor based on data for the prior three months, ending the last day of December, March, June and September, respectively. The revised PVU factor will apply prospectively and serve as the basis for billing until superseded by a new PVU.

(F) PVU Factor Verification

Not more than four times in any year, the Telephone Company may ask the customer to verify the PVU factor furnished to the Telephone Company. The party so requested shall comply and shall reasonably provide the records and other information used to determine the PVU factors.

(G) Rates and Charges

Switched Access Rate Elements

Switched Access Rate Element	FCC 1 <u>Rate Group 4</u>
Local Switching	*
Shared Trunk Port/Common Trunk Port	*
Information Surcharge per MOU	*
Tandem Transport Facility per minute-mile	*
Tandem Transport Termination	*
Tandem Switching	*
Shared Multiplexing, per Tandem MOU	*
Shared Multiplexing, Per End Office MOU	*

(C)  
|  
(C)

\* See Frontier Telephone Companies Tariff FCC No. 1 for rates.

(N)

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**2. GENERAL REGULATIONS (Cont'd)**

**2.3 Obligation of the Customer (Cont'd)**

**2.3.14 Identification and Rating of VoIP-PSTN Traffic (Cont'd)**

(H) Originating Traffic

Traffic that originates in Illinois on the PSTN and terminates outside of Illinois as VoIP will be billed at switched access element rates in (G), above (i.e., interstate rates or, alternatively refer to the FCC tariff). Traffic that originates on the PSTN in Illinois and terminates in Illinois as VoIP will be billed at intrastate switched access element rates contained elsewhere in this tariff.

(N)  
|  
(N)

**2.4 Payment Arrangements and Credit Allowances**

**2.4.1 Payment of Charges and Deposits**

(A) The Telephone Company may, in order to safeguard its interests, require a customer, which has a proven history of late payments to the Telephone Company or does not have established credit, to make a deposit prior to or at any time after the provision of the FIA to the customer to be held by the Telephone Company as a guarantee of the payment of rates and charges. No such deposit will be required of a customer which is a successor of a company which has established credit and has no history of late payments to the Telephone Company.

A deposit may not exceed the actual or estimated rates and charges for the FIA for a two month period. The fact that a deposit has been made in no way relieves the customer from complying with the Telephone Company's regulations as to the prompt payment of bills.

At such time as the provision of the FIA to the customer is terminated, the amount of the deposit will be credited to the customer's account and any credit balance which may remain will be refunded. After the customer has established a one year prompt payment record, such a deposit will be refunded or credited to the customer account at any time prior to the termination of the provision of the FIA to the customer.

In case of a cash deposit, for the period the deposit is held by the Telephone Company, the customer will receive simple annual interest at the percentage rate determined by the Illinois Commerce Commission.

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**2. GENERAL REGULATIONS (Cont'd)**

**2.4 Payment Arrangements and Credit Allowances (Cont'd)**

**2.4.1 Payment of Charges and Deposits (Cont'd)**

- (B) Where the provision of FIA requires facilities that meet any of the conditions specified in 10.1.1, Special Construction charges in Section 10 will apply.
- (C) The Telephone Company shall bill FIA services on a current basis for (a) all charges incurred, (b) applicable taxes, and (c) credits due the customer.
  - Switched Access (except for the Entrance Facility, Direct-Trunked Transport and Multiplexing elements), Ancillary and Miscellaneous services shall be billed in arrears.
  - Special Access, monthly EIS elements and Switched Access Entrance Facility, Direct-Trunked Transport and Multiplexing elements shall be billed in advance except for the charges and credits associated with the initial or final bills. The initial bill will also include charges for the actual period of service up to, but not including, the bill date. The unused portion of the FIA already billed will be credited on the final bill.

The customer will receive his bill in; 1) a paper format, 2) a paper format bill summary with a magnetic tape to provide the detailed information of the bill, 3) magnetic tape only, or 4) via electronic transmission. Such bills are due when rendered regardless of the media utilized. Adjustments for the quantities of FIA established or discontinued in any billing period beyond the minimum period in 2.4.2 will be prorated to the number of days based on a 30 day month. The Telephone Company will, upon request and if available, furnish such detailed information as may reasonably be required for verification of any bill.

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2. GENERAL REGULATIONS (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.1 Payment of Charges and Deposits (Cont'd)

(D) All bills to the customer are due 31 days (payment date) after the bill date or by the next bill date (i.e., same date in the following month as the bill date), whichever is the shortest interval. In the event the customer does not remit payment in immediately available funds by the payment date, the FIA may be discontinued as specified in 2.1.8.

(1) If the entire amount billed is not received by the Telephone Company in immediately available funds by the payment date, an additional charge (late payment charge) equal to 1/365th of the percentage rate for deposit interest as that in 2.4.1(A) of the unpaid balance will be applied for each day or portion thereof that an outstanding balance remains.

If such payment 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, the second Tuesday in November 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:

- If such payment date falls on a Saturday or on a Holiday which is observed on Tuesday, Wednesday, Thursday or Friday, the payment date shall be the last non-Holiday day preceding such Saturday or Holiday.
- If such payment date falls on a Sunday or on a Holiday which is observed on a Monday, the payment date shall be the first non-Holiday day following such Sunday or Holiday.

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**2. GENERAL REGULATIONS (Cont'd)**

**2.4 Payment Arrangements and Credit Allowances (Cont'd)**

**2.4.1 Payment of Charges and Deposits (Cont'd)**

(D) (Cont'd)

- (2) In the event of a billing dispute, the customer must submit a documented claim for the disputed amount.
- If the claim is received within 6 months of the payment due date, and the customer has paid the total billed amount, any interest credits due the customer upon resolution of the dispute shall be calculated from the date of overpayment.
  - If the claim is received more than 6 months 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 received or the date of overpayment.

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**2. GENERAL REGULATIONS (Cont'd)**

**2.4 Payment Arrangements and Credit Allowances (Cont'd)**

**2.4.1 Payment of Charges and Deposits (Cont'd)**

(D) (Cont'd)

(2) (Cont'd)

A credit will be granted to the customer for both the disputed amount paid and an amount equal to the percentage rate in (1).

The Telephone Company will assess or credit late payment charges on disputed amounts to the customer as follows:

- If resolved in favor of the Telephone Company and the customer has paid the disputed amount on or before the payment due date, no late payment charges will apply.
- If resolved in favor of the Telephone Company and the customer has withheld the disputed amount, any payments withheld pending settlement of the dispute shall be subject to the late payment charge in (1).
- If resolved in favor of the customer and the customer has withheld the disputed amount, the customer shall be credited for each month or portion thereof that the late payment charge in (1) may have been applied. In the event the customer has paid the late payment charge, a credit will be granted to the customer for both the late payment charge paid on disputed amount and an amount equal to the percentage rate in (1).

(3) Late Payment Charges applicable to End User FIA are those in other Tariffs of the Telephone Company.

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**2. GENERAL REGULATIONS (Cont'd)**

**2.4 Payment Arrangements and Credit Allowances (Cont'd)**

**2.4.2 Minimum Periods**

- (A) The minimum periods for which FIA are provided and for which rates and charges are applicable are in 3.2.4.
- (B) The minimum periods for which FIA are provided and for which rates and charges are applicable for Specialized FIA or Arrangements provided on an Individual Case Basis, as in Section 7 are established with the individual case filing.
- (C) For discontinuances of FIA with a one month minimum period, all applicable charges for the one month period will apply. In instances where the minimum period is greater than one month, however, the charge will be the lesser of the Telephone Company's non-recoverable costs less the net salvage value for the discontinued service of the minimum period charges.
- (D) The minimum periods for which Expanded Interconnection Services are provided and which rates and charges are applicable are in Section 17.

**2.4.3 Cancellation of an ASR**

Provisions for the cancellation of an ASR are in 3.2.6.

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**2. GENERAL REGULATIONS (Cont'd)****2.4 Payment Arrangements and Credit Allowances (Cont'd)****2.4.4 Credit Allowance for FIA Interruptions****(A) General**

A FIA is interrupted when it becomes unusable to the customer because of a failure of a component used to furnish FIA under this tariff, or when the service is preempted as a result of invoking NSEP Treatment or when the application of protective controls interrupt all transmission paths as set forth in 4.2.9 following. An interruption period starts when Telephone Company personnel become aware that the FIA is inoperative.

The credit allowance(s) for an interruption or for a series of interruptions will be computed based upon the billing method which applies to the service being credited. In no case will the credit allowance for service interruptions exceed the applicable charges for the billing period during which the interruption occurred.

A credit allowance for any FIA service will apply for the period specified as follows:

- (1) For Special Access services other than Program Audio, Videoband and Expanded Interconnection, and for Switched Access Entrance Facilities, Direct-Trunked Transport and Multiplexing services a credit allowance will be made for an interruption period of 30 minutes or more. The allowance will be calculated at the rate of 1/1440 of the monthly charge for the portion of the FIA affected, for each 30 minutes or major fraction thereof that the interruption continues. A major fraction is considered to be sixteen minutes or more beyond the 30 minute period.

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2. **GENERAL REGULATIONS** (Cont'd)

2.4 **Payment Arrangements and Credit Allowances** (Cont'd)

2.4.4 **Credit Allowance for FIA Interruptions** (Cont'd)

(A) **General** (Cont'd)

- (2) For Program Audio and Videoband Special Access services, a credit allowance will be made for an interruption of 30 seconds or more. Two or more such interruptions occurring during a period of 5 consecutive minutes shall be considered as one interruption. The allowance will be calculated as follows:
- (a) For Program Audio Service provided at monthly rates, the credit will be at the rate of 1/8640 of the monthly service rate.
  - (b) For Program Audio Service provided at daily rates, the credit will be at the rate of 1/288 of the daily rate.
  - (c) For Temporary Videoband Service provided at hourly rates, the credit will be at 1/12 of the hourly rate.

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**2. GENERAL REGULATIONS (Cont'd)**

**2.4 Payment Arrangements and Credit Allowances (Cont'd)**

**2.4.4 Credit Allowance for FIA Interruptions (Cont'd)**

**(A) General (Cont'd)**

- (3) Except as noted, all Special Access Services will be eligible for a credit allowance for each occurrence of a service interruption period greater than 30 minutes. The maximum credit allowance will be \$200.00 for each out of service condition within the Telephone Company's facilities and will not exceed the monthly charge for the interrupted service. The credit allowance will not be applied more than once per calendar month. This credit allowance is applicable in all jurisdictions. The credit allowance is in addition to the credit allowance in 2.4.4(A)(1) and 2.4.4(A)(2). A credit allowance will not be extended in accordance with conditions in 2.1.3(H) and 2.4.4(B) for repair of Telephone Company owned facilities.

The exceptions to this credit allowance are part-time Program Audio Service in 5.2.3, Videoband Services in 5.2.4, Miscellaneous Special Access Services in 5.8 and Individual Case Basis Services in 5.9.

- (4) For Switched Access service, billed using assumed minutes of use, a credit allowance will be made for an interruption of 24 hours or more. The credit allowance will be calculated at 1/30 of the assumed minutes of use charge for each 24 hours or major fraction thereof that the interruption continues. A major fraction is considered to be 13 hours. No credit will be given where Switched Access billing is based on actual usage.

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**2. GENERAL REGULATIONS (Cont'd)**

**2.4 Payment Arrangements and Credit Allowances (Cont'd)**

**2.4.4 Credit Allowance for FIA Interruptions (Cont'd)**

**(A) General (Cont'd)**

- (5) For Switched Access service interrupted by an NXX isolation, a credit will be given the billed customer of record utilizing the following formula:

300 Minutes of Use X the appropriate Switched Access rate X the number of trunks out of service = the credit allowance.

NXX isolation is defined as a situation whereby a customer in an NPA-NXX is unable to originate a call to the carrier network and/or receive a call from the carrier network.

The credit will apply when an out of service condition of 30 minutes or more occurs within the Telephone Company's switched facilities. The credit allowance will not be applied more than once per calendar month. a credit allowance will not be extended in accordance with conditions in 2.1.3(H) and 2.4.4(B) for repair of Telephone Company owned facilities.

- (6) Switched Access Service entrance Facilities, Direct-Trunked Transport and Multiplexing will be eligible for a credit allowance for each occurrence of a service interruption period greater than 30 minutes. The maximum credit allowance will be \$200.00 for each out of service condition within the Telephone Company's facilities. The Credit Allowance will not exceed the monthly charge for the interrupted service and will not be applicable more than once per calendar month. This credit allowance is applicable in all jurisdictions. A credit allowance will not be extended in accordance with conditions in 2.1.3(H) and 2.4.4(B) for repair of Telephone Company owned facilities.

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2. **GENERAL REGULATIONS** (Cont'd)

2.4 **Payment Arrangements and Credit Allowances** (Cont'd)

2.4.4 **Credit Allowance for FIA Interruptions** (Cont'd)

(B) When 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 FIA due to the failure of equipment or systems provided by the customer or others.
- (3) Interruptions of a FIA during any period in which the Telephone Company is not afforded access to the premises where the FIA is terminated.
- (4) Interruptions of a FIA during an agreed upon period when the customer has released a FIA to the Telephone Company for maintenance purposes, to make rearrangements, or for the implementation of an ASR for a change in the FIA. Should the maintenance, rearrangement, or ASR implementation interruption period extend beyond the agreed upon period, credit allowance will apply.
- (5) Interruptions of a FIA which continue because of the failure of the customer to authorize replacement of any element of Special Construction, as set forth in Section 10 following. The period for which no credit allowance is made begins on the seventh day after the Telephone Company's written notification to the customer of the need for such replacement and ends on the day after receipt of the customer's written authorization for such replacement.

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2. **GENERAL REGULATIONS** (Cont'd)

2.4 **Payment Arrangements and Credit Allowances** (Cont'd)

2.4.4 **Credit Allowance for FIA Interruptions** (Cont'd)

(B) **When Credit Allowance Does Not Apply** (Cont'd)

- (6) Periods when the customer elects not to release the FIA for testing and/or repair and continues to use it on an impaired basis.
- (7) Periods when the Telephone Company must temporarily interrupt an EIS, as defined in Section 17, in order to prevent damage or disruption of the Telephone Company's network due to the customer's equipment.
- (8) An interruption or a group of interruptions, resulting from a common cause, for amounts less than one dollar.
- (9) For EIS elements specified in Section 17, no credit allowance will be made.

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**2. GENERAL REGULATIONS (Cont'd)**

**2.4 Payment Arrangements and Credit Allowances (Cont'd)**

**2.4.4 Credit Allowance for FIA Interruptions (Cont'd)**

(C) Use of An Alternative Service Provided by the Telephone Company

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

(D) Temporary Surrender of a FIA

In certain instances, the customer may be requested to surrender a FIA for purposes other than maintenance, testing or activity relating to an ASR. If the customer consents, or in the instance of preemption under NSEP Treatment as set forth in Section 2.1.9 preceding, a credit allowance will be granted. The credit allowance will be determined in accordance with 2.4.4(A) preceding.

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**2. GENERAL REGULATIONS (Cont'd)**

**2.4 Payment Arrangements and Credit Allowances (Cont'd)**

**2.4.5 Performance Commitment Program**

All refunds under the Performance Commitment Program will be provided as a credit adjustment to the customer's bill.

(A) Performance Commitment Program - Provisioning

The Telephone Company assures that orders for FIA will be installed and available for customer use no later than the Service Date as referenced in Section 3.2.1, Service Date Intervals. The failure of the Telephone Company to meet the service date of an ASR will result in the refund of all NRCs associated with that ASR. The Telephone Company's liability for failure to meet this commitment is limited to the refund of the NRCs for the ASR associated with the missed Service Date.

The Performance Commitment Program - Provisioning does not apply:

- (1) when failure to meet the Service Date occurs because of conditions listed in 2.1.3(H) or due to actions of the customer.
- (2) to Special Construction as provided in Section 10.

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2. **GENERAL REGULATIONS** (Cont'd)

2.4 **Payment Arrangements and Credit Allowances** (Cont'd)

2.4.5 **Performance Commitment Program** (Cont'd)

(A) **Performance Commitment Program – Provisioning** (Cont'd)

- (3) when the Telephone Company is not the Access Service Coordination Exchange Carrier (ASC-EC) and the Service Date is not met by the LEC acting as ASC-EC for its portion of the service. See diagram below for indication of when the Citizens NRC refund will apply:

	Citizens ASC-EC	Another LEC ASC-EC
Citizens Misses Date	Refund Applies	Refund Applies
Another LEC Misses Date	Refund Applies	Refund Does Not Apply

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**2. GENERAL REGULATIONS (Cont'd)**

**2.4 Payment Arrangements and Credit Allowances (Cont'd)**

**2.4.5 Performance Commitment Program (Cont'd)**

(A) Performance Commitment Program - Provisioning (Cont'd)

- (4) (Reserved for Future Use)
- (5) to Expanded Interconnection Services as provided in Section 17,
- (6) (Reserved for Future Use)
- (7) to the Expedited Due Date as provided in Section 3.2.2(E).

(B) Performance Commitment Program - IC Desired Due Date for PIC Installation

The Telephone Company assures that the IC Desired Due Date (ICDDD) for PIC Installation, as set forth in 6.5(K), will be provided as negotiated. The failure of the Telephone Company to meet the ICDDD will result in the refund, to the IC's end user/agent customer, of the Nonrecurring Charge for Primary Interexchange Carrier, as set forth in 6.5(L).

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**2. GENERAL REGULATIONS (Cont'd)**

**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 and Special Access furnished by the Telephone Company where such connection is made in accordance with the provisions specified in the NECA Technical Reference Publication AS No. 1 and in 2.1 preceding.

**2.5.2 Standard Access Service Connections**

Access services are provided by means of wire, fiber optics, radio or any other suitable technology or a combination thereof. Special Access service connections are made directly or through a Telephone Company hub wire bridging or multiplexing functions are performed. These connections can either be analog or digital.

**2.5.3 Expanded Interconnection Service (EIS) - Fiber Optic**

Fiber Optic EIS provides a customer with space and associated requirements such as power and environmental conditioning within or near a Telephone Company Central Office to locate certain fiber optic facilities and equipment, and an interconnection with certain Telephone Company provided facilities.

EIS will provided subject to the regulations and rates and charges set forth in Section 17.

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2. **GENERAL REGULATIONS** (Cont'd)

2.5 **Connections** (Cont'd)

2.5.4 **Expanded Interconnection Service (EIS) - Microwave**

Microwave EIS provides a customer with space and associated requirements such as power and environmental conditioning within a Telephone Company wire center to locate certain microwave facilities and equipment, and a connection to certain Telephone Company provided facilities.

Customer-provided microwave facilities, equipment and support structures may be located in, on or above the exterior walls and roof of Telephone Company central offices. Such interconnection must be made in accordance with the provisions specified in 2.1. These interconnections will be provided subject to the regulations and rates and charges set forth in Section 17.

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2. **GENERAL REGULATIONS** (Cont'd)

2.6 **Definitions**

Certain terms used herein are defined as follows:

Access Area

The term "Access Area" denotes a specific calling area containing those customers served by one or more Central Offices associated with the various Switched Access provisions offered under this tariff. The size and configuration of the Access Area a customer obtains is dependent upon the Feature Group type and the specific characteristics of the Central Office or Access Tandem office to which the connection is made.

Access Code

The term "Access Code" applies to Switched Access Service. It denotes a uniform seven digit code dialed by an end user to access an Interexchange Carrier's facilities. The Carrier Access Code (CAC) has the form 101XXXX and the Carrier Identification Code (CIC) has the form 950-XXXX.

Access Group

The term "Access Group" denotes a grouping of lines or trunks used to establish a connection between switching systems. Each grouping of lines or trunks is traffic engineered as a unit with each of the individual members of the group having identical characteristics and being interchangeable with any other member of the group.

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**2. GENERAL REGULATIONS (Cont'd)****2.6 Definitions (Cont'd)**Access Minutes

The term "Access Minutes" denotes that usage of exchange facilities in intrastate or foreign service for the purpose of calculating chargeable usage. On the originating end of an intrastate or foreign call, usage is measured from the time the originating End User's call is delivered by the Telephone Company to and acknowledged as received by the customer's facilities connected with the originating exchange. On the terminating end of an intrastate or foreign 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 or foreign call shall terminate when the calling or called party disconnects, whichever event is recognized first in the originating and terminating end exchanges, as applicable. For the calculation of total minutes, seconds are totaled and converted to minutes before rounding occurs. Remainder seconds greater than 29 are rounded to a minute.

Access Service Request

The term "Access Service Request" (ASR) denotes a document (i.e., order) used by the Telephone Company to process a customer's request for Access Services as offered throughout this tariff.

Access Tandem

The term "Access Tandem" denotes a Telephone Company switching system that provides a traffic concentration and distribution function for inter-Market Service Area traffic originating from or terminating at end offices in the access area.

Agent

The term "Agent", as used in Section 6 of this tariff, is defined as that person or entity that the Telephone Company acknowledges as controlling decisions pertaining to instrument placement, subscription authority, and access or usage control of Public or Semipublic Pay Telephone Service or, that person or entity duly authorized to act in that capacity by the physical owner of the premises.

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**2. GENERAL REGULATIONS (Cont'd)**

**2.6 Definitions (Cont'd)**

Answer/Disconnect Supervision

The term "Answer/Disconnect Supervision" denotes the transmission of the switch trunk equipment supervisory signal (off-hook or on-hook) to the CDL for terminating calls to a Telephone Company end office as an indication that the called party has answered or disconnected.

Answer Message

The term "Answer Message" denotes an SS7 message sent in the backward direction to indicate that the call has been answered.

Attempt

The term "Attempt" denotes a call in the originating direction from an end user to a CDL which is completed (answered) or not completed (not answered) and a call in the terminating direction from a CDL to a customer which is completed (answered) or not completed (not answered).

Attenuation Distortion

The term "Attenuation Distortion" denotes the difference in loss at specified frequencies relative to the loss at 1004 Hz.

Balance (100-Type) Test Line

The term "Balance (100-Type) Test Line" denotes a standard feature of FGA, FGB, FGC, FGD, 800, 877, 888 Access Service, BSA-A, BSA-B, BSA-C and BSA-D and refers to the end office termination provided for balance and noise testing. The termination provides off-hook supervision to the calling end, and terminates the line or trunk in a resistive and capacitive arrangement which simulates the characteristic impedance of the end office.

Basic Service Element

The term "Basic Service Element (BSE)" denotes an unbundled service option available only with Basic Serving Arrangements.

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**2. GENERAL REGULATIONS (Cont'd)**

**2.6 Definitions (Cont'd)**

Basic Serving Arrangement

The term "Basic Serving Arrangement (BSA)" denotes a category of Switched Access Service differentiated by technical characteristics, e.g., line side versus trunk side connection at the Telephone Company's first point of switching.

BHMC

See Busy Hour Minutes of Capacity.

Billed Number Screening

The term "Billed Number Screening (BNS)" denotes the process of utilizing a line information data base to determine billing number acceptance for collect and third number calls and to perform public telephone line number checks to prevent the alternate billing of calls to public coin telephone lines.

Bit

The term "Bit" denotes the smallest unit of information in the binary system of notation.

Bridging

The term "Bridging" denotes the connection of one or more circuits in parallel with another circuit without interrupting the continuity of the first circuit.

Bridging Wire Center

The term "Bridging Wire Center" denotes the Telephone Company designated wire center in which bridging is accomplished.

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**2. GENERAL REGULATIONS (Cont'd)**

**2.6 Definitions (Cont'd)**

Business Day

The term "Business Day" denotes the times of day that a company is open for business. Generally, in the business community, these are 8:00 or 9:00 a.m. to 5:00 or 6:00 p.m., respectively with an hour for lunch, Monday through Friday, resulting in a standard forty (40) hour work week.

Busy Hour Minutes of Capacity

The term "Busy Hour Minutes of Capacity" (BHMC) denotes the trunk group usage load consisting of the average usage load for the busy season.

Busy Season

The term "Busy Season" denotes the four consecutive weeks of the calendar year having the highest daily busiest hour traffic load based on a five day week. Normally the five-day week consists of Monday through Friday. Where weekend traffic is greater than weekday traffic, one or both weekend days may be used as a substitute for a weekday as long as a consistent five-day week is maintained for the four consecutive weeks.

Byte

The term "Byte" denotes a sequence or group of eight bits that represent one character.

Carrier Identification Code

The term "Carrier Identification Code" (CIC) denotes the uniform access code associated with a specific Interexchange Carrier.

Carrier Identification Parameter

The term "Carrier Identification Parameter" (CIP) denotes a field in the SS7 Initial Address Message (IAM) that identifies and transmits CIC information in a forward direction to an IC customer.

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2. **GENERAL REGULATIONS** (Cont'd)

2.6 **Definitions** (Cont'd)

C-Conditioning

The term "C-Conditioning" denotes a Telephone Company special treatment of the transmission path in order to control attenuation and envelope delay distortion.

C-Message Noise

The term "C-Message Noise" denotes the frequency weighted average noise within an idle voice circuit. The frequency weighting, called C-message, is used to simulate the frequency characteristic of the 500-type telephone set and the hearing of the average subscriber.

C-Notched Noise

The term "C-Notched Noise" denotes the frequency weighted noise on a voice circuit with a holding tone, which is removed at the measuring end through a notch (very narrow band) filter.

CCS

The term "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 lines or trunks.

Call

The term "Call" denotes a communication including an off-hook signal and routing information initiated at the originating location and completed to a terminating location.

Cellular Mobile Carrier (CMC)

The term "Cellular Mobile Carrier (CMC)" denotes a Common Carrier authorized by the Federal Communications Commission to provide cellular mobile radio telecommunications services.

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**2. GENERAL REGULATIONS (Cont'd)**

**2.6 Definitions (Cont'd)**

Central Office

The term "Central Office" denotes a telephone company local switching system where telephone company local service subscriber station loops are terminated for purposes of interconnection to each other and to trunks.

Central Office Loop Around Test Line

The term "Central Office Loop Around Test Line" denotes equipment in the Telephone Company's end office which provides a means for making two-way transmission tests for Switched Access services. These transmission tests are normally for the measurement of level and noise tests. This arrangement has two terminations, each reached by means of a separate seven digit number.

Central Office Prefix

The term "Central Office Prefix" denotes the first three digits (NXX) of the telephone number assigned to a Telephone Company subscriber's local service.

Centralized Automatic Reporting on Trunks (CAROT) Testing

The term "Centralized Automatic Reporting on Trunks (CAROT) Testing" denotes a type of testing which includes the capacity for measuring the 1000 Hz loss, C-message weighted noise, C-notched noise, loss slope, and the provision of a balance termination.

Channelize

The term "Channelize" denotes the process of multiplexing-demultiplexing circuits using analog or digital techniques.

Circuit

The term "Circuit" denotes an electrical or photonic, in the case of fiber optic based transmission systems, communications path between two or more points of termination.

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**2. GENERAL REGULATIONS (Cont'd)****2.6 Definitions (Cont'd)****Committed Information Rate (CIR)**

The term "Committed Information Rate (CIR)" denotes the maximum information rate at which Customer traffic will be admitted to the Frame Relay network without being designated eligible for discard.

**Common Channel Signaling System 7 Network (CCS7)**

The term "Common Channel Signaling System 7 Network (CCS7)" denotes a dedicated out-of-band signaling network which utilizes Signaling System 7 (SS7) protocol to provide call handling and data base access services.

**Common Line**

The term "Common Line" denotes a line, trunk, coin line or other facility provided under other Company tariffs, terminated on a Central Office switch. A Common Line - Residence is a line or trunk provided under the residence regulations of other Company tariffs. A Common Line - Business is a line provided under the business regulations of other Company tariffs. A coin line is a line provided under the public and/or semipublic service regulations of other Company tariffs.

**Communications System**

The term "Communications System" denotes circuits and other facilities which are capable of communications between terminal equipment provided by other than the Telephone Company or Telephone Company stations.

**Confirmed ASR**

The term "Confirmed ASR" denotes a customer's ASR for a) Switched Access FIA which the Telephone Company has processed with the Engineering Department to confirm for the customer and the Telephone Company the availability of facilities and/or equipment and b) Special Access FIA for which the Telephone Company confirms to the customer that the established due date can be met. The date the ASR is confirmed, the standard service date interval commences.

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2. GENERAL REGULATIONS (Cont'd)

2.6 Definitions (Cont'd)

Confirming Design Layout Report Date

The term "Confirming Design Layout Report (CDLR) Date" identifies the date that the Telephone Company is scheduled to receive confirmation that the Design Layout Report provided by the Telephone Company for a confirmed ASR is acceptable.

Conventional Signaling

The term "Conventional Signaling" denotes the inter-machine signaling system which has been traditionally used in North America for the purpose of transmitting the called number's address digits from the originating end office to the switching machine which will terminate the call. In this system, all of the dialed digits are received by the originating switching machine, a path is selected, and the sequence of supervisory signals and outpulsed digits is initiated. No overlap outpulsing, ten-digit ANI, ANI information digits, or acknowledgement wink are included in this signaling sequence.

Customer

The term "Customer" denotes any individual, partnership, association, joint stock company, trust, corporation, or governmental entity or any other entity which subscribes to the services offered under this tariff.

Customer Designated Location

The term "Customer Designated Location" (CDL) denotes a location specified by the customer for the purpose of terminating FIA services. The Telephone Company must have access to the location to perform installation, testing, and maintenance functions. The customer may or may not have access to the location. CDLs include locations such as customer premises, end user premises, customer repeater stations, customer microwave towers, a Telephone Company's first point of switching, some other point where Telephone Company testing can occur, etc. A CDL may be designated by the customer for Switched Access, Special Access, or both in combination. Customer transmission facilities and equipment may be terminated in Telephone Company wire centers or access tandems under EIS arrangements, as defined in Section 17. Telephone Company Switched and Special Access Services may be interconnected to such customer equipment using the Cross Connect arrangement as described in Section 4.5.3 and 5.1.1(D), respectively.

When a customer orders Special Access to connect to a Telephone Company Switch, that switch is a CDL where the Special Access Service Terminates.

(N)  
(N)

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**2. GENERAL REGULATIONS (Cont'd)**

**2.6 Definitions (Cont'd)**

D-Conditioning

The term "D-Conditioning" denotes a Telephone Company special treatment of the transmission path in order to control C-notched noise and intermodulation distortion.

Daily Busiest Hour

The term "Daily Busiest Hour" denotes the highest usage hour for each day with the reading taken on the clock hour or half hour. The clock hour or half hour selection varies from day to day, depending upon the usage measured. The Daily Busiest Hour is also known as the Bouncing Busy Hour.

Data Transmission (107-Type) Test Line

The term "Data Transmission (107-Type) Test Line" denotes an arrangement which provides for the connection to a signal source which provides test signals for one-way testing of data and voice transmission parameters.

Dual Tone Multifrequency Address Signaling

The term "Dual Tone Multifrequency (DTMF) Address Signaling" denotes a type of signaling that is an optional feature of FGA and BSA-A. It may be utilized when FGA or BSA-A is being used in the terminating direction. An office arranged for signaling would expect to receive address signals from the IC in the form of DTMF format.

Echo Path Loss

The term "Echo Path Loss" denotes the measure of reflected signal at a four-wire interface without regard to the send and receive Transmission Level Point (TLP).

Echo Return Loss

The term "Echo Return Loss" denotes a frequency weighted measure of return loss over the middle of the voiceband (approximately 500 to 2500 Hz) where talker echo is most annoying.

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2. **GENERAL REGULATIONS** (Cont'd)

2.6 **Definitions** (Cont'd)

End Office Switch

The term "End Office Switch" denotes a Telephone Company local switching system located in a wire center where Telephone Company local service subscriber station loops are terminated for purposes of originating and terminating traffic to or from a customer.

End User

The term "End User" means any customer of an intrastate or foreign telecommunications service that is not a carrier, except that a carrier, other than the Telephone Company, shall be deemed to be an "end user" to the extent that such carrier uses a telecommunications service for administrative purposes, and a person or entity 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 on the premises of such reseller (e.g., hotels, motels and shared tenant services).

Engineering Review

The term "Engineering Review" denotes the examination of an ASR with a customer requested change to determine if a design change is required. It includes, but is not limited to, the review for possible change requirements in equipment, interfaces, circuit configurations, engineering records, and billing.

Entry Switch

See First Point of Switching.

Excess Capacity

The term "Excess Capacity" denotes a quantity of FIA requested by the customer which is greater than that which the Telephone Company would construct to fulfill the customer's ASR.

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**2. GENERAL REGULATIONS (Cont'd)****2.6 Definitions (Cont'd)**Exchange

The term "Exchange" denotes a unit generally smaller than a Market Service Area (MSA), established by the Telephone Company 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. One or more designated exchanges comprise a given MSA.

Exchange Access Signaling

The term "Exchange Access Signaling" denotes the signaling system used by equal access end offices to transmit originating information and address digits to the customer's premises and includes the means of verifying the receipt of these address digits. Features of this system include overlap outpulsing (in suitably equipped end offices), identification of the type of call, identification of the ten-digit telephone number of the calling party, and acknowledgement wink supervisory signals.

Existing Suitable Space

The term "Existing Suitable Space" denotes a space in which ac/dc power, heat and air conditioning, battery and generator back-up power, and other requirements necessary for provision of wire center or access tandem equipment currently exists.

Exit Message

The term "Exit Message" denotes an SS7 message sent to an end office by the Telephone Company tandem switch to mark the connect time when the Telephone Company's tandem switch sends an Initial Address Message to a customer.

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**2. GENERAL REGULATIONS (Cont'd)**

**2.6 Definitions (Cont'd)**

Extended Area Service

The term "Extended Area Service" (EAS) denotes an arrangement whereby a customer in one exchange can call a local number in another exchange that is part of the extended area without paying a toll charge.

Facility

The term facility denotes generically the various transmission media used for the transmission of telecommunications services. This includes, but is not limited to, cable (copper pair, coaxial, and fiber optic) and microwave radio equipment.

Firm Order Confirmation Date

The term "Firm Order Confirmation (FOC) Date" denotes the date that the Telephone Company will provide the schedule of dates for the provisioning activities associated with the customer's request for service.

First Point of Switching

The term "First Point of Switching" denotes either the first Telephone Company location at which switching occurs on the terminating path of a call proceeding from the CDL to the terminating end office or the last Telephone Company location at which switching occurs on the originating path of a call proceeding from the originating end office to the CDL.

Flexible Automatic Number Identification (FLEX ANI)

The term "Flexible Automatic Number Identification" denotes an optional feature or Basic Service Element that provides additional values for the information indicator digits available with the ANI feature on originating calls. These additional digits identify the type of line that is originating the call for billing, screening and routing purposes.

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**2. GENERAL REGULATIONS (Cont'd)**

**2.6 Definitions (Cont'd)**

Four-Wire to Two-Wire Conversion

The term "Four-Wire to Two-Wire Conversion" denotes an arrangement which converts a four-wire transmission path to a two-wire transmission path to allow a four-wire facility to terminate in a two-wire entity such as a Central Office switch trunk circuit or switching system.

Frame

The term "Frame" denotes a group of data bits, in a specific format, with a flag at either end to indicate the beginning and end of the frame. The defined format enables network equipment to recognize the meaning and purpose of specific bits.

Frame Relay Access Line

The term "Frame Relay Access Line" denotes a facility which provides access to the Frame Relay Network connecting customer facilities at the network interface with a corresponding Frame Relay Port.

Frame Relay Port

The term "Frame Relay Port" denotes the physical entry points for access lines and the originating and terminating points for Permanent Virtual Circuits (PVCs). Ports include the electronic equipment used in connecting these service elements to the Frame Relay Network, and enable customers to allocate bandwidth to applications, as needed, at customer designated transmission speeds of either 56 Kbps or 1.544 Mbps.

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**2. GENERAL REGULATIONS (Cont'd)**

**2.6 Definitions (Cont'd)**

Ground Start Supervisory Signaling

The term "Ground Start Supervisory Signaling" denotes a type of signaling which provides for the application of ground on the tip side at the point of termination (assuming no signaling conversion has been provided by the Telephone Company) as an initial seizure signal before the application of ringing in the originating direction (towards the customer from the end office).

Immediately Available Funds

The term "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 includes 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

The term "Individual Case Basis" (ICB) denotes a condition where the regulations, if applicable, rates and charges for an offering under the provisions of this tariff are developed based on the circumstances in each case.

Information Service Provider

The term "Information Service Provider" denotes one who offers a capability for generating, acquiring, storing, transforming, processing, retrieving, utilizing, or making available information which may be conveyed via telecommunications, except that such service does not include (1) any use of any such capability for the management, control, or operation of a telecommunications system or the management of a telecommunications service, or (2) the provision of time, weather, and such other similar audio services that are offered by Citizens Communications.

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**2. GENERAL REGULATIONS (Cont'd)**

**2.6 Definitions (Cont'd)**

Initial Address Message (IAM)

The term "Initial Address Message (IAM)" denotes an SS7 message sent in the forward direction to initiate trunk set up with the busy of an outgoing trunk which carries the information about that trunk along with other information relating to the routing and handling of the call to the next switch.

Installed Cost

The term "Installed Cost" denotes the total cost (estimated or actual) by the Telephone Company to provide facilities for the offered services.

Interconnection

The term "Interconnection" denotes the termination of a customer's basic transmission facilities, including optical terminating equipment and multiplexers at or near Telephone Company wire center or access tandem. Interconnection may be provided as either physical or virtual.

Interconnection Point

The term "Interconnection Point" denotes physical EIS arrangements as the point where the customer-owned cable facilities connect to the Telephone Company termination equipment. The interconnection point for virtual EIS arrangements is the demarcation between ownership of the cable facilities.

Interexchange Carrier (IC) or Interexchange Common Carrier

The terms "Interexchange Carrier" (IC) or "Interexchange Common Carrier" denote any individual, partnership, association, joint stock company, trust, governmental entity or corporation engaged for hire in intrastate or foreign communication by wire or radio, between two or more MSAs.

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**2. GENERAL REGULATIONS (Cont'd)**

**2.6 Definitions (Cont'd)**

Intermodulation Distortion

The term "Intermodulation Distortion" denotes a measure of the nonlinearity of a circuit. It is measured using four tones, and evaluating the ratios (in dBs) of the transmitted composite four-tone signal power to the second-order products of the tones (R2), and third-order products of the tones (R3).

Interstate Communications

The term "Interstate Communications" denotes both interstate and foreign communications.

Intrastate Communications

The term "Intrastate Communications" denotes any communications within the state subject to oversight by the Illinois Commerce Commission as provided by the laws of Illinois.

Kilosegment

The term "Kilosegment" denotes a unit of packet transmission defined as 64,000 bytes of data; one thousand segments.

Line

The term "Line" denotes a communications path connecting an end office switch with an end user's premises or a CDL for the provision for FGA or BSA-A.

Line Group

The term "Line Group" denotes a grouping of lines which are traffic engineered as a unit for the establishment of connections between end office switches and customers in which all of the communications paths are interchangeable.

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**2. GENERAL REGULATIONS (Cont'd)**

**2.6 Definitions (Cont'd)**

Line Side Connection

The term "Line Side Connection" denotes a connection of a transmission path to the line side of an end office system.

Logical Channel

The term "Logical Channel" denotes a communication channel which allows two-way simultaneous transmission of data packets through the network. No circuit capability is preassigned to a logical channel. Capacity is made available as the data is transmitted. Each virtual connection utilizes one logical channel.

Market Service Area

The term "Market Service Area" (MSA) denotes a geographic area for the provision and administration of communications service. It encompasses designated Access Areas which are grouped to serve common social, economic, and other purposes.

Maximum Burst Rate [B(e)]

The term "Maximum Burst Rate [B(e)]" denotes the maximum information rate at which Customer traffic will be admitted to the Frame Relay network. Traffic rates in excess of B(e) will be automatically discarded on ingress to the network.

Maximum Termination Liability

The term "Maximum Termination Liability" (MTL) denotes the maximum amount of money for which the customer is liable in the event all FIA ordered in a Special Construction case are discontinued before a specified period of time.

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**2. GENERAL REGULATIONS (Cont'd)**

**2.6 Definitions (Cont'd)**

Maximum Termination Liability Period

The term "Maximum Termination Liability Period" denotes the length of time the customer is liable for a termination charge in the event specially constructed FIA are terminated. The MTL period is equal to the average account life of the FIA provided.

Mid Link

The term "Mid Link" denotes the Special Transport facilities between Hub Wire Centers where the circuit is bridged and/or where switching devices, such as a loop transfer arrangement, are located.

Milliwatt (102-Type) Test Line

The term "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 CDL from the Telephone Company end office.

Mobile Telephone Switching Office (MTSO)

The term "Mobile Telephone Switching Office (MTSO)" denotes a Cellular Mobile Carrier (CMC) switching facility that is used to originate or terminate calls on the CMC network, or originate or terminate calls between the CMC and the public switched telephone network.

Multicarrier Access Area

The term "Multicarrier Access Area" denotes an EAS for FGA and BSA-A or an area for FGB and BSA-B where FIA Services are provided by more than one telephone company in which a customer obtains access to an entire EAS or FGB or BSA-B area by obtaining a FGA or BSA-A, or FGB or BSA-B, access tandem arrangement that connects its switch with the First Point of Switching of the Primary Exchange Carrier.

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**2. GENERAL REGULATIONS (Cont'd)**

**2.6 Definitions (Cont'd)**

National Security Emergency Preparedness (NSEP) Services

The term "National Security Emergency Preparedness (NSEP) Services" denotes telecommunications services which are used to maintain a state of readiness or to respond to and manage any event or crisis (local, national or international), which causes or could cause injury or harm to the population, damage to or loss of property, or degrades or threatens the NSEP posture of the United States.

Net Salvage

The term "Net Salvage" denotes the estimated scrap, sale, or trade-in value, less the estimated cost of removal. Cost of removal includes the costs of demolishing, tearing down, removing, or otherwise disposing of the material and any other applicable costs. Because the cost of removal may exceed salvage, facilities may have negative net salvage.

Network Address

The term "Network Address" denotes the alphanumeric character string used to specify the destination of each switched connection made within the network.

Network Channel Interface Code

The "Network Channel Interface" code (NCI) is an ordering code that provides an indication of the generic channel type. The NCI code provides the technical characteristics of the interface and describes the physical and electrical characteristics of the special access interface to the customer designated locations. A complete description and listing of these interface codes is specified in Section 6103 of the GTE Technical Interface Reference Manual.

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**2. GENERAL REGULATIONS (Cont'd)**

**2.6 Definitions (Cont'd)**

Non-Overlap Outpulsing

The term "Non-Overlap Outpulsing" is the feature of the exchange access signaling system which provides initiation of pulsing to the customer's premises after the calling subscriber has completed dialing an originating call.

Nonrecoverable Cost

The term "Nonrecoverable Cost" denotes the cost of the specially constructed facilities for which the Telephone Company has no foreseeable use should the customer terminate service.

Nonsynchronous Test Line

The term "Nonsynchronous Test Line" denotes an arrangement in step-by-step end offices which provides operational tests which are not as complete as those provided by the synchronous test lines, but which can be made more rapidly.

North American Numbering Plan

The term "North American Numbering Plan" denotes a three-digit area or Numbering Plan Area (NPA) code and a seven-digit telephone number made up of a three-digit Central Office code (NXX) plus a four-digit station number (XXXX).

NSEP Treatment

The term "NSEP" Treatment denotes the provisioning of a telecommunications service before others based on the provisioning priority level assigned by the Executive Office of the President.

Octet

The term "Octet" denotes a group of eight binary digits operated upon as an entity.

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**2. GENERAL REGULATIONS (Cont'd)**

**2.6 Definitions (Cont'd)**

Off-Hook

The term "Off-Hook" denotes the active condition of Switched Access or a Telephone Company local service line.

On-Hook

The term "On-Hook" denotes the idle condition of Switched Access or a Telephone Company local service line.

Open Circuit Test Line

The term "Open Circuit Test Line" denotes an arrangement in an end office which provides an ac open circuit termination of the trunk or line by means of an inductor of several Henries.

Order Interval

The term "Order Interval" denotes the interval between the Scheduled Issue Date and the Service Date.

Originating Direction

The term "Originating Direction" denotes the use of Switched Access for the origination of calls from an end user to a CDL.

Overlap Outpulsing

The term "Overlap Outpulsing" is the feature of the exchange access signaling system which permits initiation of pulsing to the customer's premises before the calling subscriber has completed dialing an originating call.

OZZ Code

The term "OZZ Code" denotes the service class routing code of a multifrequency (MF) call that indicates the interexchange carrier trunk group to which the traffic will be routed (e.g., 0+, 0-, 500, 900, etc.).

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**2. GENERAL REGULATIONS (Cont'd)**

**2.6 Definitions (Cont'd)**

Packet

The term "Packet" denotes a continuous sequence of binary digits of information which is switched through the network as an integral unit. The user data is divided into segments for billing purposes. The number of segments contained in a packet is dependent upon the packet size.

Packet Switch

The term "Packet Switch" denotes a central office based switch that establishes a virtual connection between two data network addresses for the transmission of discrete amounts of information.

Packet Switching Office

The term "Packet Switching Office" denotes the central office where the packet switching functions are performed and access to the packet network is accomplished.

Permanent Virtual Circuit (PVC)

The term "Permanent Virtual Circuit (PVC)" denotes a logical channel, defined in software, that establishes a path from one customer port to another.

Physical EIS

The term "Physical EIS" denotes an offering that enables customers to place equipment needed to terminate basic transmission facilities, including optical terminating equipment and multiplexers, within or upon the Telephone Company's wire center or access tandem buildings, use such equipment to connect customer's fiber optic systems or microwave radio transmission facilities (where reasonably feasible) with the local exchange carrier's equipment and facilities used to provide intrastate special access services. premises before the calling subscriber has completed dialing an originating call.

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2. **GENERAL REGULATIONS** (Cont'd)

2.6 **Definitions** (Cont'd)

Plant Test Date

The term "Plant Test Date" denotes the date on which installation is completed and the Telephone Company to customer testing can begin.

Point of Termination

The term "Point of Termination" denotes the point of demarcation at a CDL or end user premises at which the Telephone Company's responsibility for the provision of FIA Service ends.

Premises

The term "Premises" denotes a building or buildings on continuous property (except Railroad Right-of-Way, etc.) not separated by a public highway.

Pre-service Testing

The term "Pre-service Testing" denotes tests performed on a FIA to assure standard transmission performance/parameters meet specifications prior to acceptance testing.

Primary Exchange Carrier

The term "Primary Exchange Carrier" (PEC) denotes the telephone company in whose exchange a customer's first point of switching (i.e., dial tone for FGA or BSA-A, an access tandem for FGB or BSA-B) is located.

Protocol

The term "Protocol" denotes a set of rules governing the format to be followed when transmitting information between communicating devices.

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2. GENERAL REGULATIONS (Cont'd)

2.6 Definitions (Cont'd)

Public Pay Telephone

The term "Public Pay Telephone" denotes a switched coin line provided under the Public Telephone Service regulations as set forth in other Tariffs of the Company.

Query

The term "Query" denotes a Signaling System 7 (SS7) message requesting specific information from a data base.

Recoverable Cost

The term "Recoverable Cost" denotes the cost of specially constructed facilities for which the Telephone Company has a foreseeable reuse, either in place or elsewhere should the customer terminate service.

Registered Equipment

The term "Registered Equipment" denotes the customer's terminal equipment which complies with or has been approved within the Registration Provisions of Part 68 of the FCC Rules and Regulations.

Release Message

The term "Release Message" denotes an SS7 Message sent in either direction to indicate that a specific circuit is being released.

Route Mileage

The term "Route Mileage" denotes the actual Telephone Company provided facility mileage of a transmission circuit.

Scheduled Issue Date

The term "Scheduled Issue Date" denotes the date the Telephone Company is scheduled to issue the confirmed ASR to all associated work groups.

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**2. GENERAL REGULATIONS (Cont'd)**

**2.6 Definitions (Cont'd)**

Secondary Exchange Carrier

The term "Secondary Exchange Carrier" (SEC) denotes the telephone company in whose exchange a customer does not subscribe to FGA or BSA-A, or FGB or BSA-B service, but from whose exchange the customer's end users can call the interexchange switch or CDL of an IC in the primary exchange of another telephone Company on a toll-free basis.

Segment

The term "Segment" denotes a unit of user information consisting of 64 octets or less. Billing for Packet Switching Network Service is based on the number of segments transmitted within the user data field of a packet. The number of segments transmitted within a packet is limited only by the subscribed or negotiated maximum size of the user data field for the customer interface.

Semipublic Pay Telephone

The term "Semipublic Pay Telephone" denotes a switched coin line provided under the Semipublic Telephone Service regulations as set forth in other Tariffs of the Company.

Service Date

The term "Service Date" denotes the date that the FIA is to be placed in service. A confirmed ASR is required to establish a service date.

Serving Wire Center

The term "Serving Wire Center" denotes the wire center from which the customer designated location would normally obtain dial tone from the Telephone Company. The "Serving Wire Center" is designated by the Telephone Company based upon the location being served.

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2. **GENERAL REGULATIONS** (Cont'd)

2.6 **Definitions** (Cont'd)

Seven-Digit Manual Test Line

The term "Seven-Digit Manual Test Line" denotes a set of optional features for all Switched Access which allow the IC to select balance, milliwatt, and synchronous test lines of FGA and BSA-A, by manually dialing a seven-digit number over the associated Switched Access.

Short Circuit Test Line

The term "Short Circuit Test Line" denotes the end office circuit which provides an ac short circuit termination of the trunk or line by means of a capacitor of at least 4 microfarads.

Signal Transfer Point

The term "Signal Transfer Point (STP)" denotes a packet switch which provides access to the Telephone Company's SS7 network and performs SS7 message signal routing and screening. The technical interface specifications, transmission specifications, and diversity requirements for interconnecting to the Telephone Company's SS7 network at the STP are as described in Bellcore Technical Reference Publication TR-TSV-000905.

Signaling System 7 (SS7)

The term "Signaling System 7 (SS7)" denotes the layered protocol used for standardized common channel signaling in the United States.

Synchronous Test Line

The term "Synchronous Test Line" denotes an arrangement of an end office which performs marginal operational tests of supervisory and ring-tripping functions.

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**2. GENERAL REGULATIONS (Cont'd)**

**2.6 Definitions (Cont'd)**

Telecommunications Service Priority (TSP) System

The term "Telecommunications Service Priority (TSP) System" or "TSP System" refers to the regulatory, administrative and operational system authorizing and providing for priority treatment (i.e., the provisioning and restoration) or NSEP Services.

Temporary Facilities

The term "Temporary Facilities" denotes facilities used to provide FIA to a customer for less than the minimum service period or less than one month, whichever is longer, or to provide FIA while permanent facilities are being constructed.

Terminating Direction

The term "Terminating Direction" denotes the use of Switched Access for the completion of calls from a CDL to an end user.

Trunk

The term "Trunk" denotes a communications path connecting two switching systems in a network, used in an end-to-end connection.

Trunk Group

The term "Trunk Group" denotes a grouping 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.

Trunk Side Connection

The term "Trunk Side Connection" denotes the connection of a transmission path to the trunk side of an end office switch.

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**2. GENERAL REGULATIONS (Cont'd)**

**2.6 Definitions (Cont'd)**

V & H Coordinates Method

The term "V & 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.

Virtual Connection

The term "Virtual Connection" denotes a logical channel resulting from call establishment to a network address that exists until the call is terminated by either party.

Virtual EIS

The term "Virtual EIS" denotes an offering that enables customers to designate or specify equipment needed to terminate basic transmission facilities, including optical terminating equipment and multiplexers, to be located within or upon Telephone Company's wire center or access tandem buildings, and dedicated to such customers use.

WATS Access

The term "WATS Access" is an access service provided to customers for the purpose of enabling the provision of WATS. WATS Access is provided by the Telephone Company using a combination of the WATS Special Access Service surrogate billed to the end user as reflected in the WATS Access Line Charges set forth in other Tariffs of the Company, Switched Access Service and a WATS Switched Interface as offered within this tariff. The use of the Special Access surrogate in lieu of a common line at the closed end exempts traffic at the closed end from Carrier Common Line Charges.

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**2. GENERAL REGULATIONS (Cont'd)**

**2.6 Definitions (Cont'd)**

WATS Serving Office

The term "WATS Serving Office" denotes a Telephone Company designated serving wire center where switching, screening and/or recording functions are performed in connection with a Special Access Line used with a Switching Interface as in 4.2.5(V).#

Wire Center

The term "Wire Center" denotes a location in which one or more central office switches, and cross connection equipment used for the provision of Telephone Company telecommunications services, are located.

Wire Center Area

The term "Wire Center Area" denotes the geographic area served by a Wire Center through the use of central office switching equipment, cross connection equipment, and subscriber loops.

X.25 Protocol

The term "X.25 Protocol" denotes an interface between Data Terminal Equipment and Data Circuit Terminating Equipment for terminals operating in the packet mode on public data networks.

X.75 Protocol

The term "X.75 Protocol" denotes terminal and transit call control procedures and data transfer system on circuits between packet switched data networks.

# The use of the terms WATS or WATS-type throughout this tariff is primarily for ordering purposes and is not intended to restrict the use of the customer services when ordering Special Access and Switched Access in combination.

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**2. GENERAL REGULATIONS (Cont'd)**

**2.7 FIA Services Provided By More Than One Telephone Company**

**2.7.1 General**

When Switched Transport or Special Transport service is provided by more than one telephone company, the telephone companies involved will mutually agree upon one of the billing methods based upon the type of access service and the interconnection arrangements between the telephone companies.

The telephone company will notify the customer which billing method will be used. The customer will place the ASR as in 3.3.

**2.7.2 Single Company Billing:**

The Single Company Billing method may be applied to FGA and BSA-A Switched Access Service.

The telephone company receiving the ASR from the customer, as specified in 3.3(A)(1) following, will arrange to provide the service, determine the applicable charges and bill the customer for the entire service in accordance with its Access tariff. The airline mileage is determined using the V&H method as in the Exchange Carrier Association (ECA) Tariff FCC No. 4.

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**2. GENERAL REGULATIONS (Cont'd)**

**2.7 FIA Services Provided By More Than One Telephone Company (Cont'd)**

**2.7.3 Meet Point Billing:**

Meet Point Billing is required when an access service is provided by multiple Telephone Companies for FGB, FGC, FGD, BSA-B, BSA-C and BSA-D Switched Access services and Special Access. It is optional for FGA and BSA-A Switched Access Services.

There are two Meet Point Billing Options - Single Bill and Multiple Bill. The Telephone Company must notify the customer of:

- the Meet Point Billing Option that will be used,
- the Telephone Company(s) that will render the bill(s),
- the Telephone Company(s) to whom payment(s) should be remitted, and
- the Telephone Company(s) that will provide the bill inquiry function.

The Telephone Company shall provide such notification at the time that an ASR is placed requesting access service. Additionally, the Telephone Company shall provide this notice in writing 30 days in advance of any change.

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**2. GENERAL REGULATIONS (Cont'd)**

**2.7 FIA Services Provided By More Than One Telephone Company (Cont'd)**

**2.7.3 Meet Point Billing (Cont'd):**

(A) Single Bill Option

The Single Bill Option allows the customer to receive one bill from one telephone company or its billing agent for access services.

The Telephone Company(s) that renders the bill to the customer may provide to the customer, cross references to the other Telephone Company(s) service and/or the common circuit identifiers based upon industry standards as contained in the MECAB document. Should a billing dispute arise, the terms and conditions of the Billing Company(s) will apply.

For usage rated access services the access minutes of use will be compiled by the Initial Billing Company and used by the Initial Billing Company and any subsequent Billing Company(s) for the development of access charges.

- The Initial Billing Company for FGB, FGC, FGD, BSA-B, BSA-C and BSA-D Switched Access services is normally the end user's serving office and for WATS usage the Initial Billing Company is normally the WATS serving office. When the Initial Billing Company is other than the normally designated Telephone Company, the Telephone Company will notify the customer.
- The Subsequent Billing Company(s) is any Telephone Company(s) in whose territory a segment of the Switched Transport Facility is provided and/or where the CDL is located.

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**2. GENERAL REGULATIONS (Cont'd)**

**2.7 FIA Services Provided By More Than One Telephone Company (Cont'd)**

**2.7.3 Meet Point Billing (Cont'd):**

(A) Single Bill Option (Cont'd)

The Single Bill option provides three billing alternatives, Single Bill/Single Tariff, Single Bill/Pass-Through Billing and Single Bill/Multiple Tariff which are described following:

(1) Single Bill/Single Tariff

Each Telephone Company will receive an ASR or a copy of the ASR from the customer as specified in 3.3(A)(2) and arrange to provide the service. The Initial Billing Company will:

- determine the applicable charges and bill in accordance with its tariff;
- include all recurring and nonrecurring rates and charges of its tariff; and
- forward the bill to the customer.

The customer will remit the payment to the Initial Billing Company.

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**2. GENERAL REGULATIONS (Cont'd)**

**2.7 FIA Services Provided By More Than One Telephone Company (Cont'd)**

**2.7.3 Meet Point Billing (Cont'd):**

(A) Single Bill Option (Cont'd)

(2) Single Bill/Pass-Through Billing

Each Telephone Company will receive an ASR or a copy of the ASR from the customer as specified in 3.3(A)(2) and arrange to provide the service. Each Telephone Company will:

- determine its portion of Switched Transport and/or Special Transport as in 2.7(A)(2)(c);
- determine the applicable charges and bill in accordance with its tariff;
- include all recurring and nonrecurring rates and charges of its tariff; and
- forward the bill to the Initial Billing Company for meet point billed access services.

The Initial Billing Company will:

- apply usage data, when needed, to the bill and calculate the charges;
- identify each involved Telephone Company's charges separately on the bill;
- combine all the bills of the involved Telephone Companies of a meet point billed access service into one access bill;
- forward the bill to the customer; and
- advise the customer how to remit the payment, either directly to each Telephone Company involved in the provision of this meet point billed service; or, as a single payment made to the Initial Billing Company. If payments are to be sent directly to the Initial Billing Company, the Subsequent Billing Company(s) will provide the customer with written authorization for the payment arrangement.

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2. **GENERAL REGULATIONS** (Cont'd)

2.7 **FIA Services Provided By More Than One Telephone Company** (Cont'd)

2.7.3 **Meet Point Billing** (Cont'd):

(A) Single Bill Option (Cont'd)

(3) Single Bill/Multiple Tariff

Each Telephone Company will receive an ASR or a copy of the ASR from the customer as specified in 3.3(A)(2) and arrange to provide the service. The Initial Billing Company will:

- determine each Telephone Company's portion of switched transport and/or special transport as in 2.7.(A)(2)(c);
- determine the applicable charges and bill in accordance with each Telephone Company's tariff;
- include all recurring and nonrecurring charges for each involved Telephone Company;
- identify each involved Telephone Company's charges separately on the bill;
- forward the bill to the customer; and
- advise the customer how to remit the payment, either directly to each Telephone Company involved in the provision of this meet point billed service; or, as a single payment made to the Initial Billing Company. If payments are to be sent directly to the Initial Billing Company, the Subsequent Billing Company(s) will provide the customer with written authorization for the payment arrangement.

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**2. GENERAL REGULATIONS (Cont'd)**

**2.7 FIA Services Provided By More Than One Telephone Company (Cont'd)**

**2.7.3 Meet Point Billing (Cont'd):**

(B) Multiple Bill Option

The Multiple Bill option allows all Telephone Companies providing service to bill the customer for their portion of a jointly provided access service. Each Telephone Company will:

- determine its portion of the Switched Transport and/or Special Transport as set forth in 2.7(A)(2)(c);
- determine the applicable charges and bill in accordance with its tariff;
- include all recurring and nonrecurring rates and charges of its tariff; and
- forward the bill to the customer.

The customer will remit the payments directly to each Telephone Company.

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**2. GENERAL REGULATIONS (Cont'd)**

**2.7 FIA Services Provided By More Than One Telephone Company (Cont'd)**

**2.7.3 Meet Point Billing (Cont'd):**

(C) Meet Point Billing Mileage Calculation

Each Telephone Company's portion of the Switched Transport and/or Special Transport mileage will be determined as follows:

- (1) For Switched Access Tandem-Switched Transport Services, determine the appropriate Tandem-Switched Transport - Facility total miles by computing the number of miles from the access tandem to the serving wire center in the Access Area (i.e., end user serving wire center, or WATS Serving Office), using the V&H method as set forth in the NECA Tariff FCC No. 4. For Special Access Services, and Switched Access Direct-Trunked Transport determine the appropriate Special Transport or Direct-Trunked Transport total miles by computing the number of miles between the serving wire centers involved (i.e., CDL serving wire center, Hub Wire Center, WATS Serving Office, end office, or access tandem) using the V&H method as set forth in the NECA Tariff FCC No. 4. Where the calculated miles include a fraction, the value is rounded up to the next full mile.
- (2) Determine the billing percentage (BP), as set forth in the NECA Tariff FCC No. 4. This represents the portion of the Service provided by each telephone company.
- (3) When Tandem Switched Transport is provided to a terminating carrier different from a Frontier Telephone ILEC Company, Terminating – Tandem 3<sup>rd</sup> party rates are applicable otherwise Terminating –Tandem Affiliate rates are applicable. When originating Tandem Switched Transport is provided, Originating rates are applicable.

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2. **GENERAL REGULATIONS** (Cont'd)

2.7 **FIA Services Provided By More Than One Telephone Company** (Cont'd)

2.7.3 **Meet Point Billing** (Cont'd):

(C) Meet Point Billing Mileage Calculation (Cont'd)

(4) For Switched Access Tandem-Switched Transport; (a) multiply the number of access minutes of use times the number of airline miles as set forth in (1), times the BP of each Telephone Company as set forth in (2), times the Tandem-Switched Transport- Facility rate; (b) multiply the Tandem-Switched Transport - Termination rate times the number of access minutes times the quantity of terminations.

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2. **GENERAL REGULATIONS** (Cont'd)

2.7 **FIA Services Provided By More Than One Telephone Company** (Cont'd)

2.7.3 **Meet Point Billing** (Cont'd):

(C) Meet Point Billing Mileage Calculation (Cont'd)

(5) Examples

Example 1 – Originating Switched Access

- Feature Group D Switched access is ordered to End Office.
- Originating End Office and Access Tandem are in the operating territory of a Telephone Company (TC-A).
- Customer Designated Premises is in the operating territory of a Telephone Company (TC-B)
- Assumptions:
  - TC-A Direct Trunk Transport BP = 40%
  - TC-B Direct Trunk Transport BP = 60%
  - Direct Trunked Transport mileage = 26 mi.
  - Tandem Switched Transport mileage = 23 mi.
- Telephone Company A charges are:
  - End Office charges = 9,000 min. x EO rate
  - Tandem Switched Transport Facility charge = 9,000 min. x 23 mi. x TSF rate
  - Tandem Switched Transport Termination charge = 2 terminations x 9,000 min. x TST rate
  - Tandem Switching Rate = 9,000 min. x TS rate
  - Direct Trunked Facility charge = 26 mi. x DTF rate x 40%
  - Direct Trunked Termination charge = 1 termination x DTT rate
  - Shared Multiplexing charge = 9,000 min. x 23 mi. x SM rate

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**2. GENERAL REGULATIONS (Cont'd)**

**2.7 FIA Services Provided By More Than One Telephone Company (Cont'd)**

**2.7.3 Meet Point Billing (Cont'd):**

(C) Meet Point Billing Mileage Calculation (Cont'd)

(5) Examples (Cont'd)

Example 2 – Terminating Switched Access – Tandem 3<sup>rd</sup> Party

- Feature Group D Switched Access is ordered to End Office.
- Terminating Access Tandem is owned by Frontier Telephone ILEC Companies (TC-A) and end office is owned by a non-Frontier Telephone ILEC Company.
- Assumptions:
  - TC-A Direct Trunk Transport BP = 40%
  - TC-B Direct Trunk Transport BP = 60%
  - Direct Trunk Transport mileage = 26 mi.
  - TC-A Tandem Switched Transport BP = 20%
  - TC-B Tandem Switched Transport BP = 80%
  - Tandem Switched Transport mileage = 23 mi.
- Telephone Company A charges are:
  - Tandem Switched Transport Facility-3<sup>rd</sup> Party charge = 9,000 min. x 23 mi. x TSF-3<sup>rd</sup> Party rate x 20%
  - Tandem Switched Transport Termination-3<sup>rd</sup> Party charge = 1 termination x 9,000 min. x TST – 3<sup>rd</sup> Party rate
  - Tandem Switching-3<sup>rd</sup> Party Rate = 9,000 min. x TS-3<sup>rd</sup> Party rate
  - Direct Trunked Facility charge = 26 mi. x DTF rate x 40%
  - Direct Trunked Termination charge = 1 termination x DTT rate
    - Shared Multiplexing 3<sup>rd</sup> Party Charge = 9,000 min. x 23 mi. x SM-3<sup>rd</sup> Party rate

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**2. GENERAL REGULATIONS (Cont'd)**

**2.7 FIA Services Provided By More Than One Telephone Company (Cont'd)**

**2.7.3 Meet Point Billing (Cont'd):**

(C) Meet Point Billing Mileage Calculation (Cont'd)

(5) Examples (Cont'd)

Example 3 –Terminating Switched Access Tandem End Office

- Feature Group D Switched Access is ordered to End Office.
- Terminating End Office and Access Tandem are both owned by Frontier Telephone ILEC Companies (TC-A).
- Assumptions:
  - TC-A Direct Trunk Transport BP = 40%
  - TC-B Direct Trunk Transport BP = 60%
  - Direct Trunk Transport mileage = 26 mi.
  - Tandem Switched Transport mileage = 23 mi.
- Telephone Company A charges are:
  - End office Charges = 9,000 min. x EO rate
  - Tandem Switched Facility – End Office charge = 9,000 min. x 23 mi. x TSF-End Office rate.
  - Tandem Switched Transport Termination –End Office charge = 2 terminations x 9.000 min. x TST-End Office rate.
  - Tandem Switching – End Office charge = 9,000 min. x TS-End Office rate
  - Direct Trunked Facility Charge = 26 mi x DTF rate x 40%
  - Direct Trunked Termination charge – 1 termination x DTT rate
  - Shared Multiplexing charge = 9,000 min. x 23 mi. x SM rate

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**2. GENERAL REGULATIONS (Cont'd)**

**2.7 FIA Services Provided By More Than One Telephone Company (Cont'd)**

**2.7.3 Meet Point Billing (Cont'd):**

(C) Meet Point Billing Mileage Calculation (Cont'd)

(5) Examples (Cont'd)

Example 4 –Terminating Switched Access-Tandem 3<sup>rd</sup> Party

- Feature Group D Switched Access is ordered to End Office.
- Terminating Access Tandem is owned by Frontier Telephone ILEC Companies (TC-A). Terminating End Office is owned by a non-Frontier Telephone ILEC Company.
- Assumptions:
  - Direct Trunk Transport mileage = 26 mi.
  - TC-A Tandem Switched Transport BP = 20%
  - TC-B Tandem Switched Transport BP = 80%
  - Tandem Switched Transport mileage = 23 mi.
- Telephone Company A charges are:
  - Tandem Switched Transport Facility-3<sup>rd</sup> Party charge = 9,000 min. x 23 mi. x TSF-3<sup>rd</sup> Party rate x 20%
  - Tandem Switched Transport Termination-3<sup>rd</sup> Party charge = 1 termination x 9,000 min. x TST – 3<sup>rd</sup> Party rate
  - Tandem Switching-3<sup>rd</sup> Party Rate = 9,000 min. x TS-3<sup>rd</sup> Party rate
  - Direct Trunked Facility charge = 26 mi. x DTF rate
  - Direct Trunked Termination charge = 2 terminations x DTT rate
  - Shared Multiplexing-3<sup>rd</sup> Party Charge = 9,000 min. x 23 mi. x SM-3<sup>rd</sup> Party rate

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**2. GENERAL REGULATIONS (Cont'd)**

**2.7 FIA Services Provided By More Than One Telephone Company (Cont'd)**

**2.7.3 Meet Point Billing (Cont'd):**

(C) Meet Point Billing Mileage Calculation (Cont'd)

(5) Examples (Cont'd)

Example 5 – Originating Switched Access Frontier Telephone ILEC Company owns only the End Office.

- Feature Group D Switched Access is ordered to End Office.
- End Office is owned by Frontier Telephone ILEC Companies (TC-A).
- Access Tandem is owned by a non-Frontier Telephone ILEC Company (TC-B)
- Assumptions:
  - Direct Trunk Transport mileage = 26 mi.
  - TC-A Tandem Switched Transport BP = 80%
  - TC-B Tandem Switched Transport BP = 20%
  - Tandem Switched Transport mileage = 23 mi.
- Telephone Company A charges are:
  - End Office Charges = 9,000 min. x EO rate
  - Tandem Switched Transport Facility charge = 9,000 min. x 23 mi. x TSF rate x 80%.
  - Tandem Switched Transport Termination charge = 1 termination x 9,000 min. x TST rate.

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**2. GENERAL REGULATIONS (Cont'd)**

**2.7 FIA Services Provided By More Than One Telephone Company (Cont'd)**

**2.7.3 Meet Point Billing (Cont'd):**

(C) Meet Point Billing Mileage Calculation (Cont'd)

(5) Examples (Cont'd)

Example 6 – Terminating Switched Access – Tandem 3<sup>rd</sup> Party

- Feature Group D Switched Access is ordered to End Office.
- End Office is owned by Frontier Telephone ILEC Companies (TC-A).
- Access Tandem is owned by a non-Frontier Telephone ILEC Company (TC-B)
- Telephone Company A charges are:
  - End Office Charges = 9,000 min. x EO rate
  - Tandem Switched Transport Facility-3<sup>rd</sup> Party charge = 9,000 min. x 23 mi. x TSF-3<sup>rd</sup> Party rate x 80%.
  - Tandem Switched Transport Termination-3<sup>rd</sup> Party charge = 1 termination x 9.000 min. x TST-3<sup>rd</sup> Party rate.

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**2. GENERAL REGULATIONS (Cont'd)**

**2.7 FIA Services Provided By More Than One Telephone Company (Cont'd)**

**2.7.3 Meet Point Billing (Cont'd):**

(C) Meet Point Billing Mileage Calculation (Cont'd)

(6) For Special Access and for Switched Access Direct-Trunked Transport, multiply the number of airline miles as in (1), times the BP for each telephone company as in (2), times the Special Transport or Direct-Trunked Transport Facility rate elements. For DS1 and DS3 Special Transport and DS1 and DS3 Direct-Trunked Transport, multiply the Special Transport Termination or Direct-Trunked Transport Termination rate times the number of terminations provided by the Telephone Company. (T)

(D) All other appropriate recurring and nonrecurring charges in each telephone company's Access tariff are applicable.

(E) Where the Tandem-Switched Transport - Facility is provided by more than one telephone company, the Tandem-Switched Transport - Termination rate applies for the termination at the Telephone Company end of the Tandem-Switched Transport (i.e., the first point of switching or the end office serving the end user). The Tandem-Switched Transport - Termination rate will not apply when the Telephone Company is the intermediate provider of the Switched Transport Facility.

(F) The Interconnection charge for Switched Transport shall be billed by the Telephone Company in whose territory the end office is located.

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**2. GENERAL REGULATIONS (Cont'd)**

**2.7 FIA Services Provided By More Than One Telephone Company (Cont'd)**

**2.7.3 Meet Point Billing (Cont'd):**

- (G) The Shared Trunk Port for Tandem-Switched Transport shall be billed by the Telephone Company in whose territory the end office is located.
- (H) For tandem routed trunks, the Dedicated Trunk Port shall be billed by the Telephone Company owning the tandem. For end office direct routed trunks, the Dedicated Trunk Port shall be billed by the Telephone Company owning the end office on a single bill, single tariff or multiple bill, multiple tariff meet point billing arrangement.
- (I) The Shared Multiplexing charge will be assessed to the interexchange carrier by the Telephone Company owning the access tandem under the multiple bill, multiple tariff meet point billing option, and to the initial billing company, by the Telephone Company owning the access tandem, under the single bill, single tariff meet point billing option.

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**2. GENERAL REGULATIONS (Cont'd)**

**2.7 FIA Services Provided By More Than One Telephone Company (Cont'd)**

**2.7.4 Zone Density Meet Point Billing**

When the Switched Transport facility (Direct-Trunked or Tandem-Switched Transport) and/or Special Transport is provided by more than one telephone company, the following regulations apply:

(A) Switched Access

- (1) End Office or Access Tandem is in Citizens Territory:
  - (a) Distance sensitive transport provided by the Telephone Company will be rated according to the zone of the Telephone Company's end office or Telephone Company's access tandem.
  - (b) The transport termination provided by the Telephone Company will be rated according to the zone assigned to the Telephone Company's end office or Telephone Company's access tandem.
  - (c) Tandem Switching will be rated according to the zone of the Telephone Company's access tandem.
- (2) Citizens is intermediate provider of the transport:
  - (a) Distance sensitive transport will be rated at Zone 1 rates.
  - (b) The transport termination rate does not apply if the Telephone Company is the intermediate provider of the transport facility.

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**2. GENERAL REGULATIONS (Cont'd)**

**2.7 FIA Services Provided By More Than One Telephone Company (Cont'd)**

**2.7.4 Zone Density Meet Point Billing (Cont'd)**

(B) Special Access

- (1) End Office or Access Tandem is in Citizens Territory:
  - (a) Special transport provided by the Telephone Company will be rated according to the zone of the Telephone Company's end office or Telephone Company's access tandem.
  - (b) The transport termination provided by the Telephone Company will be rated according to the zone assigned to the Telephone Company's end office or Telephone Company's access tandem.
- (2) Citizens is intermediate provider of the transport:
  - (a) Distance sensitive transport will be rated at Zone 1 rates.
  - (b) The transport termination rate does not apply if the Telephone Company is the intermediate provider of the transport facility.

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**3. ORDERING OPTIONS FOR FIA****3.1 General**

This section sets forth the regulations and order related charges for FIA Orders to provide the customer with FIA. These charges are in addition to other applicable charges in other sections of this Tariff.

**3.1.1 Ordering Conditions**

(A) A customer may order any amount of FIA (Switched or Special) of the same interface type, same Feature Group, same BSA or same Special Access between the same locations for installation on the same date on a single FIA ASR. A customer may order the changed use of Switched Access and Special Access over the same high capacity facility, however, separate FIA ASRs are required. The methodology for shared use is in 5.6.7.

- ASRs for FGA or BSA-A must specify the number of lines required.
- ASRs for FGB, FGC, FGD, BSA-B, BSA-C, BSA-D and SAC Access Service must specify the number of trunks required or Busy Hour Minutes of Capacity (BHMC). For Tandem-Switched Transport, the customer has the option of specifying the number of trunks or Busy Hour Minutes of Capacity (BHMC). In addition, the ASR must indicate whether the Switched Transport ordered is for Entrance Facilities, Direct-Trunked Transport and/or Tandem-Switched Transport. For Direct-Trunked Transport, and Entrance Facilities the ASR must specify channel type, channel interface, and any options desired. In addition, ASRs for Direct-Trunked Transport must specify Facility Hubs involved.

Additional ASR requirements for Switched Access Service are described in 4.2.5(V) and 4.3.2.

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3. ORDERING OPTIONS FOR FIA (Cont'd)

3.1 General (Cont'd)

3.1.1 Ordering Conditions (Cont'd)

- (B) The customer shall supply all details necessary to complete an order. The details may include the following: requested service date, customer name, customer designated location, end office, Interface Arrangement, type of Switched Access or Special Access, Supplemental Features, End Office Services and Signaling Interface, and originating and terminating capacity required. The customer may also be required to provide end user name and location, end user contact person, and end user premises access information to complete an order for Special Access.

When a customer orders mixed interstate and intrastate Switched Access, the customer is required to provide an estimate of the percent of traffic, as described in 4.3.3, which will be interstate. If the customer fails to provide this estimate, the order will not be processed until such time as the customer provides this estimate.

When a customer orders mixed-use special access service, the customer must indicate the jurisdiction based on the criteria in Section 5.1.6.

For Packet Switching Network Service, the packet carrier must provide a Percent of Interstate usage (PIU) in the Main Remarks section of the ASR when service is initially ordered. This PIU will be used as the basis for prorating the packet usage charges to the interstate and intrastate jurisdictions. The packet switching carrier may submit an updated PIU report in writing at any time following one full month's billing. The updated report will become effective on the first day of the next monthly billing period which begins at least 15 business days after the date the revised report is received by the Telephone Company.

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3. ORDERING OPTIONS FOR FIA (Cont'd)

3.1 General (Cont'd)

3.1.1 Ordering Conditions (Cont'd)

- (C) When the Alternate Traffic Routing Optional Arrangement is ordered, more than one CDL will be supplied and the number of trunks or BHMC for FGB, FGC and FGD to each CDL shall be specified.

When the Alternate Traffic Routing Basic Serving Element (BSE) is ordered, more than one CDL will be supplied and the number of trunks or BHMC for BSA-B, BSA-C, and BSA-D to each CDL shall be specified.

- (D) The customer shall order SAC Access Service, as described in 4.2.1(E), in the same manner as ordering FGD or BSA-D with the following exceptions. For 500 SAC Access Service or 900 SAC Access Service, customers may request direct connections to only those offices designated by the Telephone Company as 500 SAC Access Service or 900 SAC Access Service screening offices. All 500 NXX or 900 NXX code assignments and administration shall be in accordance with the North American Numbering Plan (NANP). 800, 877, 888 SAC Access Service is offered only in conjunction with the 800/877/888 Customer Identification Function as described in 4.2.11 and in conjunction with 800/877/888 Data Base Query Service as described in 4.2.19. Customers may request 800/877/888 SAC access connections to suitably equipped end offices and access tandem offices. A list of those offices will be provided upon request. All 800, 877 or 888 number assignments shall be administered by the Number Administration Service Center (NASC) through the Service Management System (SMS).

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3. ORDERING OPTIONS FOR FIA (Cont'd)

3.1 General (Cont'd)

3.1.1 Ordering Conditions (Cont'd)

(D) (Cont'd)

500 NXX Codes or 900 NXX Codes to be activated and/or deactivated in conjunction with 500 SAC Access Service or 900 SAC Access Service, must be provided to the Telephone Company at least 30 business days prior to the effective date of the change.

An ASR is required by the Telephone Company for 500 NXX codes or 900 NXX codes to be activated or deactivated on an access facility level basis. The Switched Access Ordering Charge as described in 4.5.2(A) will apply. In addition to the Switched Access Ordering Charge, the NXX Translation Charge, as described in Section 4.5.2(H), shall apply to each 500 NXX code activated or deactivated in a Telephone Company switch capable of performing the Customer Identification Function for 500 SAC Access Service. Customer assigned codes for which an ASR has not been received will be blocked.

When SAC Access Service is not terminated over a Special Access Line as in 5.1.1(C)(2), the customer must notify the Telephone Company of all local exchange telephone numbers to which SAC Access Service traffic is designated so that the Telephone Company can balance the end office in accordance with standard Telephone Company engineering practices for heavy volume lines.

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**3. ORDERING OPTIONS FOR FIA (Cont'd)**

**3.1 General (Cont'd)**

**3.1.1 Ordering Conditions (Cont'd)**

(E) To determine if adequate central office facilities (i.e., trunk circuits) for FGD or BSA-D will be available on the conversion date to equal access and to be eligible for the allocation in the following paragraph all customers (including those customers who convert existing FGA, FGB, FGC, BSA-A, BSA-B and BSA-C to FGD or to BSA-D) must order FGD or BSA-D 120 days prior to an end office conversion to equal access.

When trunk circuits are not available to meet the demand an allocation of available trunk circuits will be required. The allocation of available facilities is a three step process as described below:

In this example assume nine ICs have ordered BHMCs which necessitate 1,000 FGD trunks where only 800 FGD trunk circuits are available at the conversion date.

Step 1: Provide an initial flat 25% distribution of available trunk circuits to each requesting IC except for incremental requests over existing levels of FGC.  
(See table in Step 3.)

- $25\% \times 800$  (available facilities) = 200
- $\frac{200}{9-1} = 25$

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**3. ORDERING OPTIONS FOR FIA (Cont'd)****3.1 General (Cont'd)****3.1.1 Ordering Conditions (Cont'd)**

(E) (Cont'd)

Step 2: Assign all remaining trunk circuits proportionately, working from bottom up until ICs, as a result of the proration, are assigned less facilities than desired. First determine facilities available for apportionment.

-  $800 - 175 = 625$  (eligible ICs are A, B, C, D, E, F)

-  $\frac{\text{(Desired Facilities)}}{\text{(Total Desired Facilities)}} \times \frac{\text{Remaining Facilities}}{\text{(of Remaining Facilities)}}$

-  $F = \frac{70}{1000 - 50} \times 625 = 46$  (assign only 45)\*\*

-  $E = \frac{80}{1000 - 120} \times (625 - 45) = 53$

(E receives less facilities than originally ordered, i.e.,  $53 + 25 = 78$ )

\*\* Will not assign more than desired.

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**ACCESS SERVICE**

**3. ORDERING OPTIONS FOR FIA (Cont'd)**

**3.1 General (Cont'd)**

**3.1.1 Ordering Conditions (Cont'd)**

(E) (Cont'd)

Step 3: When an IC receives less facilities than desired, the remainder of ICs are allocated according to the following allocation factor:

$$\text{Remaining Facilities} = \frac{625 - 98}{527} = .659$$

Total Desired Facilities 1000 - 200 800  
of Remaining Eligible ICs  
of Access

- D = 100 x .659 = 66
- C = 200 x .659 = 132
- B = 200 x .659 = 132
- A = 300 x .659 = 197

ICs	Demand Desired (In Trunks)	Resources Available	Step 1 Flat 25% Distribution	Step 2	Step 3	Total Assigned Trunk Circuits
A	300	-	25	-	197	222
B	200	-	25	-	132	157
C(*)200	-	-	-0-	-	132	132
D	100	-	25	-	66	91
E	80	-	25	53	-	78
F	70	-	25	45(**)	-	70
G	25	-	25	-	-	25
H	15	-	15(**)	-	-	15
I	10	-	10(**)	-	-	10
Total	1,000	800	175	98	527	800

(\*) Request for additional trunk circuits by an IC with existing FGC or BSA-C

(\*\*) Will not assign more than desired

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3. ORDERING OPTIONS FOR FIA (Cont'd)

3.1 General (Cont'd)

3.1.1 Ordering Conditions (Cont'd)

(F) The provision of Special Access requires the selection of a Terminating Option as defined in 5.3. The provision of Switched Access requires an Entrance Facility as defined in 4.2.3(B). When a customer orders a DS3 SAL or DS3 Switched Entrance Facility, he may specify, on the ASR, if the interface is to be an electrical or optical. In the event the customer does not specify an interface preference for DS3, the Telephone Company will provide an electrical interface.

When a customer orders DS3C SAL, the Telephone Company will provide an optical interface unless service is provided via microwave, in which case an electro-magnetic interface is provided, or unless the customer specifies on the ASR a request for an electrical interface.

(G) (Reserved for Future Use)

(H) (Reserved for Future Use)

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3. ORDERING OPTIONS FOR FIA (Cont'd)

3.1 General (Cont'd)

3.1.1 Ordering Conditions (Cont'd)

- (I) An ASR is required from the customer to request the unblocking of 0+900 calls. For an initial customer order at the tandem or end office level, the Telephone Company must receive the request to unblock 0+900 dialing capability at least 60 business days prior to the requested effective date. To block or unblock 0+900 dialing capability for NXX codes assigned to a customer in an end office subtending a previously unblocked tandem, a request must be received at least 30 business days prior to the requested effective date of the change.
  
- (J) An ASR is required from the customer to add 1+ coin traffic from an end office. At the customer's option, the ASR can be issued at a 1+ coin tandem or end office level. For an initial customer order at a 1+ coin tandem, the Telephone Company must receive the request at least 120 calendar days prior to the requested effective date. Standard provisioning intervals will apply to subsequent orders involving that 1+ coin tandem.

The customer must provide the Telephone Company with written notification stating that an order is being submitted pursuant to an agreement with a secondary service provider prior to the routing of 1+ interMSA coin traffic to a provider other than the customer.

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3. ORDERING OPTIONS FOR FIA (Cont'd)

3.1 General (Cont'd)

3.1.1 Ordering Conditions (Cont'd)

- (K) When ordering Operator Services, an ASR is required to establish a new FGC, FGD, BSA-C or BSA-D trunk group(s) or to add Operator Services to an existing FGC, FGD, BSA-C or BSA-D trunk group between the Telephone Company's Operator Services Switching Location and one CDL in the same MSA.

When measurement capability does not exist for Operator Services per call charges, a forecast of the number of Operator Services calls anticipated is required from the customer as set forth in 8.7.3 when the initial order for Operator Services is placed.

- (L) When ordering Signaling System 7 (SS7) Out of Band Signaling as described in 4.2.5(AA), the customer shall provide an ASR specifying a reference to existing CCS7 Access service facilities or reference to a related ASR for CCS7 Access service as such CCS7 Access Service facilities are described in the Company's Interstate Tariff GTOC FCC No. 1. The customer's ASR shall also include STP point codes, STP location identifier codes, FGD or BSA-D trunk or 800/887/888 Service Access trunk circuit identification codes, and switch type. When ordering SS7 Out of Band Signaling for FGD or BSA-D, the customer shall specify that all traffic carried by that FGD or BSA-D will be equipped with out of band signaling. The customer shall work cooperatively with the Telephone Company to determine the number of CCS7 Access service connections required to handle the customer's SS7 Out of Band Signaling traffic.

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3. **ORDERING OPTIONS FOR FIA** (Cont'd)

3.1 **General** (Cont'd)

3.1.1 **Ordering Conditions** (Cont'd)

- (M) When ordering Expanded Interconnection Services (EIS) as described in 17.5, the customer shall place an ASR for the Cross Connect, as described in 5.1.1(D), to interconnect the facilities of the Telephone Company to the facilities of the customer. Each service application used in conjunction with EIS will require a separate ASR. When ordering additions or changes to the existing EIS facilities, the customer must refer to the specific EIS facilities affected by the addition or change.
  
- (N) When a Customer orders Tandem Switch Signaling (TSS), as described in 4.2.5(AE) and 4.2.21, to be established with the installation of a new FGD or BSA-D trunk group, 500 SAC Access Service or 900 SAC Access Service trunk group, the Switched Access Ordering charge, per ASR and the appropriate Service Installation charge will apply for the installation of the FGD, BSA-D or 500 SAC Access Service or 900 SAC Access Services. TSS can only be provided from equal access end offices.

When a Customer orders Tandem Switch Signaling to be added to an existing FGD, BSA-D trunk group, 500 SAC Access Service or 900 SAC Access Service trunk group or to a pending ASR, only the Switched Access Ordering charge and the Design Change charge will apply for the addition of the optional arrangement.

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3. ORDERING OPTIONS FOR FIA (Cont'd)

3.1 General (Cont'd)

3.1.1 Ordering Conditions (Cont'd)

- (O) When ordering FGD or BSA-D Switched Access with 950-XXXX Access as described in 4.2.5(T), the customer shall provide an ASR specifying which 950-XXXX access code(s) are to be routed and the FGD or BSA-D Switched Access Service over which resulting originating 950-XXXX access code calls are to be routed.
  
- (P) When ordering Carrier Identification Parameter (CIP) as described in 4.2.5(AG), the Customer shall provide an ASR specifying a reference to existing FGD or BSA-D switched access services or reference to a related ASR for FGD or BSA-D switched access services. The Customer's ASR shall specify the information necessary to identify the trunk group to which the CIP is to be added.

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**3. ORDERING OPTIONS FOR FIA (Cont'd)**

**3.1 General (Cont'd)**

**3.1.2 Provision of Other Services**

- (A) At the option of a customer, Directory Assistance, Additional Labor, Telecommunications Service Priority (TSP), Testing and Special Routing services may be ordered with an ASR at the same time the ASR is accepted by the Telephone Company. Such requests will be considered to be supplemental to the ASR. The rates and charges for these services as set forth in other sections of this tariff will apply in addition to the ordering charges set forth in this section and the rates and charges for the Switched Access or Special Access with which they are associated.
- (B) The items listed in (A) preceding may subsequently be added to the ASR at any time, up to and including the service date established by the ASR. When ordered subsequently, charges for ASR modifications as set forth in 3.2.2 following will apply.

**3.1.3 Special Construction**

- (A) The regulations, rates and charges for Special Construction in Section 10 are in addition to the regulations, rates and charges specified in this section.
- (B) Special Construction is not applicable to EIS.

**3.1.4 Expanded Interconnection Service (EIS)**

The regulations, rates and charges for EIS in Section 17 are in addition to the regulations, rates and charges specified in this section.

**3.1.5 Tandem Switch Signaling**

The regulations, rates and charges for Tandem Switch Signaling in Sections 4 and 5 are in addition to the regulations, rates and charges specified in this section.

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**3. ORDERING OPTIONS FOR FIA (Cont'd)**

**3.2 Access Service Request**

An ASR is used by the Telephone Company to receive orders for the following types of FIA requested by the customer:

- Switched Access as in Section 4,
- Special Access as in Section 5,
- Expanded Interconnection Service as in Section 17, and
- Other Services as in other sections of the tariff.

**3.2.1 Service Date Intervals**

The time required to provision service is known as the service date interval. Such intervals will be established in accordance with published service date interval guidelines which are available to customers upon request. The service date interval guidelines will apply to ASRs and will specify the quantities of FIA that can be provided on the same service date. The customer may request a service date other than that established pursuant to the service date interval guidelines, and the Telephone Company, where possible, will establish the service date in accordance with such request, subject, however, to other applicable provisions of this tariff.

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**3. ORDERING OPTIONS FOR FIA (Cont'd)**

**3.2 Access Service Request (Cont'd)**

**3.2.2 ASR Modifications**

The customer may request a modification of his ASR prior to the service date. The Telephone Company will make every effort to accommodate a requested modification when it is able to do so with the normal work force assigned to complete such an ASR within normal business hours. If the modification cannot be made with the normal work force during normal business hours, the Telephone Company will notify the customer. If the customer still desires the ASR modification, the Telephone Company will schedule a new service date. All charges for ASR modifications will apply on a per occurrence basis. Where a new ASR may be required the appropriate charges in other sections of this tariff will be applicable.

Any increase in the number of Switched Access lines for FGA or BSA-A; trunks or BHMCs for FGB, FGC, FGD, BSA-B, BSA-C, BSA-D; SAC Access Service or Special Access circuits; and Advanced Communications Network services will require the issuance of a new ASR for the incremental capacity.

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**3. ORDERING OPTIONS FOR FIA (Cont'd)****3.2 Access Service Request (Cont'd)****3.2.2 ASR Modifications (Cont'd)****(A) Service Date Change Charge**

ASR service dates may be changed, however, a Service Date Change Charge will apply for each service date change after the plant test date of the original ASR.

For Switched Access, the new service date may not exceed the original service date by more than 30 calendar days. If the requested service date is more than 30 calendar days after the original service date, the ASR will be cancelled by the Telephone Company and cancellation charges in 3.2.6 will apply. A new ASR will be reissued with the new service date.

For Special Access, except as specified below, the new service date may not exceed the original service date by more than 30 calendar days. If the requested service date is more than 30 calendar days after the original service date, the ASR will be canceled by the Telephone Company. Cancellation charges in 3.2.6 will apply and the ASR will be reissued with the new service date unless the customer indicates that billing for the service is to commence as in 3.2.6(A).

With the agreement of the Telephone Company, a new service date may be established that is prior to the original service date and the provisions in (E) will apply in addition to the Service Date Change Charge.

Service Date Change Charge (USOC - SUM)      \$66.29

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3. ORDERING OPTIONS FOR FIA (Cont'd)

3.2 Access Service Request (Cont'd)

3.2.2 ASR Modifications (Cont'd)

(B) Partial Cancellation Charge

Any decrease in the number of Switched Access lines for FGA or BSA-A; trunks or BHMCs for FGB, FGC, FGD, BSA-B, BSA-C, BSA-D; SAC Access Service or Special Access circuits; or Advanced Communications Network services will be treated as a partial cancellation.

A customer may cancel any number of Special Access circuits or Advanced Communications Network services.

When a customer partially cancels the service ordered on an ASR, charges will apply as follows:

- (1) Except as specified in 3.2.6(D), when an ASR for Switched Access Service is partially cancelled on or after the Scheduled Issue Date, the charge will be determined by multiplying the total Installation nonrecurring charges for the canceled portion of the order by the number of business days elapsed since the Scheduled Issue Date and dividing that figure by the number of days in the service interval and adding the Switched Access Ordering Charge.
- (2) When an ASR for Special Access Service or Advanced Communications Network service is partially cancelled on or after the Scheduled Issue Date, the charge will be determined by multiplying the total Special Access or Advanced Communications Network service nonrecurring charges for the canceled portion of the order by the number of business days elapsed since the Scheduled Issue Date and dividing that figure by the number of days in the service interval.
- (3) When a customer cancels part of an ASR for which billing has commenced as provided in 3.2.2(A) and 3.2.6(A), cancellation charges in 3.2.6(C)(3) will apply to that part of the ASR being canceled.

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**3. ORDERING OPTIONS FOR FIA (Cont'd)****3.2 Access Service Request (Cont'd)****3.2.2 ASR Modifications (Cont'd)****(C) Discontinuance of Service**

A customer may discontinue FIA that is in service at any time. The request for discontinuance of service must be received by the Telephone Company at least two business days prior to the date on which service is to be disconnected and billing discontinued. The disconnect request may be submitted via the same method(s) used to place orders. The customer must notify the Telephone Company of a delay or cancellation in the discontinuance request prior to the disconnect date. The Telephone Company, where possible, will establish the disconnect date in accordance with such request. Billing and service will then continue until the new requested disconnect date. If a service is discontinued prior to the expiration of the Minimum Period in 3.2.4, the Minimum Period Charges in 3.2.5 may apply.

**(D) Design Change Charge (USOC - H28)**

The customer may request a design change to a pending ASR for both Switched and Special Access or request a change to an existing Switched Access Service. A design change is a change which requires engineering review. The regulations, rates and charges for a design change are in Section 4.5.2(A) for Switched Access Service, and Section 5.6.1(D)(3) for Special Access Service, and are in addition to the regulations, rates and charges specified in this section.

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**3. ORDERING OPTIONS FOR FIA (Cont'd)**

**3.2 Access Service Request (Cont'd)**

**3.2.2 ASR Modifications (Cont'd)**

(E) Requests for Expedition

A customer may request an expedited service date. When this situation occurs, charges will be applicable as in 6.2. The Telephone Company will provide an estimate of the charges to the customer. The customer must accept the price estimate prior to the Telephone Company's performing the expedite. The actual charges billed to the customer will be no more than 10 percent over the estimate.

**3.2.3 Selection of Facilities for Access Service**

(A) (Reserved for Future Use)

(B) Requests for a specific circuit is not an option of the customer except as provided for under Special Facilities Routing of FIA in Section 9.

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**3. ORDERING OPTIONS FOR FIA (Cont'd)**

**3.2 Access Service Request (Cont'd)**

**3.2.4 Minimum Period**

(A) The Minimum Period for which Special Access, Frame Relay, Packet Switching Network Service, Basic Service Elements (BSEs) and Primary Interexchange Carrier Charge are provided and for which charges are applicable, is one month, except as in B through I.

(B) The Minimum Period for Miscellaneous Services is in Section 6.

(C) The Minimum Period for Ancillary Services is as set forth in Section 8.

(D) The Minimum Period for temporary Videoband and program audio Special Access is the minimum period for which rates are established in Section 5.7 and 5.8.

(E) The Minimum Period for FIA provided under Special Construction provisions and for which charges are applicable in Section 10.

(F) The Minimum Period for FGA, FGB, FGC, BSA-A, BSA-B, BSA-C, SAC Access Service, and also for FGD or BSA-D ordered after the conversion of an end office to equal access, is one month. For the application of the minimum period charges for Switched Access Service FGB, FGC, BSA-B, BSA-C, SAC Access Service, and for FGD or BSA-D ordered after the conversion of an end office to Equal Access, it is assumed the last identical capacity placed in service is the first one discontinued.

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**3. ORDERING OPTIONS FOR FIA (Cont'd)**

**3.2 Access Service Request (Cont'd)**

**3.2.4 Minimum Period (Cont'd)**

- (G) For FGD or BSA-D ordered prior to the conversion of an end office to equal access and (1) cancelled prior to the conversion date, a Cancellation Charge in 3.2.6 applies or (2) cancelled on or after the equal access conversion date, a Discontinuance Charge in 3.2.7 applies.
- (H) The minimum periods for Special Access DS3 Service are in Section 5.6.11.
- (I) The minimum periods for Expanded Interconnection Services are in Section 17.9.2.
- (J) (Reserved for Future Use)
- (K) The minimum periods for Advanced Communications Network services are set forth under Section 16.

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3. **ORDERING OPTIONS FOR FIA (Cont'd)**

3.2 **Access Service Request (Cont'd)**

3.2.5 **Minimum Period Charges**

When FIA are discontinued prior to the expiration of the Minimum Period, charges are applicable for the remaining month(s) and/or fraction thereof of the Minimum Period.

The Minimum Period Charge will be determined as follows:

- (A) For Switched Access usage sensitive rate elements, the charge for the minimum period, or fraction thereof, is equal to the applicable rates for the actual or assumed usage for the minimum period or such fraction thereof. For Switched Access flat-rated monthly elements (i.e., Entrance Facility, Direct-Trunked Transport and Multiplexing rates), the charge for the minimum period or fraction thereof is the applicable monthly rates for the service.
- (B) For Special Access, other than DS3 Service, the charge is the applicable monthly rate for the service(s) as in 5.7. For Special Access DS3 Service, the charges are in Section 5.6.11.
- (C) (Reserved for Future Use)
- (D) For FGD or BSA-D ordered prior to conversion of an end office to equal access, but canceled after the equal access conversion date, a Discontinuance Charge in 3.2.7 applies.
- (E) For part-time or occasional program audio Special Access services, the rates in 5.6.1, 5.7, and 5.8 will apply.

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3. **ORDERING OPTIONS FOR FIA** (Cont'd)

3.2 **Access Service Request** (Cont'd)

3.2.5 **Minimum Period Charges** (Cont'd)

- (F) For FGA, FGB, BSA-A and BSA-B Type service where measurement equipment is not available and the Assumed Minutes of Use Monthly Surrogate is used, the charge will be the prorated amount on a daily basis, calculated at 1/30 of the applicable rate shown in Section 4.6.9, for each day of the minimum period the facility was in service.
- (G) (Reserved for Future Use)
- (H) For the Primary Interexchange Carrier Charge, the charge is the applicable monthly rate as in Section 12.

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**3. ORDERING OPTIONS FOR FIA (Cont'd)**

**3.2 Access Service Request (Cont'd)**

**3.2.6 Cancellation of an ASR**

- (A) A customer may cancel ordered FIA on any date prior to the service date. The cancellation date is the date the Telephone Company receives written or verbal notice from the customer that the ASR is to be cancelled. The verbal notice must be followed by written confirmation within 10 days.

For Switched Access Tandem-Switched Transport or ASRs requesting additional trunk activations on existing Direct-Trunked Transport facilities, if a customer is unable to accept service within 30 calendar days of the original service date, the ASR shall be considered canceled and charges in (C) and (D) will apply. In such instances, the cancellation date shall be the 31st calendar day beyond the original service date of the ASR.

For Special Access, and Switched Access Entrance Facilities and Direct-Trunked Transport, if a customer is unable to accept service within 30 calendar days of the original service date, the customer has the choice of the following options:

- The ASR shall be canceled and charges in (C) will apply, or
- Billing for the service will commence.

In either case, the cancellation date or the billing date shall commence on the 31st calendar day beyond the original service date of the ASR.

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3. ORDERING OPTIONS FOR FIA (Cont'd)

3.2 Access Service Request (Cont'd)

3.2.6 Cancellation of an ASR (Cont'd)

- (B) ASR costs are considered to have started when the Telephone Company incurs any cost in connection therewith or in preparation thereof which would not otherwise have been incurred. These costs include but are not limited to preliminary engineering, orders to suppliers, and other similar items of cost.
- (C) When a customer cancels an ASR for the installation of new service, or an ASR to modify existing service, charges will apply as follows:
  - (1) When an ASR for Switched Access Service is canceled on or after the Application Date, the Cancellation Charge is calculated, on a per order basis, by multiplying the total Installation nonrecurring charges for the quantity ordered by the number of business days elapsed since the Application Date, and dividing that figure by the number of days in the service interval (i.e., the number of business days between the Application Date and the last day of the service date interval) and adding the Switched Access Ordering Charge.
  - (2) When an ASR for Special Access Service is canceled on or after the Application Date, the Cancellation Charge is calculated, on a per ASR basis, by multiplying the total nonrecurring charges for the quantity ordered by the number of business days elapsed since the Application Date, and dividing that figure by the number of days in the service interval (i.e., the number of business days between the order date and the last day of the service date interval).

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3. ORDERING OPTIONS FOR FIA (Cont'd)

3.2 Access Service Request (Cont'd)

3.2.6 Cancellation of an ASR (Cont'd)

(C) (Cont'd)

- (3) When a customer chooses to commence billing rather than cancel an ASR for Special Access as in (A), the customer must submit an ASR prior to calendar day 31 from the original service date and request a service date change. The new service date may not exceed the original service date by more than 120 calendar days. Charges in 3.2.2(A) will only apply for each subsequent service date change request after calendar day 31, not to exceed 120 calendar days.

When a customer elects to commence billing, monthly recurring charges will begin accruing at calendar day 31 after the original service date. Upon completion of the ASR, the initial bill for Special Access Service will include these accrued charges and any additional nonrecurring charges in addition to billable charges specified in 2.4.1(C).

If the ASR is not completed within 121 calendar days of the original service date, the ASR will be canceled. Cancellation charges in (C)(2) will apply. In addition, the customer will be billed the accrued monthly recurring charges specified above plus any additional nonrecurring charges applicable for the service. These charges will be computed commencing at day 31 after the original service date up to and including the cancellation date, not to exceed 90 days of service (120 days from the original service date). The Telephone Company will not reissue an ASR with a new service date beyond 121 calendar days. It will be the customer's responsibility to submit a new ASR for Switched or Special Access Service.

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**ACCESS SERVICE**

**3. ORDERING OPTIONS FOR FIA (Cont'd)**

**3.2 Access Service Request (Cont'd)**

**3.2.6 Cancellation of an ASR (Cont'd)**

(D) For cancellation of an ASR for Switched Access FGD or BSA-D before an end office converts to equal access, cancellation charges will apply if the Telephone Company is notified of the cancellation within a period of 12 months prior to the scheduled service date. Cancellation charges apply to each trunk cancelled.

When, due to a shortage of FGD or BSA-D facilities an allocation of FGD or BSA-D facilities is made, cancellation charges apply only to circuits allocated to the customer.

Cancellation charges will accrue to the maximum in equal monthly increments (i.e., maximum cancellation charge divided by 12) beginning twelve months before an end office converts to equal access. Maximum cancellation charges are listed in Section 3.2.8. The charge applied will be the accrued charge in the month during which notice of cancellation is received by the Telephone Company.

<u>Month During Which Notice Is Received Before Conversion Date</u>	<u>Charge (Per Trunk Cancelled)</u>
12	\$ 42.47
11	84.94
10	127.41
9	169.88
8	212.35
7	254.82
6	297.29
5	339.76
4	382.23
3	424.70
2	467.17
1	509.59

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**3. ORDERING OPTIONS FOR FIA (Cont'd)****3.2 Access Service Request (Cont'd)****3.2.7 Discontinuance of Switched Access FGD or BSA-D**

A Discontinuance Charge applies if a customer discontinues FGD or BSA-D service provided at the conversion of an end office to equal access. The Discontinuance Charge applies to each FGD or BSA-D trunk discontinued with one exception. When the FGD or BSA-D service is a result of an upgrade from FGB, FGC, BSA-B, BSA-C or SAC Access Service trunks in service prior to conversion to equal access, the Discontinuance Charge will only apply to the number of FGD or BSA-D trunks being discontinued that are in excess of the number of FGB, FGC, BSA-B, BSA-C or SAC Access Service trunks in service prior to conversion to equal access. However, the customer may still be liable for any Minimum Period charges in 3.2.5 that may be applicable to the FGB, FGC, BSA-B, BSA-C or SAC Access Service trunks that were in service prior to conversion. For purposes of calculating the Discontinuance Charge the Maximum Discontinuance Charge will be amortized in equal monthly increments (i.e., Maximum Discontinuance Charge divided by 12) over a 12 month period beginning on the date the end office converts to equal access. The Maximum Discontinuance Charge is equal to the FGD or BSA-D Maximum Cancellation Charge in 3.2.8. The charge assessed will be the unamortized portion of the Maximum Discontinuance Charge.

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**3. ORDERING OPTIONS FOR FIA (Cont'd)**

**3.2 Access Service Request (Cont'd)**

**3.2.7 Discontinuance of Switched Access FGD or BSA-D (Cont'd)**

Example:

<u>Month During Which Service is Discontinued After Conversion Date</u>	<u>Charge (Per Trunk Discontinued)</u>
1	\$509.59
2	467.17
3	424.70
4	382.23
5	339.76
6	297.29
7	254.82
8	212.35
9	169.88
10	127.41
11	84.94
12	42.47

**3.2.8 FGD or BSA-D Maximum Per Trunk Cancellation Charge**

\$509.59

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3. ORDERING OPTIONS FOR FIA (Cont'd)

3.3 Access Service Requests For Services Provided By More Than One Telephone Company

- (A) Switched or Special Access Services provided by more than one telephone company are services where one end of the Switched Transport or Special Transport facility is in the operating territory of one telephone company and the other end of the facility is in the operating territory of a different telephone company.

The ordering procedure for this service is in (1) and (2). The telephone company will notify the customer, identifying which ordering procedures will apply.

(1) Single Company Billing

The telephone company receiving the ASR from the customer will arrange to provide the service and bill the customer as in 2.7.2. The customer will place the ASR with the telephone company as follows:

- (a) For Switched Access Services the customer will place the ASR with the telephone company in whose territory the following is located:

- FGA or BSA-A - dial tone office

When the preceding is not in the same telephone company's territory as the customer designated location (CDL), the customer must supply a copy of the ASR to the telephone company in whose territory the CDL is located.

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**ACCESS SERVICE**

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**3. ORDERING OPTIONS FOR FIA (Cont'd)**

**3.3 Access Service Requests For Services Provided By More Than One Telephone Company (Cont'd)**

(A) (Cont'd)

(2) Meet Point Billing

Each telephone company will provide its portion of the Switched Transport or Special Transport service within its operating territory to the meet point with the other telephone company(s). The BP will be determined by the telephone companies involved in providing the FIA service and listed in the ECA Tariff FCC No. 4.

For all Switched Access Services and all Special Access Services the order will be placed with the telephone company as specified in the Ordering and Billing Forum's Multiple Exchange Carrier Ordering and Design (MECOD) guidelines.

(B) When FGA or BSA-A is ordered in a Multicarrier Access Area, the customer must provide a copy of the order to the SEC. The SEC will bill as in 2.7.

**3.4 (Reserved for Future Use)**

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4. **SWITCHED ACCESS**

4.1 **General**

Switched Access provides two-point communications paths between the point of termination at a CDL and the points of termination at Telephone Company end user premises within the Access Area. Each path is established through the use of Switched Transport (Entrance Facilities, Direct-Trunked Transport and/or Tandem Switched Transport), End Office Services, and Common Lines or Special Access Lines. Switched Access provides for the ability to originate calls from an end user's premises to the CDL and to terminate calls from the CDL to an end user's premises. Specific descriptions of Switched Access are in 4.2. Switched Access Services may be connected to a customer's transmission equipment and facilities using a DS1 or DS3 Cross Connect arrangement where the customer is provided Expanded Interconnection Service as defined in Section 17.

Switched Access Feature Groups are ordered in either quantities of lines, trunks or in Busy Hour Minutes of Capacity (BHMC). FGA and BSA-A is furnished on a per-line basis, and FGB, FGC, FGD, BSA-B, BSA-C, BSA-D and SAC Access Service are furnished on a per-trunk basis in accordance with the capacity ordered in trunks or BHMC.

Quantities of lines, trunks or total BHMC of the circuit group connecting the first point of switching and the CDL are determined at the Telephone Company's first point of switching.

A customer may designate one or more CDLs within the Market Service Area (MSA) for FGA, FGB, FGC, FGD, BSA-A, BSA-B, BSA-C, BSA-D Switched Access or SAC Access Service.

When Switched Access is ordered in BHMC, the BHMC must be differentiated by Feature Group type and directionality of traffic as in 4.3.2 in order for the Telephone Company to properly design Switched Access to meet the traffic carrying capacity requirements of the customer.

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**4. SWITCHED ACCESS (Cont'd)**

**4.1 General (Cont'd)**

Switched Access is provided with basic testing as described in 4.2.1(A)(10), (B)(11), (C)(13), (D)(13), and 4.2.7. Additional testing is provided as described in 6.6. Testing is provided only on the FIA supplied by the Telephone Company.

Shared use between Switched Access and Special Access over high capacity facilities is described in 5.6.7.

Switched Access may be ordered by the customer for mixed intrastate and interstate communications as in 4.3.2 and 4.3.3.

**4.2 Description of Switched Access**

Switched Access is provided in conjunction with either of two types of access services, bundled Feature Groups or unbundled Basic Serving Arrangements (BSAs). BSAs, described in 4.2.2, are provided in two basic categories differentiated by their technical characteristics and how they connect, line side or trunk side connection, to the Telephone Company's first point of switching. The trunk side BSA is further differentiated into three alternatives based upon how the end user accesses the trunk side BSA, with or without an access code. Feature Group A (FGA) and Basic Serving Arrangement A (BSA-A) are defined as line side connections to the Telephone Company's network. Feature Group B (FGB), Feature Group C (FGC), Feature Group D (FGD), Basic Serving Arrangement B (BSA-B), Basic Serving Arrangement C (BSA-C), and Basic Serving Arrangement D (BSA-D) are defined as trunk side connections to the Telephone Company's network. The use of a line side or trunk side switched access connection is dependent upon the switched access arrangement ordered by the customer. Feature Groups and BSAs are arranged for either originating, terminating, or two-way calling, based on the end office switching capacity ordered. Originating calling permits the delivery of calls from Telephone Company exchange service locations to the customer's premises. Terminating calling permits the delivery of calls from the customer's premises to Telephone Company exchange service locations. Two-Way calling permits the delivery of calls in both directions, but not simultaneously.

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4. **SWITCHED ACCESS (Cont'd)**

4.2 **Description of Switched Access (Cont'd)**

Switched Access will be provided as both Feature Groups and BSAs to Telephone Company end offices either directly routed or routed via an access tandem, except as set forth following:

- Feature Group and BSA trunk side equivalents (FGB and BSA-B, FGC and BSA-C, and FGD and BSA-D) may not be provided for the same Carrier Identification Code (CIC) and/or Billing Account Number (BAN) at Telephone Company end offices which subtend the same tandem. When a Telephone Company end office subtends multiple tandems, Feature Group and BSA trunk side equivalents may not be provided for the same CIC and/or BAN at any Telephone Company end office which subtends either tandem.
- Feature Group and BSA line side equivalents (FGA and BSA-A) may not be mixed in the same multiline hunt group.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.1 **Description of Feature Groups**

The Telephone Company, under the ordering provisions in Section 3, at rates and charges as specified in 4.6, will provide Switched Access as follows:

(A) **Feature Group A** (USOC OHY; OHX)

Feature Group A (FGA), which is available to all customers, provides line side access to Telephone Company end office switches with an end user access code of NXX-XXXX for the customer's use in originating communications from and terminating communications to an Interexchange Carrier's InterMSA service or facilities or a customer-provided InterMSA communications capability. The customer, upon request by the Telephone Company, must specify the Interexchange Carrier to which his FGA service is connected or, in the alternative, specify the means by which the FGA access communications is transported to another MSA. FGA is available as Message Telecommunications Service-type or Wide Area Telecommunications Service-type (MTS/WATS-type) access or as Foreign Central Office/Off Network Access Line (FCO/ONAL) open end access.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.1 **Description of Feature Groups** (Cont'd)

(A) **Feature Group A** (Cont'd)

- (1) FGA is provided at all Telephone Company end office switches and switches customer communications to and from Common Lines or Special Access Lines, as in 4.2.1(A).

FGA utilizes a two-point electrical communications path between the Interface Arrangement and the Common Line or Special Access Line which is a voice grade transmission path comprised of any form or configuration of plant capable of, and typically used in the telecommunications industry for, the transmission of the human voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hz.

- (2) FGA is provided as line-side switching through end office switch line equipment. Line side switching may, at the option of the customer, be provided with ground start supervisory signaling or loop start supervisory signaling.
- (3) The customer shall select the first point of switching, within the selected FGA Access Area.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.1 **Description of Feature Groups** (Cont'd)

(A) **Feature Group A** (Cont'd)

- (4) FGA is arranged for originating calling only, terminating calling only or two-way calling. The Telephone Company will determine the type of calling to be provided unless the customer requests the option, Customer Specification of Switched Access Directionality as described in 4.2.5(H). For such specification, additional charges on an Individual Case Basis will apply if the calling arrangements are different than that the Telephone Company would have provided without such special arrangements. Originating calling permits the origination of calls from the end user to the CDL. Terminating calling permits the termination of calls from the CDL to the end user. Two-way calling permits either the origination or termination of calls, but not simultaneously.
- (5) FGA, when being used in the terminating direction, is arranged with dial tone start-dial signaling and dial pulse address signaling. FGA, when being used in the terminating direction, may, at the option of the customer, be arranged for Dual Tone Multifrequency (DTMF) address signaling, subject to availability of equipment in the end office from which FGA is provided. When FGA is provided in a Hunt Group Arrangement or Uniform Call Distribution Arrangement, all FGA will be arranged for the same type of signaling.

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**4. SWITCHED ACCESS (Cont'd)****4.2 Description of Switched Access (Cont'd)****4.2.1 Description of Feature Groups (Cont'd)****(A) Feature Group A (Cont'd)****(5) (Cont'd)**

No address signaling is provided by the Telephone Company when FGA is used in the originating direction. Address signaling in such cases, if required by the customer, must be provided by the end user using inband tone signaling techniques. Such inband tone address signals will be subject to the ordinary transmission capabilities of the Switched Transport provided.

- (6) FGA, when used in the terminating direction, may be used to access valid NXXs in the FGA Access Area. For FGA, the Access Area is defined as the local calling area of the end office switch from which the FGA is provided. The description of any specific FGA Access Area will be provided to the customer upon request. Access is also provided for FGA terminating calls established on a 1+ basis (i.e., toll) outside the specific FGA Access Area (i.e., local calling area) however, inside the MSA. When a FGA customer chooses to terminate toll calls outside the MSA via an Interexchange Carrier's Service (i.e., no screening or blocking performed by customer), the rates and charges in 4.5.2 apply. The Telephone Company may, at the customer's request, and depending on the technical capabilities, screen and block such interMSA calls. Access is also provided to local operator service (0- and 0+), directory assistance (411 and 555-1212), emergency

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.1 **Description of Feature Groups** (Cont'd)

(A) **Feature Group A** (Cont'd)

(6) (Cont'd)

reporting service (911), local telephone repair (611), information services (e.g., time and temperature) and IC services (by dialing the appropriate digits). The customer will be billed for an operator surcharge as in other Company Tariffs, for local operator assistance (0-) calls; certain community information service calls; directory assistance (411 and 555-1212) calls; and customer call charges in accordance with other IC tariffs in force when the Telephone Company performs the billing for such customer calls.

Access to these services may, at the option of the customer, be blocked when the Call Denial on Line or Hunt Group three digit or six digit dial code screening arrangements are provided, subject to the availability of the equipment in the end office from which FGA is provided. Call Denial on Line or Hunt Group is an arrangement which will screen terminating calls except calls to 411, 611, 911, 800, 877, 888, 555-1212, and a set of NXXs selected by the customer, in cooperation with the Telephone Company for each end office switch and route all other calls to reorder tone or recorded announcement.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.1 **Description of Feature Groups** (Cont'd)

(A) **Feature Group A** (Cont'd)

(6) (Cont'd)

Three digit dial code screening is an arrangement which will screen terminating calls and allow completion of calls to one or more specific NXXs (or all NXXs) within the Home NPA, or calls to one, two, or three digit service codes (e.g., 0, 411) and route all others to reorder tone or recorded announcement.

Six digit dial code screening is an arrangement which will screen Access Area terminating calls and allow completion of calls to selected NXXs within foreign NPAs and route all other calls in the foreign NPA to reorder tone or recorded announcement.

(7) (Reserved for Future Use)

(8) FGA is provided on a single line basis. FGA may, at the option of the customer, be provided in a Hunt Group Arrangement or a Uniform Call Distribution Arrangement. When FGA is provided with these arrangements, the FGA may also, at the option of the customer, be provided with a Nonhunting Number Arrangement. The Uniform Call Distribution Arrangement and the Nonhunting Number Arrangement are only available from certain Telephone Company end office switches. All FGA in a Hunt Group Arrangement or Uniform Call Distribution Arrangement with the Nonhunting Number Arrangement will be similarly arranged.

4. SWITCHED ACCESS (Cont'd)

4.2 Description of Switched Access (Cont'd)

4.2.1 Description of Feature Groups (Cont'd)

(A) Feature Group A (Cont'd)

- (9) A seven digit telephone number assigned by the Telephone Company is provided for access to FGA in the originating direction. The seven digit local telephone number will be associated with the selected end office switch and is of the form NXX-XXXX. If the customer requests a specific seven digit telephone number that is not currently assigned and the Telephone Company can, with reasonable effort, comply with that request, the requested number will be assigned to the customer.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.1 **Description of Feature Groups** (Cont'd)

(A) **Feature Group A** (Cont'd)

(10) FGA is provided with basic testing at no additional charge. Basic tests include: loss, 3-tone slope, (C-message and C-notched), dc continuity and when applicable operational signaling.

(a) Where Telephone Company equipment is available a seven digit access number will be provided to the customer for testing in the terminating direction. These access numbers shall include: balance (100 type) test line, and milliwatt (102 type) test line.

Additional testing will apply as in 6.6 when: (a) the customer requests a test not specified in the preceding; (b) the test requested is not essential to the ongoing maintenance of FGA; or (c) the customer requests testing on a more frequent basis than scheduled for in the Telephone Company's Central Office Maintenance Planning System (COMPS). The Telephone Company will routinely perform maintenance testing from the dial tone end office to the customer's first point of switching.

(11) (Reserved for Future Use)

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.1 **Description of Feature Groups** (Cont'd)

(A) **Feature Group A** (Cont'd)

- (12) When all FGA for an individual customer ( a single line or entire hunt group) is discontinued at an end office, a regular number intercept announcement is provided. This arrangement provides, for a limited period of time, an announcement that the service associated with the number dialed has been disconnected.
  
- (13) FGA is provided with either Type B or Type C transmission performance. The parameters associated with these performances are guaranteed to the first point of switching. Type C transmission performance is provided with Interface Arrangement 1 and Type B is provided with Interface Arrangements 2 through 10. In addition, Data Transmission Parameters may, at the option of the customer, be provided with FGA.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.1 **Description of Feature Groups** (Cont'd)

(B) **Feature Group B** (USOC OHB)

Feature Group B (FGB), which is available to all customers, provides trunk-side access to Telephone Company end office switches with an associated uniform 950-XXXX access code for originating and terminating communications for customer provided intrastate communications capability or connection to an interexchange intrastate service.

- (1) FGB, when provided without the use of an access tandem switch (in a directly routed arrangement), is provided at all Telephone Company appropriately equipped electronic end office switches. When provided via Telephone Company appropriately equipped electronic access tandem switches, FGB End Office Services are provided at all Telephone Company subtending end office switches in the terminating direction and at appropriately equipped end offices in the originating direction utilizing the end user access code of 950-XXXX. For those subtending end offices that are not appropriately equipped, access in the originating direction is available by the end user access code of 1+950-XXXX.

FGB utilizes a two point electrical communication path between the Interface Arrangement and Common Line or a Special Access line, as in 4.2.1(B), which is a voice grade transmission path comprised of any form or configuration of plant capable of, and typically used in the telecommunications industry for, the transmission of the human voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hz.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.1 **Description of Feature Groups** (Cont'd)

(B) **Feature Group B** (Cont'd)

- (2) FGB is provided as trunk-side switching through the use of end office switch trunk equipment. The switch trunk equipment is provided with wink start pulsing and answer and disconnect supervisory signaling.
- (3) The Telephone Company will select the trunking arrangement from the end office, within the selected Access Area from which FGB is to be provided. If the customer orders an Automatic Number Identification (ANI) Arrangement or Rotary Dial Station Signaling, where available, special routing and trunking arrangements may be required.
- (4) FGB is arranged for either originating, terminating, or two-way calling based on the trunks or BHMC ordered. The Telephone Company will determine the type of directional calling to be provided unless the customer requests the option, Customer Specification of Switched Access Directionality as described in 4.2.5(H). For such specification, additional charges on an Individual Case Basis will apply if the calling arrangements are different from that the Telephone Company would have provided without such special arrangements. Originating calling permits the origination of calls from the end user to the CDL. Terminating calling permits the termination of calls from the CDL to the end user. Two-way calling permits either the origination or termination of calls, but not simultaneously.

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**4. SWITCHED ACCESS (Cont'd)****4.2 Description of Switched Access (Cont'd)****4.2.1 Description of Feature Groups (Cont'd)****(B) Feature Group B (Cont'd)**

- (5) FGB, when being used in the terminating and originating direction, is provided with multifrequency address signaling. At the option of the customer, up to 7 Digits Outpulsing of Access Digits to the customer will be provided in the originating direction by the Telephone Company equipment to the CDL where the FGB terminates. Except for FGB provided with the ANI arrangement or Rotary Dial Station Signaling as set forth in 4.2.5(M), any other address signaling in the originating direction, if required by the customer, must be provided by the end user using inband tone signaling techniques. Such inband tone address signals will not be regenerated by the Telephone Company and will be subject to the ordinary transmission capabilities of the Switched Transport provided.
- (6) FGB, when being used in the terminating direction, may be used to access valid NXXs in the FGB Access Area. If the FGB connection is made directly to an end office the Access Area is that of that end office only. If the FGB connection is made to an access tandem the Access Area is that of all end offices subtending that access tandem. The description of any FGB Access Area will be provided to the customer upon request. Access is also available to information services (e.g., time and temperature) and other IC services by dialing the appropriate digits and other services when those services can be reached using valid NXX codes. End Office Switching - Bundled (EOSB) rates in 4.5.2 and 4.6.3 apply to all FGB usage originating or terminating at an equal access end office.

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4. SWITCHED ACCESS (Cont'd)

4.2 Description of Switched Access (Cont'd)

4.2.1 Description of Feature Groups (Cont'd)

(B) Feature Group B (Cont'd)

- (7) A separate trunk group will be established based on the directionality (i.e., originating only, terminating only, or two-way traffic) of the FGB arrangement provided.
- (8) The access code for FGB is a uniform access code in the form of 950-XXXX. For end offices not appropriately equipped an IC may instruct their end users to access the FGB by dialing 1+ 950-XXXX.
- (9) FGB may, at the option of the customer, be arranged to provide an ANI arrangement to obtain the calling station billing numbers. ANI is not available if the FGB connection is at an access tandem. The ANI arrangement provides seven digit calling station billing number information to the CDL. In those situations where no billing number is available in the end office switch no seven digit number will be provided and an "operator identification" information digit will be provided.

In those cases where an ANI failure has occurred in the end office switch, no seven digit number will be provided, and an "identification failure" information digit will be provided. ANI will be available using multifrequency signaling provided by the Telephone Company.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.1 **Description of Feature Groups** (Cont'd)

(B) **Feature Group B** (Cont'd)

(9) (Cont'd)

Rotary Dial Station Signaling will be made available in certain end offices using dial repeating equipment provided by the Telephone Company. The customer must order Switched Transport arranged to pass the dial repeating signals. FGB is provided in directly routed arrangements where the ANI or Rotary Dial Station Signaling arrangements are provided.

Only calls from end users terminated on the end office switch will be provided with the ANI or Rotary Dial Station Signaling arrangements.

- (10) The Telephone Company will determine the end office ANI protocol for FGB. The Telephone Company makes no guarantee that ANI will be available at all end offices which have access to FGB.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.1 **Description of Feature Groups** (Cont'd)

(B) **Feature Group B** (Cont'd)

(11) FGB is provided with basic testing at no additional charge. Basic tests include: loss, 3 tone slope, (C-message and C-notched noise) and where applicable, dc continuity, signaling and balance testing.

(a) Where Telephone Company equipment is available, a seven digit access number will be provided to the customer for testing in the terminating direction. These access numbers shall include: balance (100 type) test line, milliwatt (102 type) test line, data transmission (107 type) test line, loop around test line, short circuit test line and open circuit test line.

(b) Where Telephone Company equipment is available and the customer is equipped with compatible remote office test lines, FGB will be provided with automatic testing (105 type or equivalent) in the originating direction.

Additional testing charges apply as in 6.6 when: (a) the customer requests a test not specified in the preceding; (b) the test requested is not essential to the ongoing maintenance of FGB; or (c) the customer requests testing on a more frequent basis than scheduled in the Telephone Company's Central Office Maintenance Planning System (COMPS). The Telephone Company will routinely perform maintenance testing from its access tandem or end office (if direct routed) to the customer's first point of switching.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.1 **Description of Feature Groups** (Cont'd)

(B) **Feature Group B** (Cont'd)

- (12) (Reserved for Future Use)
- (13) When all FGB is discontinued at an end office and/or in an Access Area, a regular number intercept announcement is provided. This arrangement provides, for a limited period of time, an announcement that the FGB associated with the number dialed has been disconnected.
- (14) FGB is provided with either Type B or Type C transmission performance. The parameters associated with these performances are guaranteed to the end office, when routed directly, or to the first point of switching, when routed via an access tandem. Type C transmission performance is provided with Interface Arrangement 1 and Type B is provided with Interface Arrangements 2 through 10. In addition, Data Transmission Parameters may, at the option of the customer, be provided with FGB.
- (15) FGB may at the option of the customer and with the concurrence of the Telephone Company, be provided with Alternate Traffic Routing. This arrangement, as shown in 4.2.5(A), delivers originating traffic from an end office over a designated trunk group to the CDL. When that trunk group is fully loaded, additional originating traffic is automatically delivered over one or more designated trunk groups to one or more CDLs.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.1 **Description of Feature Groups** (Cont'd)

(C) **Feature Group C** (USOC OHC)

Feature Group C (FGC) provides trunk-side access to Telephone Company end office switches for providers of MTS and WATS for originating and terminating communications. FGC is available in all end offices which are not equipped for FGD End Office Services.

- (1) FGC is provided at all Telephone Company end office switches or Telephone Company designated access tandem switches. FGC is available at an end office switch unless FGD is provided in the same office. When FGD or BSA-D is available, FGC will be discontinued as soon as the conversion to FGD or BSA-D can be arranged.

FGC utilizes a two point electrical communications path between the Interface Arrangement and Common Line or Special Access Line which is a voice grade transmission path comprised of any form or configuration of plant capable of, and typically used in the telecommunications industry for, the transmission of the human voice and associated signals within the frequency bandwidth of approximately 300 to 3000 Hz.

- (2) FGC is provided as trunk-side switching through the use of end office switch trunk equipment. The switch trunk equipment is provided with answer and disconnect supervisory signaling. Wink start pulsing signals are provided in all offices where available. In those offices where wink start pulsing signals are not available, delay dial start pulsing signals will be provided.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.1 **Description of Feature Groups** (Cont'd)

(C) **Feature Group C** (Cont'd)

- (3) The Telephone Company will select the trunking arrangement from the end office within the selected Access Area from which FGC is to be provided. If the customer orders an ANI arrangement or Service Class Routing Arrangement, special routing and trunking arrangements may be required.
  
- (4) FGC is arranged for either originating calling only, terminating calling only, or two-way calling based on the trunks or BHMC ordered. The Telephone Company will determine the type of directional calling to be provided unless the customer requests the option, Customer Specification of Directionality as described in 4.2.5(H). For such specification, additional charges on an Individual Case Basis will apply if the trunk group routing arrangements are different from that the Telephone Company would have provided without such special arrangements. Originating calling permits the origination of calls from the end user to the CDL. Terminating calling permits the termination of calls from the CDL to the end user. Two-way calling permits either the origination or termination of calls, but not simultaneously.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.1 **Description of Feature Groups** (Cont'd)

(C) **Feature Group C** (Cont'd)

- (5) FGC is provided with multifrequency address signaling except in certain electromechanical end office switches where multifrequency signaling is not available. In such electromechanical end office switches, the address signaling will be dial pulse or revertive pulse signaling, whichever is available. Dial pulse address signaling may, at the option of the customer, be provided in lieu of multifrequency address signaling if such signaling facilities are available in the end office. Up to twelve digits of the called party number dialed by the customer's end user will be provided by Telephone Company equipment to the CDL where the FGC terminates. Such called party number signals will be subject to the ordinary transmission capabilities of the Switched Transport provided.

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**4. SWITCHED ACCESS (Cont'd)****4.2 Description of Switched Access (Cont'd)****4.2.1 Description of Feature Groups (Cont'd)****(C) Feature Group C (Cont'd)**

- (6) FGC, when being used in the terminating direction, may be used to access NXXs in the FGC Access Area. If the FGC connection is made directly to an end office the Access Area is that of that end office only. If the FGC connection is made to an access tandem the Access Area is that of all end offices subtending that access tandem. The description of any FGC Access Area will be provided to the customer upon request. Access is also available to Directory Assistance and other services (by dialing the appropriate codes) when the services can be reached using valid NXX codes.
- (7) A separate trunk group will be established based on the directionality (i.e., originating only, terminating only, or two-way traffic) of the FGC arrangement provided.
- (8) No access code is required for FGC. In certain locations, due to Central Office equipment limitations, two or three digit access codes may be used. The telephone number dialed by AT&T's end user shall be a seven or ten digit number for calls in the North American Numbering Plan (NANP). For international calls outside the NANP, a five to twelve digit number may be dialed. The form of the numbers dialed by AT&T's end user is NXX-XXXX, 0 or 1 + NXX-XXXX, NPA + NXX-XXXX, 0 or 1 + NPA + NXX-XXXX, and, when the International Direct Distance Dialing Arrangement (IDDD) is provided, 01 + CC + NN or 011 + CC + NN.

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4. **SWITCHED ACCESS (Cont'd)**

4.2 **Description of Switched Access (Cont'd)**

4.2.1 **Description of Feature Groups (Cont'd)**

(C) **Feature Group C (Cont'd)**

- (9) FGC may, at the option of the customer, be arranged to provide an ANI arrangement to obtain the calling station billing number. The ANI arrangement provides seven digit station billing number information to the CDL. In those situations where no billing number is available in the end office switch, no seven digit number will be provided and an "operator identification" information digit will be provided.

In those cases where an ANI failure has occurred in the end office switch, no seven digit number will be provided and an "identification failure" information digit will be provided. ANI will be made available using multifrequency signaling provided by the Telephone Company.

FGC is provided in directly routed arrangements to the end office switch where the ANI arrangement is provided. The Telephone Company will determine the end office ANI protocol for FGC.

Only calls from end users terminated on the end office switch will be provided with the ANI arrangement. ANI is provided from end offices for which Telephone Company recording for end user billing is not provided, or where it is not required, as with 800/877/888 Service. It is not provided from end offices for which the Telephone Company needs to forward ANI to its recording equipment.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.1 **Description of Feature Groups** (Cont'd)

(C) **Feature Group C** (Cont'd)

- (10) FGC may, at the option of the customer, be arranged for International Direct Distance Dialing (IDDD) arrangement in the originating direction. The end office switches or access tandem switches which are equipped for IDDD will be designated by the Telephone Company. The CDL must be equipped to receive the IDDD supervisory and address signals and the CDL must provide operator assistance to the end users if necessary to obtain the IDDD address signals once the CDL acknowledges it is ready to receive IDDD address signals.
- (11) (Reserved for Future Use)
- (12) (Reserved for Future Use)

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.1 **Description of Feature Groups** (Cont'd)

(C) **Feature Group C** (Cont'd)

(13) FGC is provided with basic testing at no additional charge. Basic tests include: loss, 3 tone slope, (C-message and C-notched) and where applicable, signaling and balance testing.

(a) Where Telephone Company equipment is available, a seven digit access number will be provided to the customer for testing in the terminating direction. The access number shall include: balance (100 type) test line, milliwatt (102 type) test line, automatic transmission measuring (105 type) test line, data transmission (107 type) test line, nonsynchronous or synchronous test line, loop around test line, short circuit test line and open circuit test line.

(b) Where Telephone Company equipment is available and the customer is equipped with compatible equipment (remote office test lines and 105 test lines with associated responders or their functional equivalent), FGC will be provided with automatic testing.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.1 **Description of Feature Groups** (Cont'd)

(C) Feature Group C (Cont'd)

(13) (Cont'd)

- (c) At the option of the Telephone Company, cooperative testing may be provided in lieu of automatic testing. Cooperative testing is where the Telephone Company provides a technician at its office(s) and the customer provides a technician at its CDL, with suitable test equipment to perform the required tests. The Telephone Company will routinely perform maintenance testing from its access tandem or end office (if direct routed) to the customer's first point of switching.

Additional testing charges will apply as in 6.6 when: (a) the customer requests a test not specified in the preceding; (b) the test requested is not essential to the ongoing maintenance of FGC; or (c) the customer requests testing on a more frequent basis than scheduled in the Telephone Company's Central Office Maintenance Planning System (COMPS).

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.1 **Description of Feature Groups** (Cont'd)

(C) **Feature Group C** (Cont'd)

- (14) FGC may, at the option of the customer, be provided with Alternate Traffic Routing. This arrangement, as shown in 4.5.2, delivers originating traffic from an end office over a designated trunk group to the CDL. When that trunk group is fully loaded, additional originating traffic is automatically delivered over one or more designated trunk groups to one or more CDLs.
- (15) FGC may, at the option of the customer, be provided with a Service Class Routing Arrangement. This arrangement allows originating traffic to be delivered over selected trunk groups to a specified CDL based on service prefix (e.g., 0-, 0+, 1+, 01, 011); service class codes (e.g., 500, 700, 800, 877, 888, 900); or end user originating line class of service (e.g., coin, hotel/motel).
- (16) (Reserved for Future Use)
- (17) FGC may, at the option of the customer, be provided with a Trunk Access Limitation Arrangement in all Telephone Company end offices. This arrangement provides for the routing of designated (e.g., 900 Service Code) originating calls to a specified number of transmission paths in a trunk group to the CDL in order to limit the amount of such traffic that can be completed.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.1 **Description of Feature Groups** (Cont'd)

(C) **Feature Group C** (Cont'd)

(18) FGC is provided with the following features in the originating direction for operator assistance services. FGC may require the routing by Service Class Routing Arrangement as in 4.2.1(C)(15).

(a) Operator Assistance-Coin Control Arrangements for Telephone Company end offices where equipment is available - Such arrangements provide coin return control and routing of 0+, 0-, 01+ and 011+ prefixed originating calls to the CDL. The operator services system arrangement for receipt of 0+, 0-, 1+, 01+ and 011+ calls may, at the option of the customer, be provided with the ANI arrangement. The cord board arrangement for receipt of 0- originating calls is not provided with ANI. FGC is provided in a directly routed arrangement where the Operator Assistance-Coin Control Arrangement is provided. Only calls from coin station lines terminated on the end office switch where the Operator Assistance-Coin Control Arrangement is provided will be provided to the CDL.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.1 **Description of Feature Groups** (Cont'd)

(C) Feature Group C (Cont'd)

(18) (Cont'd)

- (b) Operator Assistance-Noncoin Arrangements in all Telephone Company end offices - Such arrangements provide routing of 0+, 0-, 1+, 01+, and 011+ prefixed originating calls to the CDL. This arrangement for receipt of 0+, 0-, 1+, 01+, and 011+ originating calls may, at the option of the customer, be provided with the ANI arrangement.

The cord board arrangement for receipt of 0- originating calls is not provided with ANI. FGC is provided in a directly routed arrangement where the Operator Assistance-Noncoin Arrangement is provided. Only calls from end users terminated on the end office switch where the Operator Assistance-Noncoin Arrangement is provided will be provided to the CDL.

- (c) Operator Assistance - Combined (coin and noncoin) Arrangements in Telephone Company end offices where equipment is available - This arrangement provides the combined features described in (a) and (b).

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.1 **Description of Feature Groups** (Cont'd)

(C) **Feature Group C** (Cont'd)

- (19) FGC is provided with either Type B or Type C transmission performance as follows: a) when routed directly to the end office, either Type B or Type C is provided; b) when routed to an access tandem, only Type B is provided; or c) Type B or Type C is provided on the transmission path from the access tandem to the end office. Type C transmission performance is provided with Interface Arrangement 1 when routed directly to an end office. Type B is provided with Interface Arrangements 2 through 10 whether routed directly to an end office or to an access tandem. In addition, Data Transmission Parameters may, at the option of the customer, be provided with FGC.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.1 **Description of Feature Groups** (Cont'd)

(D) Feature Group D (USOC OHD)

Feature Group D (FGD), which is available to all customers, provides trunk-side access to Telephone Company end office switches with an associated 101XXXX access code for providers of MTS/WATS and MTS/WATS-type services for originating and terminating communications for customer provided intrastate communications capability or connections to an interexchange intrastate service.

- (1) FGD is provided at Telephone Company appropriately equipped electronic end office switches.

FGD utilizes a two point electrical communications path between the Interface Arrangement and the Common Line or Special Access Line which is a voice grade transmission path comprised of any form or configuration of plant capable of, and typically used in the telecommunications industry for, the transmission of the human voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hz.

SS7 Out of Band Signaling for FGD is provided at suitably equipped Telephone Company end office or access tandem switches.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.1 **Description of Feature Groups** (Cont'd)

(D) **Feature Group D** (Cont'd)

- (2) FGD is provided as trunk-side switching through the use of end office or access tandem switch trunk equipment. The switch trunk equipment is provided with answer and disconnect supervisory signaling and wink start pulsing signals except when SS7 Out of Band Signaling is specified.
- (3) The Telephone Company will select the trunking arrangement from the end office, within the selected Access Area from which FGD is to be provided. If the customer orders an Automatic Number Identification (ANI) arrangement, Alternate Traffic Routing arrangement, Service Class Routing Arrangement, Trunk Access Limitation Arrangement, or Operator Assistance Full Feature Arrangement, special routing and trunking arrangements may be required.
- (4) FGC is arranged for either originating calling only, terminating calling only, or two-way calling and based on the trunks or BHMC ordered. The Telephone Company will determine the type of directional calling to be provided unless the customer orders an Operator Assistance Full Feature Arrangement or requests the option, Customer Specification for Switched Access Directionality as described in 4.2.5(H). For such arrangements, additional charges on an Individual Case Basis will apply if the trunking arrangements are different from that the Telephone Company would have provided without such special arrangements. Originating calling permit the origination of calls from the end user to the CDL. Two-way calling permits either the origination or termination of calls, but not simultaneously.

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**4. SWITCHED ACCESS (Cont'd)****4.2 Description of Switched Access (Cont'd)****4.2.1 Description of Feature Groups (Cont'd)****(D) Feature Group D (Cont'd)**

- (5) FGD is provided with multifrequency address signaling or SS7 Out of Band Signaling. Up to twelve digits of the called party number dialed by the end user will be provided by Telephone Company equipment to the CDL where the FGD terminates. Such address signals will be subject to the ordinary transmission capabilities of the Switched Transport provided.
- (6) FGD, when being used in the terminating direction may be used to access valid NXXs in the FGD Access area. If the FGD connection is made directly to an end office the Access Area is that of that end office only. If the FGD connection is made to an access tandem, the Access Area is all end offices subtending that access tandem that have FGD capabilities. When the customer wants access to all end offices subtending that access tandem (both equal access and non equal access) a single FGD trunk group may be used. Traffic terminating at a non equal access end office using a FGD trunk group will be ordered as FGB or FGC and billed at FGB or FGC rates. Separate trunk groups for the combined use of FGD and FGB or FGC are not required. The description of any FGD Access Area will be provided to the customer upon request. FGD may also be used in the terminating direction to access information services (e.g., time and temperature) and other services by dialing the appropriate codes when the service can be reached using valid NXX codes.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.1 **Description of Feature Groups** (Cont'd)

(D) **Feature Group D** (Cont'd)

- (7) A separate trunk group will be established based on directionality (i.e., originating only, terminating only, or two-way traffic) of the FGD arrangement provided.
- (8) The access code for FGD is a uniform access code of the form 101XXXX. No access code is required if the end user's Telephone Company local service is arranged for Primary Interexchange Carrier (PIC) arrangement as in 6.5 to the same customer. The number dialed by the end user shall be a seven or ten digit number for calls in the North American Numbering Plan (NANP). For international calls outside the NANP, a five to twelve digit number may be dialed. The form of the numbers dialed by the end users is NXX-XXXX, 0 or 1 + NXX-XXXX, NPA + NXX-XXXX, 0 or 1 + NPA + NXX-XXXX, and, when the International Direct Distance Dialing Arrangement (IDDD) is provided, 01 + CC + NN or 011 + CC + NN. When the 101XXXX access code is used, FGD also provides for dialing the digit 0 for access to the customer's operator, or the end-of-dialing digit (#) for cut-through access to the CDL. FGD also provides for the dialing of digits 00 for access on a non-DDD basis to the customer's operator when the end user's service is designated to the customer as in 6.5 and 4.5.2(V). A single access code will be the assigned number for all FGD provided to the customer by the Telephone Company.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.1 **Description of Feature Groups** (Cont'd)

(D) **Feature Group D** (Cont'd)

(8) (Cont'd)

In addition to the standard 101XXXX access code, the customer has the option to use 950-XXXX as an access code for FGD Switched Access Service. When the customer orders FGD Switched Access Service with 950-XXXX Access as described in 4.2.5(T), FGD Switched Access calls may also be originated by using the customer's 950-XXXX access code(s). All such calls will be rated as FGD Switched Access calls.

FGD, provided with multifrequency address signaling or SS7 Out of Band Signaling, is arranged to receive address signaling through the use of Dual Tone Multifrequency (DTMF) or dial pulse address signaling from the end user.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.1 **Description of Feature Groups** (Cont'd)

(D) **Feature Group D** (Cont'd)

- (9) FGD may, at the option of the customer, be arranged to provide ANI arrangement to obtain the calling station billing number. The ANI arrangement provides ten digit station billing number information to the CDL. When SS7 Out of Band Signaling is specified, the customer may obtain an ANI equivalent by ordering the Charge Number optional feature as described in 4.2.5(AD). In those situations where no billing number is available in the end office switch, no ten digit number will be provided, only the area code and an "operator identification" information digit will be provided.

In those cases where an ANI failure has occurred in the end office switch, no ten digit number will be provided, and an "identification failure" information digit will be provided. ANI will be made available using multifrequency signaling provided by the Telephone Company.

Dependent upon the group type, the ANI spill may be forwarded prior to the called number in appropriately equipped end offices. When the ANI spill is sent prior to the called number, ten digits will be forwarded (NPA + NXX-XXXX). When the ANI spill is sent after the called number, the conventional seven digits will be forwarded. The Telephone Company will determine the sequencing and protocol of the ANI spill and called number.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.1 **Description of Feature Groups** (Cont'd)

(D) **Feature Group D** (Cont'd)

- (10) FGD may, at the option of the customer, be arranged for the International Direct Distance Dialing (IDDD) Arrangement in the originating direction. The end office switches or access tandem switches which are equipped for IDDD will be designated by the Telephone Company. The CDL must be equipped to receive the IDDD supervisory and address signals and the CDL must provide operator assistance to the end users if necessary to obtain the IDDD address signals once the CDL acknowledges it is ready to receive IDDD address signals.

FGD may also be arranged to forward the international calls of one or more international carriers to the customer. This arrangement requires verification by the Telephone Company that the customer is authorized to forward such calls.

- (11) (Reserved for Future Use)  
(12) (Reserved for Future Use)

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.1 **Description of Feature Groups** (Cont'd)

(D) **Feature Group D** (Cont'd)

(13) FGD is provided with basic testing at no additional charge. Basic tests include: loss, 3 tone slope, (C-message and C-notched), and where applicable, signaling and balance testing.

(a) Where Telephone Company equipment is available, a seven digit access number will be provided to the customer for testing in the terminating direction. These access numbers shall include: balance (100 type) test line, milliwatt (102 type) test line, nonsynchronous or synchronous test line, automatic transmission measuring (105 type) test line, data transmission (107 type) test line, loop around test line, short circuit test line and open circuit test line. Access to test lines by other than seven digits is at the option of the Telephone Company and may vary in availability.

(b) Where Telephone Company equipment is available and the customer is equipped with compatible equipment (remote office test lines and 105 test lines with associated responders or their functional equivalent), FGD will be provided with automatic testing.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.1 **Description of Feature Groups** (Cont'd)

(D) Feature Group D (Cont'd)

(13) (Cont'd)

- (c) At the option of the Telephone Company, cooperative testing may be provided in lieu of automatic testing. Cooperative testing is where the Telephone Company provides a technician at its office(s) and the customer provides a technician at its CDL, with suitable test equipment to perform the required tests. The Telephone Company will routinely perform maintenance testing from its access tandem or end office (if direct routed) to the customer's first point of switching. Additional testing charges will apply as in 6.6 when: (a) the customer requests a test not specified in the preceding; (b) the test requested is not essential to the ongoing maintenance of FGD; or (c) the customer requests testing on a more frequent basis than scheduled in the Telephone Company's Central Office Maintenance Planning System (COMPS).

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.1 **Description of Feature Groups** (Cont'd)

(D) **Feature Group D** (Cont'd)

(13) (Cont'd)

(d) When FGD and 800, 877 or 888 SAC Access service with SS7 Out of Band Signaling is ordered, network compatibility and other operational tests will be performed cooperatively by the Telephone Company and the customer at locations, dates, and times as specified by the Telephone Company in consultation with the customer. These tests are as specified in Bellcore Technical Reference Publication TR-TSV-000905. Successful completion is necessary to receive the SS7 signaling option. To protect the security of the SS7 network, certain of the information provided, i.e., point codes, by the Telephone Company to the customer will be subject to a nondisclosure agreement.

(14) FGD may, at the option of the customer, be provided with Alternate Traffic Routing. This arrangement, as shown in 4.2.5(A), delivers originating traffic from an end office over a designated trunk group to the CDL. When that trunk group is fully loaded, additional originating traffic is automatically delivered over one or more designated trunk groups to one or more CDLs.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.1 **Description of Feature Groups** (Cont'd)

(D) **Feature Group D** (Cont'd)

- (15) FGD may, at the option of the customer, be provided with a Service Class Routing Arrangement. This arrangement allows originating traffic to be delivered over selected trunk groups to specified CDLs based on service prefix code (e.g., 0-, 0+, 1+, 01, 011); service class codes (e.g., 500, 700, 800, 877, 888, 900); or end user originating line class of service (e.g., coin, hotel/motel). Service classes of traffic unable to be served by a customer will be handled at the option of the Telephone Company.
- (16) (Reserved for Future Use)
- (17) FGD will be arranged to accept calls from Telephone Company local service without the 101XXXX uniform access code. Each Telephone Company local service will be marked to identify which 101XXXX code its calls will be directed to for InterMarket Service Area service.
- (18) FGD may, at the option of the customer, be provided with a Trunk Access Limitation Arrangement. The Trunk Access Limitation Arrangement provides for the routing of designated (e.g., 900 Service class code) originating calls to a specified number of transmission paths in a trunk group.

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**4. SWITCHED ACCESS (Cont'd)****4.2 Description of Switched Access (Cont'd)****4.2.1 Description of Feature Groups (Cont'd)****(D) Feature Group D (Cont'd)**

- (19) FGD may, at the option of the customer, be provided with an Operator Assistance Full Feature Arrangement. This arrangement provides, to the customer operator, the initial coin control function. FGD is provided in a directly routed arrangement from the end office switch when this feature is provided. This feature may require the routing by Service Class Routing Arrangement, in (15). The coin collection and return protocol required by the customer must be compatible with Telephone Company equipment. Offering of this feature is contingent upon suitable administrative procedures/agreements for coin services being negotiated between the customer and the Telephone Company. This option is unavailable in conjunction with SS7 Out of Band Signaling.
- (20) FGD is provided with either Type A, Type B, or Type C transmission performance as follows: a) when routed directly to the end office, either Type B or Type C is provided; b) when routed to an access tandem, only Type A is provided; c) Type A is provided on the transmission path from the access tandem to the end office. Type C transmission performance is provided with Interface Arrangement 1. Type A and Type B are provided with Interface Arrangements 2 through 10. In addition, Data Transmission Parameters may, at the option of the customer, be provided with FGD.
- (21) FGD trunking arrangements are available with two basic forms of signaling protocol. The standard signaling protocol provided with FGD is Overlap Outpulsing. At the option of the customer, where technically available FGD may be provided with Non-Overlap Outpulsing signaling protocol.

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**4. SWITCHED ACCESS (Cont'd)****4.2 Description of Switched Access (Cont'd)****4.2.1 Description of Feature Groups (Cont'd)****(E) SAC Access Service**

Service Access Code (SAC) Access Service is an originating service that is provided via SAC Access Service switched trunk groups, or may be provided in conjunction with FGC or FGD. SAC Access Service may also be provided in conjunction with BSA-C or BSA-D as shown in 4.2.2. When a 1+500-NXX-XXXX or 0+500-NXX-XXXX call is originated by an end user for 500 SAC Access Service, the 500 Customer Identification Function as described in 4.2.20, determines the customer to which the 500 call is to be routed based on the 500 NXX code dialed. When a 1+800-NXX-XXXX, 1+877-NXX-XXXX or 1+888-NXX-XXXX call is originated by an end user for 800/877/888 SAC Access Service, the 800/877/888 Customer Identification Function as described in 4.2.11 determines the customer to which the 800, 877 or 888 call is routed. When a 1+900-NXX-XXXX call is originated by an end use for 900 SAC Access Service, the 900 Customer Identification Function, as described in 4.2.12, determines the customer to which the call is to be routed based on the 900 NXX code dialed.

- (1) Service Access Code (SAC) Access Service is provided at Telephone Company appropriately equipped end offices or tandem switches.
- (2) Originating SAC Access Service is a trunk side switched service that is available to the customer via SAC Access Service trunk groups. The appropriate Customer Identification Function, in 4.2.11, 4.2.12 and 4.2.20, must be ordered in conjunction with each SAC Access Service trunk group. SAC Access Service traffic at the option of the customer can be carrier on the same group with non-SAC Access traffic.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.1 **Description of Feature Groups** (Cont'd)

(E) **SAC Access Service** (Cont'd)

- (3) When a 1+N00-NXX-XXXX or 0-500-NXX-XXXX call is originated by an End User, the Telephone Company will perform the Customer Identification Function based upon the dialed digits to determine the disposition of the call. If the call originates from an end office not equipped to provide the Customer Identification Function, the call will be routed to an office where the function is available. Once the Customer Identification Function has been performed, the call will be routed to the customer.
- (4) The manner in which SAC Access Service is provided is dependent on the status of the end office from which the service is provided (i.e., equipped with equal access capabilities or not equipped with equal access capabilities). When SAC Access Service is provided from an end office equipped with equal access capabilities, all such service will be provisioned in accordance with the technical characteristics available with FGD or BSA-D except when more than one tandem is employed in the transport of a SAC Access Service call.

When SAC Access Service is provided from an end office not equipped with equal access capabilities, such service will be provisioned in accordance with the technical characteristics available with FGC, FGD, BSA-C or BSA-D. In either case, when more than one tandem is employed in the transport of a SAC Access Service call, Standard Transmission characteristics are not guaranteed.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.1 **Description of Feature Groups** (Cont'd)

(E) **SAC Access Service** (Cont'd)

- (5) For other than FGC or BSA-C, end offices lacking equal access capability or the Customer Identification Function may only be served via an equal access tandem over FGD or BSA-D trunks or SAC Access Service trunk groups. For FGC or BSA-C, SAC Access Service can be provided through an existing trunk group or separate FGC of BSA-C trunk group which handles SAC Access Service. SAC Access Service from an access tandem, with both equal and non-equal access end offices, can be combined on a single FGD or BSA-D trunk group to the CDL. SAC Access Service from an access tandem with non-equal access end offices can be provided on a FGC or BSA-C trunk group.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.1 **Description of Feature Groups** (Cont'd)

(E) **SAC Access Service** (Cont'd)

- (6) 500 SAC Access Service originating from equal access end offices with the 500 Customer Identification Function, described in 4.2.20, may be provided using exchange access signaling with overlap outpulsing and ten digit ANI. 900 SAC Access Service originating from equal access end offices with the 900 Customer Identification Function, described in 4.2.12, may be provided using exchange access signaling with overlap outpulsing and ten digit ANI. 800/877/888 SAC Access Service originating from equal access end offices without the 800/877/888 Customer Identification Function described in 4.2.11 may be provided using exchange access signaling without overlap outpulsing and with ten digit ANI. SAC Access Service originating from equal access end offices without the Customer Identification Function capabilities, or from end offices not having equal access capability, may be provided using conventional signaling. On traffic using conventional signaling, other than FGC or BSA-C, the customer's facilities shall provide off hook supervision upon receipt of the transmitted digits.

SAC Access Service may also be provided with SS7 Out of Band Signaling from suitably equipped end office or access tandem switches.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.1 **Description of Feature Groups** (Cont'd)

(E) **SAC Access Service** (Cont'd)

- (7) For SAC Access Service traffic originating from equal access end offices with the Customer Identification Function capabilities, FGD parameters as specified in 4.2.1(D) apply or BSA-D parameters as specified in 4.2.2(D) apply.

For SAC Access Service traffic, other than 800/877/888 SAC Access, originating from all other end offices, FGC parameters as specified in 4.2.1(C) apply or BSA-C parameters as specified in 4.2.2(C) apply.

Telephone Company switch and customer premise interface in 4.2.3 for FGD or BSA-D also apply to SAC Access Service.

- (8) 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 these 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. 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.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.1 **Description of Feature Groups** (Cont'd)

(E) **SAC Access Service** (Cont'd)

- (9) The Federal Communications Commission (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.

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4. **SWITCHED ACCESS (Cont'd)**

4.2 **Description of Switched Access (Cont'd)**

4.2.2 **Description of Basic Serving Arrangements (BSAs)**

The Telephone Company, under the ordering provisions in Section 3, at rates and charges specified in 4.6, will provide Lineside, Trunkside and Dedicated Network Access Link (DNAL) Switched Access Basic Serving Arrangements (BSAs) as follows:

(A) BSA-A

Basic Serving Arrangement A (BSA-A), which is available to all customers, provides line side access to Telephone Company end office switches with an end user access code of NXX-XXXX for the customer's use in originating communications from and terminating communications to an Interexchange Carrier's InterMSA service or facilities or a customer-provided InterMSA communications capability. The customer, upon request by the Telephone Company, must specify the Interexchange Carrier to which his BSA-A service is connected or, in the alternative, specify the means by which the BSA-A access communications is transported to another MSA. BSA-A is available as Message Telecommunications Service-type or Wide Area Telecommunications Service-type (MTS/WATS-type) access or as Foreign Central Office/Off Network Access Line (FCO/ONAL) open end access.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.2 **Description of Basic Serving Arrangements (BSAs)** (Cont'd)

(A) BSA-A (Cont'd)

- (1) BSA-A is provided at all Telephone Company end office switches and switches customer communications to and from Common Lines, or Special Access Lines.

BSA-A utilizes a two-point electrical communications path between the Interface Arrangement and the Common Line or Special Access Line which is a voice grade transmission path comprised of any form or configuration of plant capable of, and typically used in the telecommunications industry for, the transmission of the human voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hz.

- (2) BSA-A is provided as line-side switching through end office switch line equipment. Line-side switching may, at the option of the customer, be provided with ground start supervisory signaling or loop start supervisory signaling.

(C)

- (3) The customer shall select the first point of switching, within the selected BSA-A Access Area.

4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.2 **Description of Basic Serving Arrangements (BSAs)** (Cont'd)

(A) BSA-A (Cont'd)

- (4) BSA-A is arranged for originating calling only, terminating calling only or two-way calling. The Telephone Company will determine the type of calling to be provided unless the customer requests the option, Customer Specification of Switched Access Directionality as described in 4.2.5(H). For such specification, additional charges on an Individual Case Basis will apply if the calling arrangements are different than that the Telephone Company would have provided without such special arrangements. Originating calling permits the origination of calls from the end user to the CDL. Terminating calling permits the termination of calls from the CDL to the end user. Two-way calling permits either the origination or termination of calls, but not simultaneously.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.2 **Description of Basic Serving Arrangements (BSAs)** (Cont'd)

(A) BSA-A (Cont'd)

- (5) BSA-A, when being used in the terminating direction, is arranged with dial tone start-dial signaling and dial pulse address signaling.

BSA-A, when being used in the terminating direction, may, at the option of the customer, be arranged for Dual Tone Multifrequency (DTMF) address signaling, subject to availability of equipment in the end office from which BSA-A is provided.

When BSA-A is provided in a Hunt Group Arrangement or Uniform Call Distribution Arrangement, as discussed in 4.2.23, all BSA-A will be arranged for the same type of signaling.

No address signaling is provided by the Telephone Company when BSA-A is used in the originating direction. Address signaling in such cases, if required by the customer, must be provided by the end user using inband tone signaling techniques. Such inband tone address signals will be subject to the ordinary transmission capabilities of the Switched Transport provided.

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**4. SWITCHED ACCESS (Cont'd)****4.2 Description of Switched Access (Cont'd)****4.2.2 Description of Basic Serving Arrangements (BSAs) (Cont'd)****(A) BSA-A (Cont'd)**

- (6) BSA-A, when used in the terminating direction, may be used to access valid NXXs in the BSA-A Access Area. For BSA-A, the Access Area is defined as the local calling area of the end office switch from which the BSA-A is provided. The description of any specific BSA-A Access Area will be provided to the customer upon request. Access is also provided for Extended BSA-A terminating calls established on a 1+ basis (i.e., toll) outside the specific BSA-A Access Area (i.e., local calling area) however inside the MSA. When a BSA-A customer chooses to terminate toll calls outside the MSA via an Interexchange Carrier's Service (i.e., no screening or blocking performed by customer), the rates and charges in 4.5.2 apply. The Telephone Company may, at the customer's request, and depending on the technical capabilities, screen and block such interMSA calls. Access is also provided to local operator service (0- and 0+), directory assistance (411 and 555-1212), emergency reporting service (911), local telephone repair (611), information services (e.g., time and temperature) and IC services (by dialing the appropriate digits). The customer will be billed for an operator surcharge as in the Telephone Company General and/or Local Tariffs, for local operator assistance (0-) calls; certain community information service calls; directory assistance (411 and 555-1212) calls; and customer call charges in accordance with other IC tariffs in force when the Telephone Company performs the billing for such customer calls.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.2 **Description of Basic Serving Arrangements (BSAs)** (Cont'd)

(A) BSA-A (Cont'd)

(6) (Cont'd)

Access to these services may, at the option of the customer, be blocked when the Call Denial on Line or Hunt Group three digit or six digit dial code screening arrangements are provided, subject to the availability of the equipment in the end office from which BSA-A is provided. Call Denial on Line or Hunt Group is an arrangement which will screen terminating calls except calls to 411, 611, 911, 800, 877, 888, 555-1212, and a set of NXXs selected by the customer, in cooperation with the Telephone Company for each end office switch and route all other calls to reorder tone or recorded announcement.

Three digit dial code screening is an arrangement which will screen terminating calls and allow completion of calls to one or more specific NXXs (or all NXXs) within the Home NPA, or calls to one, two, or three digit service codes (e.g., 0, 411) and route all others to reorder tone or recorded announcement.

Six digit dial code screening is an arrangement which will screen Access Area terminating calls and allow completion of calls to selected NXXs within foreign NPAs and route all other calls in the foreign NPA to reorder tone or recorded announcement.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.2 **Description of Basic Serving Arrangements (BSAs)** (Cont'd)

(A) BSA-A (Cont'd)

- (7) BSA-A is provided on a single line basis. When BSA-A is provided in a Hunt Group Arrangement or a Uniform Call Distribution Arrangement, the BSA-A may also, at the option of the customer, be provided with a Nonhunting Number Arrangement. The Uniform Call Distribution Arrangement and the Nonhunting Number Arrangement are only available from certain Telephone Company end office switches. All BSA-A in a Hunt Group Arrangement or Uniform Call Distribution Arrangement with the Nonhunting Number Arrangement will be similarly arranged.
- (8) A seven digit telephone number assigned by the Telephone Company is provided for access to BSA-A in the originating direction. The seven digit local telephone number will be associated with the selected end office switch and is of the form NXX-XXXX. If the customer requests a specific seven digit telephone number that is not currently assigned and the Telephone Company can, with reasonable effort, comply with that request, the requested number will be assigned to the customer.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.2 **Description of Basic Serving Arrangements (BSAs)** (Cont'd)

(A) BSA-A (Cont'd)

- (9) BSA-A is provided with basic testing at no additional charge. Basic tests include: loss, 3 tone slope, (C-message and C-notched), dc continuity and when applicable operational signaling.

Where Telephone Company equipment is available, a seven digit access number will be provided to the customer for testing in the terminating direction. These access numbers shall include: balance (100 type) test line, and milliwatt (102 type) test line.

Additional testing will apply as in 6.6 when: (a) the customer requests a test not specified in the preceding; (b) the test requested is not essential to the ongoing maintenance of BSA-A; or (c) the customer requests testing on a more frequent basis than scheduled for in the Telephone Company's Central Office Maintenance Planning System (COMPS). The Telephone Company will routinely perform maintenance testing from the dial tone end office to the customer's first point of switching.

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

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.2 **Description of Basic Serving Arrangements (BSAs)** (Cont'd)

(A) BSA-A (Cont'd)

- (11) BSA-A is provided with either Type B or Type C transmission performance. The parameters associated with these performances are guaranteed to the first point of switching. Type C transmission performance is provided with Interface Arrangement 1 and Type B is provided with Interface Arrangement 2 through 10. In addition, Data Transmission Parameters may, at the option of the customer, be provided with BSA-A.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.2 **Description of Basic Serving Arrangements (BSAs)** (Cont'd)

(B) BSA-B

Basic Serving Arrangement B (BSA-B), which is available to all customers, provides trunk-side access to Telephone Company end office switches with an associated uniform 950-XXXX access code for originating and terminating communications for customer provided intrastate communications capability or connection to an interexchange intrastate service.

- (1) BSA-B, when provided without the use of a Telephone Company access tandem switch (in a directly routed arrangement), is provided at all Telephone Company appropriately equipped electronic end office switches. When provided via Telephone Company appropriately equipped electronic access tandem switches, BSA-B End Office Services are provided at all Telephone Company subtending end office switches in the terminating direction and at appropriately equipped end offices in the originating direction utilizing the end user access code of 950-XXXX. For those subtending end offices that are not appropriately equipped, access in the originating direction is available by the end user access code of 1+950-XXXX.

BSA-B utilizes a two-point electrical communications path between the Interface Arrangement and Common Line or a Special Access Line, which is a voice grade transmission path comprised of any form or configuration of plant capable of, and typically used in the telecommunications industry for, the transmission of the human voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hz.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.2 **Description of Basic Serving Arrangements (BSAs)** (Cont'd)

(B) BSA-B (Cont'd)

- (2) BSA-B is provided as trunk-side switching through the use of office switch trunk equipment. The switch trunk equipment is provided with wink start pulsing and answer and disconnect supervisory signaling.

(C)  
(C)

- (3) The Telephone Company will select the trunking arrangement from the end office within the selected Access Area from which BSA-B is to be provided. If the customer orders Rotary Dial Station Signaling, as shown in 4.2.5, special routing and trunking arrangements may be required.

- (4) BSA-B is arranged for either originating, terminating, or two-way calling based on the trunks or BHMC ordered. The Telephone Company will determine the type of directional calling to be provided unless the customer requests the option, Customer Specification of Switched Access Directionality as described in 4.2.5. For such specification, additional charges on an Individual Case Basis will apply if the calling arrangements are different from that the Telephone Company would have provided without such special arrangements. Originating calling permits the origination of calls from the end user to the CDL. Terminating calling permits the termination of calls from the CDL to the end user. Two-way calling permits either the origination or termination of calls, but not simultaneously.

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**4. SWITCHED ACCESS (Cont'd)****4.2 Description of Switched Access (Cont'd)****4.2.2 Description of Basic Serving Arrangements (BSAs) (Cont'd)****(B) BSA-B (Cont'd)**

- (5) BSA-B, when being used in the terminating and originating direction, is provided with multifrequency address signaling. At the option of the customer, up to 7 Digits Outpulsing of Access Digits to the customer will be provided in the originating direction by the Telephone Company equipment to the CDL where the BSA-B terminates. Except for BSA-B provided with the ANI arrangement or Rotary Dial Station Signaling, any other address signaling in the originating direction, if required by the customer, must be provided by the end user using inband tone signaling techniques. Such inband tone address signals will not be regenerated by the Telephone Company and will be subject to the ordinary transmission capabilities of the Switched Transport provided.
- (6) BSA-B, when being used in the terminating direction, may be used to access valid NXXs in the BSA-B Access Area. If the BSA-B connection is made directly to an end office, the Access Area is that of that end office only. If the BSA-B connection is made to an access tandem, the Access Area is that of all end offices subtending that access tandem. The description of any BSA-B Access Area will be provided to the customer upon request. Access is also available to information services (e.g., time and temperature) and IC services by dialing the appropriate digits and other services when those services can be reached using valid NXX codes. End Office Switching - Unbundled (EOSU) rates in 4.5.2 and 4.6.3 apply to all FGB usage.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.2 **Description of Basic Serving Arrangements (BSAs)** (Cont'd)

(B) BSA-B (Cont'd)

- (7) A separate trunk group will be established based on the directionality (i.e., originating only, terminating only, or two-way traffic) of the BSA-B arrangement provided.
- (8) The access code for BSA-B is a uniform access code in the form of 9500-XXXX. For end offices not appropriately equipped an IC may instruct their end uses to access the BSA-B by dialing 1+950-XXXX.
- (9) BSA-B may, at the option of the customer, be arranged to provide an ANI arrangement to obtain the calling station billing numbers, ANI is not available if the BSA-B connection is at a Telephone Company access tandem. The ANI arrangement provides seven digit calling station billing number information to the CDL. In those situations where no billing number is available in the end office switch, as with 4/8 party service, no seven digit number will be provided and a "operator identification" information digit will be provided.

In those cases where an ANI failure has occurred in the end office switch, no seven digit number will be provided, and an "identification failure" information digit will be provided. ANI will be available using multifrequency signaling provided by the Telephone Company.

4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.2 **Description of Basic Serving Arrangements (BSAs)** (Cont'd)

(B) BSA-B (Cont'd)

(9) (Cont'd)

Rotary Dial Station Signaling will be made available in certain end offices using dial repeating equipment provided by the Telephone Company. The customer must order Switched Transport arranged to pass the dial repeating signals. BSA-B is provided I directly routed arrangements where the ANI or Rotary Dial Station Signaling arrangements are provided.

Only calls from end users terminated on the end office switch will be provided with the ANI or Rotary Dial Station Signaling arrangements.

(10) The Telephone Company will determine the end office ANI protocol for BSA-B. The Telephone Company makes no guarantee that ANI will be available at all end offices which have access to BSA-B.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.2 **Description of Basic Serving Arrangements (BSAs)** (Cont'd)

(B) BSA-B (Cont'd)

(11) BSA-B is provided with basic testing at no additional charge. Basic tests include: Loss, 3 ton slope, (C-message and C-notched noise) and where applicable, dc continuity, signaling and balance testing.

(a) Where Telephone Company equipment is available, a seven digit access number will be provided to the customer for testing in the terminating direction. These access numbers shall include: balance (100 type) test line, milliwatt (102 type) test line, data transmission (107 type) test line, loop around test line, short circuit test line and open circuit test line.

(b) Where Telephone Company equipment is available and the customer is equipped with compatible remote office test lines, BSA-B will be provided with automatic testing (105 type or equivalent) in the originating direction.

Additional testing charges apply as in 6.6 when: (a) the customer requests a test not specified in the preceding; (b) the test requested is not essential to the ongoing maintenance of BSA-B; or (c) the customer requests testing on a more frequent basis than scheduled in the Telephone Company's Central Office Maintenance Planning System (COMPS). The Telephone Company will routinely perform maintenance testing from its access tandem or end office (if direct routed) to the customer's first point of switching.

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4. **SWITCHED ACCESS (Cont'd)**

4.2 **Description of Switched Access (Cont'd)**

4.2.2 **Description of Basic Serving Arrangements (BSAs) (Cont'd)**

(B) BSA-B (Cont'd)

- (12) When all BSA-B is discontinued at an end office and/or in an Access Area, a regular number intercept announcement is provided. This arrangement provides, for a limited period of time, an announcement that the BSA-B associated with the number dialed has been disconnected.
- (13) BSA-B is provided with either Type B or Type C transmission performance. The parameters associated with these performances are guaranteed to the end office, when routed directly, or to the first point of switching, when routed via an access tandem. Type C transmission performance is provided with Interface Arrangement 1 and Type B is provided with Interface Arrangements 2 through 10. In addition, Data Transmission Parameters may, at the option of the customer, be provided with BSA-B.
- (14) BSA-B may at the option of the customer and with the concurrence of the Telephone Company, be provided with Alternate Traffic Routing. This arrangement, as shown in 4.2.23, delivers originating traffic from an end office over a designated trunk group to the CDL. When that trunk group is fully loaded, additional originating traffic is automatically delivered over one or more designated trunk groups to one or more CDLs.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.2 **Description of Basic Serving Arrangements (BSAs)** (Cont'd)

(C) BSA-C

Basic Serving Arrangement C (BSA-C) provides trunk-side access to Telephone Company end office switches for providers of MTS and WATS for originating and terminating communications. BSA-C is available in all end offices which are not equipped for FGD or BSA-D End Office Services.

- (1) BSA-C is provided at all Telephone Company end office switches or Telephone Company designated access tandem switches. BSA-C is available at an end office switch unless FGD or BSA-D is provided in the same office. When FGD or BSA-D is available, BSA-C will be discontinued as soon as the conversion to BSA-D can be arranged.

BSA-C utilizes a two-point electrical communications path between the Interface Arrangement and Common Line or Special Access Line which is a voice grade transmission path comprised of any form or configuration of plant capable of, and typically used in the telecommunications industry for, the transmission of the human voice and associated signals within the frequency bandwidth of approximately 300 to 3000 Hz.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.2 **Description of Basic Serving Arrangements (BSAs)** (Cont'd)

(C) BSA-C (Cont'd)

- (2) BSA-C is provided as trunk-side switching through the use of end office switch trunk equipment. The switch trunk equipment is provided with answer and disconnect supervisory signaling. Wink start pulsing signals are provided in all offices where available. In those offices where wink start pulsing signals are not available, delay dial start pulsing signals will be provided

(C)

- (3) The Telephone Company will select the trunking arrangement from the end office within the selected Access Area from which BSA-C is to be provided. If the customer orders a Service C Routing Arrangement, special routing and trunking arrangements may be required.

(C)

4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.2 **Description of Basic Serving Arrangements (BSAs)** (Cont'd)

(C) BSA-C (Cont'd)

- (4) BSA-C is arranged for either originating calling only, terminating calling only, or two-way calling based on the trunks or BHMC ordered. The Telephone Company will determine the type of Directional calling to be provided unless the customer requests the option, Customer Specification of Directionality as described in 4.2.5. For such specification, additional charges on an Individual Case Basis will apply if the trunk group Routing arrangements are different from that the Telephone Company would have provided without such special arrangements. Originating calling permits the origination of calls from the end user to the CDL. Terminating calling permits the termination of calls from the CDL to the end user. Two-way calling permits either the origination or termination of calls, but not simultaneously.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.2 **Description of Basic Serving Arrangements (BSAs)** (Cont'd)

(C) BSA-C (Cont'd)

- (5) BSA-C is provided with multifrequency address signaling except in certain electromechanical end office switches where multifrequency signaling is not available. In such electromechanical end office switches, the address signaling will be dial pulse or revertive pulse signaling, whichever is available. Dial pulse address signaling may, at the option of the customer, be provided in lieu of multifrequency address signaling if such signaling facilities are available in the end office. Up to twelve digits of the called party number dialed by the customer's end user will be provided by Telephone Company equipment to the CDL where the BSA-C terminates. Such called party number signals will be subject to the ordinary transmission capabilities of the Switched Transport provided.
- (6) BSA-C, when being used in the terminating direction, may be used to access NXXs in the BSA-C Access Area. If the BSA-C connection is made directly to an end office the Access Area is that of that end office only. If the BSA-C connection is made to a Telephone Company access tandem the Access Area is that of all end offices subtending that Telephone Company access tandem. The description of any BSA-C Access Area will be provided to the customer upon request. Access is also available to Directory Assistance and other services (by dialing the appropriate codes) when the services can be reached using valid NXX codes.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.2 **Description of Basic Serving Arrangements (BSAs)** (Cont'd)

(C) BSA-C (Cont'd)

- (7) A separate trunk group will be established based on the directionality (i.e., originating only, terminating only, or two-way traffic) of the BSA-C arrangement provided.
  
- (8) No access code is required for BSA-C. In certain locations, due to Central Office equipment limitations, two or three digit access codes may be used. The telephone number dialed by AT&TC's end user shall be a seven or ten digit number for calls in the North American Numbering Plan (NANP). For international calls outside the NANP, a five to twelve digit number may be dialed. The form of the numbers dialed by AT&TC's end user is NXX-XXXX, 0 or 1 + NXX-XXXX, NPA + NXX-XXXX, 0 or 1 + NPA + NXX-XXXX, and, when the International Direct Distance Dialing Arrangement (IDDD) is provided, 01 + CC + NN or 011 + CC + NN.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.2 **Description of Basic Serving Arrangements (BSAs)** (Cont'd)

(C) BSA-C (Cont'd)

- (9) BSA-C may, at the option of the customer, be arranged to provide an ANI arrangement to obtain the calling station billing number. The ANI arrangement provides seven digit station billing number information to the CDL. In those situations where no billing number is available in the end office switch, as with 4/8 party service, no seven digit number will be provided and an "operator identification" information digit will be provided.

In those cases where an ANI failure has occurred in the end office switch, no seven digit number will be provided and an "identification failure" information digit will be provided. ANI will be made available using multifrequency signaling provided by the Telephone Company.

BSA-C is provided in directly routed arrangements to the end office switch where the ANI arrangement is provided. The Telephone Company will determine the end office ANI protocol for BSA-C.

Only calls from end users terminated on the end office switch will be provided with the ANI arrangement. ANI is provided from end offices for which Telephone Company recording for end user billing is not provided, or where it is not required, as with 800/877/888 Service. It is not provided from end offices for which the Telephone Company needs to forward ANI to its recording equipment.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.2 **Description of Basic Serving Arrangements (BSAs)** (Cont'd)

(C) BSA-C (Cont'd)

- (10) BSA-C may, at the option of the customer, be arranged for International Direct Distance Dialing (IDDD) arrangement in the originating direction. End offices or Telephone Company access tandems equipped for IDDD will be designated by the Telephone Company. The CDL must be equipped to receive the IDDD supervisory and address signals and the CDL must provide operator assistance to the end users if necessary to obtain the IDDD address signals once the CDL acknowledges it is ready to receive IDDD address signals.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.2 **Description of Basic Serving Arrangements (BSAs)** (Cont'd)

(C) BSA-C (Cont'd)

(11) BSA-C is provided with basic testing at no additional charge. Basic tests include: loss, 3 tone slope, (C-message and C-notched), and where applicable, signaling and balance testing.

(a) Where Telephone Company equipment is available, a seven digit access number will be provided to the customer for testing in the terminating direction. The access number shall include: balance (100 type) test line, milliwatt (102 type) test line, automatic transmission measuring (105 type) test line, data transmission (107 type) test line, nonsynchronous or synchronous test line, loop around test line, short circuit test line and open circuit test line.

(b) Where Telephone Company equipment is available and the customer is equipped with compatible equipment (remote office test lines and 105 test lines with associated responders or their functional equivalent), BSA-C will be provided with automatic testing.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.2 **Description of Basic Serving Arrangements (BSAs)** (Cont'd)

(C) BSA-C (Cont'd)

(11) (Cont'd)

- (c) At the option of the Telephone Company, cooperative testing may be provided in lieu of automatic testing. Cooperative testing is where the Telephone Company provides a technician at its office(s) and the customer provides a technician at its CDL, with suitable test equipment to perform the required tests. The Telephone Company will routinely perform maintenance testing from its access tandem or end office (if direct routed) to the customer's first point of switching.

Additional testing charges will apply as in 6.6 when: (a) the customer requests a test not specified in the preceding; (b) the test requested is not essential to the ongoing maintenance of BSA-C; or (c) the customer requests testing on a more frequent basis than scheduled in the Telephone Company's Central Office Maintenance Planning System (COMPS).

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.2 **Description of Basic Serving Arrangements (BSAs)** (Cont'd)

(C) BSA-C (Cont'd)

- (12) BSA-C may, at the option of the customer, be provided with Alternate Traffic Routing. This arrangement, as shown in 4.2.23, delivers originating traffic from an end office over a designated trunk group to the CDL. When that trunk group is fully loaded, additional originating traffic is automatically delivered over one or more designated trunk groups to one or more CDLs.
- (13) BSA-C may, at the option of the customer, be provided with a Service Class Routing Arrangement. This arrangement allows originating traffic to be delivered over selected trunk groups to specified CDL based on service prefix (e.g., 0-, 0+, 1+, 01, 011); service class codes (e.g., 500, 700, 800, 877, 888, 900); or end user originating line class of service (e.g., coin, multiparty, hotel/motel).
- (14) BSA-C may, at the option of the customer, be provided with a Trunk Access Limitation Arrangement in all Telephone Company end offices. This arrangement provides for the routing of designated (e.g., 900 Service Code) originating calls to a specified number of transmission paths in a trunk group to the CDL in order to limit the amount of such traffic that can be completed.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.2 **Description of Basic Serving Arrangements (BSAs)** (Cont'd)

(C) BSA-C (Cont'd)

(15) BSA-C is provided with the following features in the originating direction for operator assistance services. BSA-C may require the routing by Service Class Routing Arrangement.

(a) Operator Assistance-Coin Control Arrangements for Telephone Company end offices where equipment is available - Such arrangements provide coin return control and routing of 0+, 0-, 01+ and 011+ prefixed originating calls to the CDL. The operator services system arrangement for receipt of 0+, 0-, 1+, 01+ and 011+ calls may, at the option of the customer, be provided with the ANI arrangement. The cord board arrangement for receipt of 0- originating calls is not provided with ANI. BSA-C is provided in a directly routed arrangement where the Operator Assistance-Coin Control arrangement is provided. Only calls from coin station lines terminated on the end office switch where the Operator Assistance-Coin Control Arrangement is provided will be provided to the CDL.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.2 **Description of Basic Serving Arrangements (BSAs)** (Cont'd)

(C) BSA-C (Cont'd)

(15) (Cont'd)

- (b) Operator Assistance-Noncoin Arrangements in all Telephone Company end offices - Such arrangements provide routing of 0+, 0-, 1+, 01+, and 011+ prefixed originating calls to the CDL. This arrangement for receipt of 0+, 0-, 1+, 01+, and 011+ originating calls may, at the option of the customer, be provided with the ANI arrangement.

The cord board arrangement for receipt of 0- originating calls is not provided with ANI. BSA-C is provided in a directly routed arrangement where the Operator Assistance-Noncoin Arrangement is provided. Only calls from end users terminated on the end office switch where the Operator Assistance-Noncoin Arrangement is provided will be provided to the CDL.

- (c) Operator Assistance - Combined (coin and noncoin) Arrangements in Telephone Company end offices where equipment is available - This arrangement provides the combined features described in (a) and (b).

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.2 **Description of Basic Serving Arrangements (BSAs)** (Cont'd)

(C) BSA-C (Cont'd)

- (16) BSA-C is provided with either Type B or Type C transmission performance as follows: a) when routed directly to the end office, either Type B or Type C is provided; b) when routed to an access tandem, only Type B is provided; or c) Type B or Type C is provided on the transmission path from the access tandem to the end office. Type C transmission performance is provided with Interface Arrangement 1 when routed directly to an end office. Type B is provided with Interface Arrangements 2 through 10 whether routed directly to an end office or to an access tandem. In addition, Data Transmission Parameters may, at the option of the customer, be provided with BSA-C.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.2 **Description of Basic Serving Arrangements (BSAs)** (Cont'd)

(D) **BSA-D**

Basic Serving Arrangement D (BSA-D), available to all customers at appropriately equipped electronic end office switches, provides trunk-side access to Telephone Company end office switches with an associated 101XXXX access code for providers of MTS/WATS and MTS/WATS-type services for originating and terminating communications for customer provided intrastate communications capability or connections to an interexchange intrastate service.

- (1) BSA-D utilizes a two-point electrical communications path between the Interface Arrangement and Common Line or Special Access Line which is a voice grade transmission path comprised of any form or configuration of plant capable of, and typically used in the telecommunications industry for, the transmission of the human voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hz.

SS7 Out of Band Signaling for BSA-D is provided at suitably equipped Telephone Company end office or access tandem switches.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.2 **Description of Basic Serving Arrangements (BSAs)** (Cont'd)

(D) **BSA-D** (Cont'd)

- (2) BSA-D is provided as trunk-side switching through the use of end office or Telephone Company access tandem switch trunk equipment. The switch trunk equipment is provided with answer and disconnect supervisory signaling and wink start pulsing signals except when SS7 Out of Band Signaling is specified.

(C)

- (3) The Telephone Company will select the trunking arrangement from the end office, within the selected Access Area from which BSA-D is to be provided. If the customer orders Service Class Routing Arrangement; Trunk Access Limitation Arrangement; c Operator Assistance Full Feature Arrangement, special routing and trunking arrangements may be required.

(C)

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.2 **Description of Basic Serving Arrangements (BSAs)** (Cont'd)

(D) **BSA-D** (Cont'd)

- (4) BSA-D is arranged for either originating calling only, terminating calling only, or two-way calling and is based on the trunks or BHMC ordered. The Telephone Company will determine the type of directional calling to be provided unless the customer orders an Operator Assistance Full Feature Arrangement or requests the option, Customer Specification of Switched Access Directionality as described in 4.2.5. For such arrangements, additional charges on an Individual Case Basis will apply if the trunking arrangements are different from that the Telephone Company would have provided without such special arrangements. Originating calling permits the origination of calls from the end user to the CDL. Terminating calling permits the termination of calls from the CDL. Two-way calling permits either the origination or termination of calls, but not simultaneously.
- (5) BSA-D is provided with multifrequency address signaling or SS7 Out of Band Signaling. Up to twelve digits of the called party number dialed by the end user will be provided by Telephone Company equipment to the CDL where the BSA-D terminates. Such address signals will be subject to the ordinary transmission capabilities of the Switched Transport provided.

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**4. SWITCHED ACCESS (Cont'd)****4.2 Description of Switched Access (Cont'd)****4.2.2 Description of Basic Serving Arrangements (BSAs) (Cont'd)****(D) BSA-D (Cont'd)**

- (6) BSA-D, when being used in the terminating direction, may be used to access valid NXXs in the BSA-D Access Area. If the BSA-D connection is made directly to an end office the Access Area is that of that end office only. If the BSA-D connection is made to a Telephone Company access tandem, the Access Area is all end offices subtending that access tandem that have BSA-D capabilities. When the customer wants access to all end offices subtending that access tandem (both equal access and non equal access) a single BSA-D trunk group may be used. Traffic terminating at a non equal access end office using a BSA-D trunk group will be ordered as BSA-B or BSA-C and billed at BSA-B or BSA-C rates. Separate trunk groups for the combined use of BSA-D and BSA-B or BSA-D and BSA-C are not required. The description of any BSA-D Access Area will be provided to the customer upon request. BSA-D may also be used in the terminating direction to access information services (e.g., time and temperature) and other services by dialing the appropriate codes when the services can be reached using valid NXX codes.
- (7) A separate trunk group will be established based on directionality (i.e., originating only, terminating only, or two-way traffic) of the BSA-D arrangement provided.

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**4. SWITCHED ACCESS (Cont'd)****4.2 Description of Switched Access (Cont'd)****4.2.2 Description of Basic Serving Arrangements (BSAs) (Cont'd)****(D) BSA-D (Cont'd)**

- (8) The access code for BSA-D is a uniform access code of the form 101XXXX. No access code is required if the end user's Telephone Company local service is arranged for Primary Interexchange Carrier (PIC) arrangement as in 6.5 to the same customer. The number dialed by the end user shall be a seven or ten digit number for calls in the North American Numbering Plan (NANP). For international calls outside the NANP, a five to twelve digit number may be dialed. The form of the numbers dialed by the end users is NXX-XXXX, 0 or 1 + NXX-XXXX, NPA + NXX-XXXX, 0 or 1 + NPA + NXX-XXXX, and, when the International Direct Distance Dialing Arrangement (IDDD) is provided, 01 + CC + NN or 011 + CC + NN. When the 101XXXX access code is used, BSA-D also provides for dialing the digit 0 for access to the customer's operator, or the end-of-dialing digit (#) for cut-through access to the CDL. BSA-D also provides for the dialing of digits 00 for access on a non-DDD basis to the customer's operator when the end user's service is designated to the customer as in 6.5 and 4.2.5(V). A single access code will be the assigned number for all BSA-D provided to the customer by the Telephone Company.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.2 **Description of Basic Serving Arrangements (BSAs)** (Cont'd)

(D) **BSA-D** (Cont'd)

(8) (Cont'd)

In addition to the standard 101XXXX access code, the customer has the option to use 950-XXXX as an access code for BSA-D Switched Access Service. When the customer orders BSA-D Switched Access Service with 950-XXXX Access as described in 4.2.5, BSA-D switched access calls may also be originated by using the customer's 950-XXXX access code(s). All such calls will be rated as FGD switched access calls.

BSA-D, provided with multifrequency address signaling or SS7 Out of Band Signaling, is arranged to receive address signaling through the use of Dual Tone Multifrequency (DTMF) or dial pulse address signaling from the end user.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.2 **Description of Basic Serving Arrangements (BSAs)** (Cont'd)

(D) **BSA-D** (Cont'd)

- (9) BSA-D may, at the option of the customer, be arranged to provide ANI arrangement, as shown in 4.2.23 to obtain the calling station billing number. The ANI arrangement provides ten digit station billing number information to the CDL. When SS7 Out of Band Signaling is specified, the customer may obtain an ANI equivalent by ordering the Charge Number optional feature as described in 4.2.5(AD). In those situations where no billing number is available in the end office switch, as with 4/8 party service, no ten digit number will be provided, only the area code and an "operator identification" information digit will be provided.

In those cases where an ANI failure has occurred in the end office switch, no ten digit number will be provided, and an "identification failure" information digit will be provided. ANI will be made available using multifrequency signaling provided by the Telephone Company.

Dependent upon the group type, the ANI spill may be forwarded prior to the called number in appropriately equipped end offices. When the ANI spill is sent prior to the called number, ten digits will be forwarded (NPA + NXX-XXXX). When the ANI spill is sent after the called number, the conventional seven digits will be forwarded. The Telephone Company will determine the sequencing and protocol of the ANI spill and called number.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.2 **Description of Basic Serving Arrangements (BSAs)** (Cont'd)

(D) **BSA-D** (Cont'd)

- (10) BSA-D may, at the option of the customer, be arranged for the International Direct Distance Dialing (IDDD) Arrangement in the originating direction. End Offices or Telephone Company access tandems equipped for IDDD will be designated by the Telephone Company. The CDL must be equipped to receive the IDDD supervisory and address signals and the CDL must provide operator assistance to the end users if necessary to obtain the IDDD address signals once the CDL acknowledges it is ready to receive IDDD address signals.

BSA-D may also be arranged to forward the international calls of one or more international carriers to the customer. This arrangement requires verification by the Telephone Company that the customer is authorized to forward such calls.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.2 **Description of Basic Serving Arrangements (BSAs)** (Cont'd)

(D) **BSA-D** (Cont'd)

- (11) BSA-D is provided with basic testing at no additional charge. Basic tests include: loss, 3 tone slope, (C-message and C-notched), and where applicable, signaling and balance testing.
- (a) Where Telephone Company equipment is available, a seven digit access number will be provided to the customer for testing in the terminating direction. These access numbers shall include: balance (100 type) test line, milliwatt (102 type) test line, nonsynchronous or synchronous test line, automatic transmission measuring (105 type) test line, data transmission (107 type) test line, loop around test line, short circuit test line and open circuit test line. Access to test lines by other than seven digits is at the option of the Telephone Company and may vary in availability.
- (b) Where Telephone Company equipment is available and the customer is equipped with compatible equipment (remote office test lines and 105 test lines with associated responders or their functional equivalent), BSA-D will be provided with automatic testing.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.2 **Description of Basic Serving Arrangements (BSAs)** (Cont'd)

(D) **BSA-D** (Cont'd)

(11) (Cont'd)

- (c) At the option of the Telephone Company, cooperative testing may be provided in lieu of automatic testing. Cooperative testing is where the Telephone Company provides a technician at its office(s) and the customer provides a technician at its CDL, with suitable test equipment to perform the required tests. The Telephone Company will routinely perform maintenance testing from its access tandem or end office (if direct routed) to the customer's first point of switching. Additional testing charges will apply as in 6.6 when: (a) the customer requests a test not specified in the preceding; (b) the test requested is not essential to the ongoing maintenance of BSA-D or (c) the customer requests testing on a more frequent basis than scheduled in the Telephone Company's Central Office Maintenance Planning System (COMPS).

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.2 **Description of Basic Serving Arrangements (BSAs)** (Cont'd)

(D) **BSA-D** (Cont'd)

(11) (Cont'd)

(d) When BSA-D or 800, 877 or 888 SAC Access service with SS7 Out of Band Signaling is ordered, network compatibility and other operational tests will be performed cooperatively by the Telephone Company and the customer at locations, dates, and times as specified by the Telephone Company in consultation with the customer. These tests are as specified in Bellcore Technical Reference Publication TR-TSV-000905. Successful completion is necessary to receive the SS7 signaling option. To protect the security of the SS7 network, certain of the information provided, i.e., point codes, by the Telephone Company to the customer will be subject to a nondisclosure agreement.

(12) BSA-D may, at the option of the customer, be provided with Alternate Traffic Routing. This arrangement, as shown in 4.2.23, delivers originating traffic from an end office over a designated trunk group to the CDL. When that trunk group is fully loaded, additional originating traffic is automatically delivered over one or more designated trunk groups to one or more CDLs.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.2 **Description of Basic Serving Arrangements (BSAs)** (Cont'd)

(D) **BSA-D** (Cont'd)

- (13) BSA-D may, at the option of the customer, be provided with a Service Class Routing Arrangement. This arrangement allows originating traffic to be delivered over selected trunk groups to specified CDLs based on service prefix code (e.g., 0-, 0+, 1+, 01, 011); service class codes (e.g., 500, 700, 800, 877, 888, 900); or end user originating line class of service (e.g., coin, multiparty, hotel/motel). Service classes of traffic unable to be served by a customer will be handled at the option of the Telephone Company.
- (14) BSA-D will be arranged to accept calls from Telephone Company local service without the 101XXXX uniform access code. Each Telephone Company local service will be marked to identify which 101XXXX code its calls will be directed to for InterMSA Area service.
- (15) BSA-D may, at the option of the customer, be provided with a Trunk Access Limitation Arrangement. The Trunk Access Limitation Arrangement provides for the routing of designated (e.g., 900 Service class code) originating calls to a specified number of transmission paths in a trunk group.

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4. SWITCHED ACCESS (Cont'd)

4.2 Description of Switched Access (Cont'd)

4.2.2 Description of Basic Serving Arrangements (BSAs) (Cont'd)

(D) BSA-D (Cont'd)

- (16) BSA-D may, at the option of the customer, be provided with an Operator Assistance Full Feature Arrangement. This arrangement provides, to the customer operator, the initial coin control function. BSA-D is provided in a directly routed arrangement from the end office switch when this feature is provided. This feature may require the routing by Service Class Routing Arrangement. The coin collection and return protocol required by the customer must be compatible with Telephone Company equipment. Offering of this feature is contingent upon suitable administrative procedures/agreements for coin services being negotiated between the customer and the Telephone Company. This option is unavailable in conjunction with SS7 Out of Band Signaling.
- (17) BSA-D is provided with either Type A, Type B, or Type C transmission performance as follows: a) when routed directly to the end office, either Type B or Type C is provided; b) when routed to a Telephone Company access tandem, only Type A is provided; c) Type A is provided on the transmission path from the Telephone Company access tandem to the end office. Type C transmission performance is provided with Interface Arrangement 1. Type A and Type B are provided with Interface Arrangements 2 through 10. In addition, Data Transmission Parameters may, at the option of the customer, be provided with BSA-D.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.2 **Description of Basic Serving Arrangements (BSAs)** (Cont'd)

(D) **BSA-D** (Cont'd)

- (18) BSA-D trunking arrangements are available with two basic forms of signaling protocol. The standard signaling protocol provided with BSA-D is Overlap Outpulsing. At the option of the customer, where technically available BSA-D may be provided with Non-Overlap Outpulsing signaling protocol.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.2 **Description of Basic Serving Arrangements (BSAs)** (Cont'd)

(E) **Dedicated Network Access Link (DNAL)**

The DNAL provides a connection between the customer designated location and the Telephone Company End Office that provides the BSA-A dial tone for connection to equipment that is not part of the end office switch but that is used to provide the Simplified Message Desk Interface (SMDI) BSE. The DNAL is only available for use in conjunction with the SMDI BSE.

DNAL service is either a two-wire or four-wire channel which is capable of transmitting signals within the frequency bandwidth of approximately 300 to 3000 HZ.

There are two rate elements which apply to DNALs. The entrance facility, which provides the transmission path and interface between the Telephone Company's serving wire center and the customer provided facilities at the point of termination at the CDL. If the serving wire center is not the BSA-A dial tone office, then Direct-Trunked Transport will also apply for the mileage between the serving wire center and the BSA-A dial tone office.

The rates and charges for two-wire and four-wire voiceband Entrance Facilities and Direct-Trunked Transport Facility-Voiceband apply for the DNAL Entrance Facility and DNAL Direct-Trunked Transport, respectively.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.2 **Description of Basic Serving Arrangements (BSAs)** (Cont'd)

(F) Alarm Signal Transport Service (ASTS)

ASTS is offered via DC (Metallic) and telegraph-grade facilities in conjunction with special scanning equipment in the central office.

DC (Metallic) and telegraph-grade facilities and services were discontinued effective November 3, 1991.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.3 **Description of Switched Transport** (Cont'd)

(A) **General**

- (1) Switched Transport provides the transmission of Switched Access communications including SAC Access Service, between the CDL and the originating or terminating end office switch(es) in the Access Area with one exception. Switched Transport associated with FGA or BSA-A 1+ terminating traffic provides for the transmission of Switched Access outside the Access Area, however, within the MSA. Switched Transport is comprised of the following rate elements; an Entrance Facility Rate, a Direct-Trunked Transport Rate, a Tandem-Switched Transport Rate and an Interconnection Rate. An EIS Cross Connect rate applies where switched access is interconnected with a Customer's transmission facilities in accordance with Section 17.

The Entrance Facility Rate is assessed upon customers for the use of Telephone Company Voiceband, DS1 and DS3 high capacity facilities, including interface arrangements, between the point of termination at the Customer Designated Location (CDL) and the Telephone Company's serving wire center. The Entrance Facility is further described in 4.2.3(B).

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.3 **Description of Switched Transport** (Cont'd)

(A) **General** (Cont'd)

(1) (Cont'd)

The Direct-Trunked Transport Rate is assessed upon customers for the use of Voiceband, DS1 and DS3 high capacity transport facilities dedicated to a single customer between a serving wire center and end office (including host end offices), end offices used to provide Tandem Switch Signaling, between a serving wire center and a Telephone Company Hub for multiplexing purposes, between two Telephone Company Hubs, between a serving wire center and a Directory Assistance Center, between a Telephone Company Hub and an end office and between a serving wire center and a Telephone Company access tandem. The Direct-Trunked Transport Rate is flat-rated and has both distance-sensitive and nondistance-sensitive components. Direct-Trunked Transport is further described in 4.2.3(C).

A Dedicated Trunk Port is applicable to the purchase of dedicated trunks terminated by that port. the Dedicated Trunk Port provides for the termination of a dedicated trunk at the end office or access tandem. The Dedicated Trunk Port is a flat rated charge assessed on a per trunk basis. The rate is determined based on whether the trunk is voicegrade or DS1.

Dedicated End office Port is billed as originating and terminating based on a Percent Originating Usage (POU) factor of 50%  
Originating Calculation = PIU x Originating Rate x Quantity x POU  
Terminating Calculation = PIU x Terminating Rate x Quantity x (100-POU)  
The Access Tandem Trunk Port is billed as a single rate element that does not distinguish between originating and terminating usage.

(N)  
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(N)

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.3 **Description of Switched Transport** (Cont'd)

(A) **General** (Cont'd)

(1) (Cont'd)

The Tandem-Switched Transport Rate is assessed upon customers for the use of transport between a serving wire center and an end office that is switched at an access tandem. The Tandem-Switched Transport Rate may also be assessed for transport between a Telephone Company access tandem and end office, between a host end office and a remote end office and between a FGA or BSA-A dialtone office and other end offices in the local calling area. Tandem-Switched Transport consists of circuits used in common by multiple customers from the tandem to an end office. The Tandem-Switched Transport Rate includes four subelements, a Tandem-Switched Transport - Facility, a Tandem-Switched Transport - Termination, a Tandem Switching Rate and Shared Multiplexing Rate. The Tandem Switching Rate is not applicable for transport between a host end office and a remote end office or to FGA or BSA-A Transport. For Tandem-Switched Transport, a Shared Multiplexing rate will be assessed on all access minutes that traverse a common trunk group from the Telephone Company access tandem to an end office. Tandem-Switched Transport is further described in 4.2.3(D).

Pursuant to FCC 20-143, released October 9, 2020, tandem switching and transport for originating 800 traffic will be charged via a single usage sensitive Joint Tandem Switched Transport Access Service rate applied per access minute.

(N)  
|  
(N)

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.3 **Description of Switched Transport** (Cont'd)

(A) **General** (Cont'd)

(1) (Cont'd)

The Shared Trunk Port provides for the termination of a Tandem-Switched Trunk at an end office. The Shared Trunk Port is usage rated and shall be assessed to all access minutes which utilize Tandem-Switched Transport. This includes minutes of use associated with FGA service when traffic is terminated in an end office that is not the dial tone office and on minutes of use provided at a remote office.

The Shared Trunk Port charge does not apply to the switched access minutes of use that originate or terminate at MTSOs directly interconnected to a Telephone Company access tandem.

When the Tandem-Switched Transport is provided by more than one telephone company, the Shared Trunk Port charge shall be billed by the Telephone Company in whose territory the end office is located, as in 2.7.3(G).

The Interconnection Rate is assessed upon all customers for interconnecting with the Telephone Company's switched access network. The Interconnection Rate is further described in 4.2.3(E).

The application of the Switched Transport rates and the determination of mileage measurements for Switched Transport is in 4.5.2.

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4. **SWITCHED ACCESS (Cont'd)**

4.2 **Description of Switched Access (Cont'd)**

4.2.3 **Description of Switched Transport (Cont'd)**

(A) **General (Cont'd)**

- (2) Switched Transport facilities provide two-way voice frequency transmission paths which permits the transport of calls in the originating direction (from the end office switch to the CDL), and in the terminating direction (from the CDL 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 the human voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hz. Direct-Trunked Transport and Entrance Facilities are composed of facilities as ordered by the customer.

Switched Transport facilities will be engineered and routed based on standard engineering methods, available facilities and equipment, Telephone Company traffic routing and the customer's order for service.

The Telephone Company will work cooperatively with the customer in determining (1) service to be routed directly to an end office switch or via an access tandem switch and (2) the directionality of the service.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.3 **Description of Switched Transport** (Cont'd)

(A) **General** (Cont'd)

- (3) For Tandem-Switched Transport the number of Switched Transport transmission paths provided between an end office switch and an access tandem are determined by the Telephone Company using standard traffic engineering methods. The number of Switched Transport transmission paths provided between the access tandem and serving wire center of the CDL is determined by the customer's order. If ordered in BHMC, the Telephone Company will determine the number of trunks, using standard traffic engineering methods. When Direct-Trunked Transport is ordered directly to an access tandem, facilities between the serving wire center of the CDL and the access tandem will be determined by the customer's order.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.3 **Description of Switched Transport** (Cont'd)

(B) **Entrance Facilities**

The Entrance Facility provides the transmission path and the interface between the Telephone Company's serving wire center and customer provided facilities at the point of termination at the CDL.

Switched Access is provided in a number of separate Entrance Facilities. Each Entrance Facility provides a specified facility interface (e.g., two-wire, four-wire, DS1, etc.). Provision of the Interface Arrangements and any Optional Arrangements may require placement of Telephone Company equipment [e.g., supervisory signaling equipment as described in 4.2.3(G)] on the customer's premises.

Where transmission facilities permit, the individual transmission paths between the point of termination and the first point of switching may, at the option of the customer, be provided with Optional Arrangements as in (G).

The following Standard Entrance Facilities are available:

Two-Wire VF  
Four-Wire VF  
Group Analog (existing customers only)  
Supergroup Analog (existing customers only)  
Mastergroup Analog (existing customers only)  
DS1 Digital  
DS1C Digital (existing customers only)  
DS3 Digital  
DS3C Digital (existing customers only)

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.3 **Description of Switched Transport** (Cont'd)

(B) **Entrance Facilities** (Cont'd)

In lieu of an Entrance Facility, Switched Access may be interconnected with a customer's transmission facilities in accordance with Section 17.

The number of Entrance Facilities is determined by the customer's order for service.

(1) Two-Wire Voice Frequency Entrance Facility

- (a) The Two-Wire Voice Frequency Entrance Facility, except as in (b), provides two-wire voice frequency transmission at the point of termination at the CDL. The interface is capable of transmission signals within the frequency bandwidth of approximately 300 to 3000 Hz.
- (b) The Two-Wire interface is not provided in association with FGC, FGD, BSA-C and BSA-D when the first point of switching is an access tandem. In addition, the two-wire interface is not provided in association with FGB and BSA-B when the first point of switching is an access tandem where two-wire terminations are not provided.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.3 **Description of Switched Transport** (Cont'd)

(B) **Entrance Facilities** (Cont'd)

(1) **Two-Wire Voice Frequency Entrance Facility** (Cont'd)

- (c) The transmission path between the point of termination at the CDL and the serving wire center may be comprised of any form or configuration of plant capable of and typically used in the telecommunications industry for the transmission of the human voice and associated telephone signals within the frequency bandwidth of 300 to 3000 Hz.
- (d) The Two-Wire interface is provided with loop supervisory signaling. When the interface is associated with FGA or BSA-A, such signaling may be loop start or ground start. When the interface is associated with FGB, FGC, FGD, BSA-B, BSA-C and BSA-D such signaling, except for two-way calling, may be reverse battery signaling. The interface may, at the option of the customer, be provided with DX supervisory signaling or E&M supervisory signaling as in 4.2.3(G).

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.3 **Description of Switched Transport** (Cont'd)

(B) **Entrance Facilities** (Cont'd)

(2) **Four-Wire Voice Frequency Entrance Facility**

- (a) The Four-Wire Voice Frequency Entrance Facility provides four-wire voice frequency transmission at the point of termination at the CDL. The interface is capable of transmission of the human voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hz.
- (b) The transmission path between the point of termination at the CDL and the serving wire center may be comprised of any form or configuration of plant capable of and typically used in the telecommunications industry for the transmission of the human voice and associated telephone signals within the frequency bandwidth of 300 to 3000 Hz.
- (c) The interface is provided with loop supervisory signaling. When the interface is associated with FGA or BSA-A, such signaling may be loop start or ground start signaling. When the interface is associated with FGB, FGC, FGD, BSA-B, BSA-C and BSA-D such signaling, except for two-way calling, may be reverse battery signaling. The interface may, at the option of the customer, be provided with supervisory signaling as in 4.2.3(G).

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4. **SWITCHED ACCESS (Cont'd)**

4.2 **Description of Switched Access (Cont'd)**

4.2.3 **Description of Switched Transport (Cont'd)**

(B) **Entrance Facilities (Cont'd)**

(3) **Group Analog Entrance Facility**

- (a) The Group Analog Entrance Facility provides a group level analog transmission at the point of termination at the CDL. The interface is capable of transmitting electrical signals between the frequencies of 60 to 108 kHz, with the capability to multiplex up to 12 voice frequency transmission paths.

Between the serving wire center and the point of termination at the CDL, the Telephone Company may, at its option, provide multiplex equipment to derive 12 transmission paths of frequency bandwidth of approximately 300 to 3000 Hz.

- (b) The interface is provided with individual transmission path supervisory signaling.
- (c) The Group Analog Entrance Facility is obsolete technology and is available only to existing customers as of December 30, 1993.

4. SWITCHED ACCESS (Cont'd)

4.2 Description of Switched Access (Cont'd)

4.2.3 Description of Switched Transport (Cont'd)

(B) Entrance Facilities (Cont'd)

(4) Supergroup Analog Entrance Facility

- (a) The Supergroup Analog Entrance Facility provides supergroup level analog transmission at the point of termination at the CDL. The interface is capable of transmitting electrical signals between the frequencies of 312 to 552 kHz, with the capability to multiplex up to 60 voice frequency transmission paths.

Between the serving wire center and the point of termination the Telephone Company may, at its option, provide multiplex equipment to derive 60 transmission paths of frequency bandwidth of approximately 300 to 3000 Hz to promote transmission efficiency, if required.

- (b) The interface is provided with individual transmission path SF supervisory signaling.
- (c) The Supergroup Analog Entrance Facility is obsolete technology and is available only to existing customers as of December 30, 1993.

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4. SWITCHED ACCESS (Cont'd)

4.2 Description of Switched Access (Cont'd)

4.2.3 Description of Switched Transport (Cont'd)

(B) Entrance Facilities (Cont'd)

(5) Mastergroup Analog Entrance Facility

- (a) The Mastergroup Analog Entrance Facility provides mastergroup level analog transmission at the point of termination at the CDL subject to the limitations in 3.5. The interface is capable of transmitting electrical signals between the frequencies of 564 to 3084 kHz, with the capability to multiplex up to 600 voice frequency transmission paths.

Between the serving wire center and the point of termination at the CDL, the Telephone Company may, at its option, provide multiplex equipment to derive 600 transmission paths of frequency bandwidth of approximately 300 to 3000 Hz to promote transmission efficiency, if required.

- (b) The interface is provided with individual transmission path SF supervisory signaling.
- (c) The Mastergroup Analog Entrance Facility is obsolete technology and is available only to existing customers as of December 30, 1993.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.3 **Description of Switched Transport** (Cont'd)

(B) **Entrance Facilities** (Cont'd)

(6) **DS1 Digital Entrance Facility**

- (a) The DS1 Digital Entrance Facility provides DS1 level digital transmission at the point of termination at the CDL. The interface is capable of transmitting electrical signals at 1.544 Mbps, with the capability to multiplex up to 24 voice frequency transmission paths.

Between the first point of switching and the point of termination at the CDL, when analog switching utilizing analog terminations is provided, the Telephone Company may, at its option, provide multiplex equipment to derive 24 transmission paths of frequency bandwidth of approximately 300 to 3000 Hz. When digital switching or analog switching with digital carrier terminations is provided, the Telephone Company will provide, at the first point of switching, DS1 signals in D4 or D3 format.

- (b) The interface is provided with individual transmission path bit stream supervisory signaling.

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**4. SWITCHED ACCESS (Cont'd)****4.2 Description of Switched Access (Cont'd)****4.2.3 Description of Switched Transport (Cont'd)****(B) Entrance Facilities (Cont'd)****(7) DS1C Digital Entrance Facility**

- (a) The DS1C Digital Entrance Facility provides a DS1C level digital transmission at the point of termination at the CDL subject to the limitations in 3.5. The interface is capable of transmitting electrical signals at 3.152 Mbps, with the capability to multiplex up to 48 voice frequency transmission paths.

Between the first point of switching and the point of termination, when analog switching utilizing analog terminations is provided, the Telephone Company may, at its option, provide multiplex equipment to derive up to 48 voice frequency transmission paths of frequency bandwidth of approximately 300 to 3000 Hz. When digital switching or analog switching with digital carrier terminations is provided, the Telephone Company will provide, at the customer's request, at the first point of switching, DS1 signals in D4 or D3 format.

- (b) The interface is provided with individual transmission path bit stream supervisory signaling.
- (c) As of December 30, 1993, the DS1C Digital Entrance Facility is available to existing customers only.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.3 **Description of Switched Transport** (Cont'd)

(B) **Entrance Facilities** (Cont'd)

(8) **DS2 Digital Entrance Facility**

The Telephone Company currently does not offer the DS2 Entrance Facility.

(9) **DS3 Digital Entrance Facility**

- (a) The DS3 Digital Entrance Facility provides, on a protected basis, a DS3 level digital transmission at the point of termination at the CDL. The interface is capable of transmitting electrical signals at 44.736 Mbps, with the capability to multiplex up to 672 voice frequency transmission paths.

Between the first point of switching and the point of termination at the CDL, when analog switching utilizing analog terminations is provided, the Telephone Company may, at its option, provide multiplex equipment to derive up to 672 voice frequency transmission paths of frequency bandwidth of approximately 300 to 3000 Hz. When digital switching or analog switching with digital carrier terminations is provided, the Telephone Company will provide, at the customer's request, at the first point of switching, DS1 signals in D4 or D3 format.

- (b) The interface is provided with individual transmission path bit stream supervisory signaling.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.3 **Description of Switched Transport** (Cont'd)

(B) **Entrance Facilities** (Cont'd)

(9) (Cont'd)

- (c) To insure compatibility of transmission, the utilization of the same manufacturer's equipment (end-to-end) may be required. The Telephone Company reserves the right to choose this equipment.



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**4. SWITCHED ACCESS (Cont'd)****4.2 Description of Switched Access (Cont'd)****4.2.3 Description of Switched Transport (Cont'd)****(B) Entrance Facilities (Cont'd)****(10) DS3C Digital Entrance Facility**

- (a) The DS3C Digital Entrance Facility provides a DS3C level digital transmission at the point of termination at the CDL. The interface is capable of transmitting electrical signals at 89.472 Mbps, with the capability to multiplex up to 1344 voice frequency transmission paths.

Between the first point of switching and the point of termination at the CDL, when analog switching utilizing analog terminations is provided, the Telephone Company may, at its option, provide multiplex equipment to derive up to 1344 voice frequency transmission paths of frequency bandwidth of approximately 300 to 3000 Hz. When digital switching or analog switching with digital carrier terminations is provided, the Telephone Company will provide, at the customer's request, at the first point of switching, DS1 signals in D4 or D3 format.

- (b) The interface is provided with individual transmission path bit stream supervisory signaling.
- (c) To insure compatibility of transmission, the utilization of the same manufacturer's equipment (end-to-end) may be required. The Telephone Company reserves the right to choose this equipment.
- (d) As of December 30, 1993, the DS3C Entrance Facility is available to existing customers only.

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4. **SWITCHED ACCESS (Cont'd)**

4.2 **Description of Switched Access (Cont'd)**

4.2.3 **Description of Switched Transport (Cont'd)**

(C) **Direct-Trunked Transport**

The Direct-Trunked Transport Rate is assessed upon customers for the use of Voiceband, DS1 or DS3 high capacity transport dedicated to a customer from a serving wire center to an end office (including host end offices) or from a serving wire center to a Telephone Company access tandem. Direct-Trunked Transport also provides for the transmission facilities between:

- a serving wire center and a Telephone Company Hub other than the serving wire center where multiplexing is performed,
- a serving wire center or access tandem and a Telephone Company Hub office other than the serving wire center where multiplexing is performed,
- a serving wire center and a Directory Assistance Center where Directory Assistance services are provided as described in Section 8 of this Tariff,
- between an EIS Cross Connect Arrangement located in a Telephone Company wire center and a different serving wire center, end office or Telephone Company access tandem,
- and a serving wire center and end office where Tandem Switch Signaling is provided as described in 4.2.5(AE) and 4.2.21.

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4. **SWITCHED ACCESS (Cont'd)**

4.2 **Description of Switched Access (Cont'd)**

4.2.3 **Description of Switched Transport (Cont'd)**

(C) **Direct-Trunked Transport (Cont'd)**

The Direct-Trunked Transport Rate is flat-rated and has both distance-sensitive and non-distance sensitive components. The distance-sensitive mileage recovers costs of the transmission facilities between the end points of the circuit. There are two non-distance sensitive components; the termination which recovers costs of circuit equipment at the ends of the transmission links, and the trunk port component which recovers costs of the trunk ports. A Dedicated Trunk Port charge shall be assessed on a per voicegrade or DS1 channel terminating at an end office or access tandem. Direct-Trunked Transport is not provided at Telephone Company end offices that are not capable of measuring switched access minutes of use. These end offices are specified in NECA Tariff FCC No. 4.

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4. **SWITCHED ACCESS (Cont'd)**

4.2 **Description of Switched Access (Cont'd)**

4.2.3 **Description of Switched Transport (Cont'd)**

The Tandem-Switched Transport Rate is assessed upon customers for the use of transport from a serving wire center to an end office that is switched at a Telephone Company access tandem. The Tandem-Switched Transport rate shall also be assessed for transport between an access tandem and end office, between a host end office and a remote end office and between a FGA dial tone office and other end offices in the local calling area. Tandem-Switched Transport consists of circuits used in common by multiple customers from the tandem to an end office. When Tandem Switched Transport to a terminating carrier's end office, and not an end office owned by a Frontier Telephone ILEC Company, the Terminating Tandem 3<sup>rd</sup> Party and Dedicated Trunk Port rates are applicable. The Tandem-Switched Transport Rate includes four sub-elements, a Tandem-Switched Transport - Facility, a Tandem-Switched Transport - Termination, a Tandem Switching Rate and Shared Multiplexing Rate. The Tandem-Switched Transport - Facility is usage rated and distance-sensitive, i.e., a per access minute per airline mile rate. The rate recovers costs of the transmission facilities, including intermediate transmission circuit equipment, between the end points of the circuit. The Tandem-Switched Transport - Termination is a usage rated, per minute rate to recover costs incurred at the ends of the transmissions links. The Tandem Switching Rate is a usage rated, per minute rate to recover a portion of the tandem switching costs. The Tandem Switching Rate is not applicable for transport between a host end office and a remote end office or to FGA transport. For Tandem-Switched Transport, a Shared Multiplexing Rate will be assessed to all minutes of use from the Telephone Company Access Tandem to an end office. The Shared Multiplexing rate recovers multiplexing costs on the end office side of the tandem.

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4. **SWITCHED ACCESS (Cont'd)**

4.2 **Description of Switched Access (Cont'd)**

4.2.3 **Description of Switched Transport (Cont'd)**

(E) Interconnection Rate

The Interconnection Rate is assessed upon all customers for interconnecting with the Telephone Company's switched access network. The Interconnection Rate has two rate levels. One rate applies to Customers utilizing Telephone Company transport and a different rate is applicable to Switched Access EIS Cross Connect arrangements. It is a usage rated per minute rate and applies to all originating and terminating minutes of use whether transported via Direct-Trunked Transport, Tandem-Switched Transport, Entrance Facilities, or Switched Access EIS Cross Connect Arrangements. The Interconnection Rate does not apply to switched access minutes of use that originate or terminate at MTSOs directly interconnected to a Telephone Company access tandem office.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.3 **Description of Switched Transport** (Cont'd)

(E) **Interconnection Rate** (Cont'd)

The application of originating and terminating rates is as set forth below:

(a) Terminating per minutes charge(s) apply to:

- all terminating access minutes of use.
- all originating access minutes of use associated with FGA or BSA-A Access Services where the off-hook supervisory signaling is forwarded by the Customer's equipment when the called party answers.
- all originating access minutes of use associated with calls placed to Service Access Code numbers, less those originating access minutes of use associated with calls placed to 500, 700, 800, 877, 888 and 900 numbers for which the customer furnishes a report of either the number of minutes or a report of the percent of minutes that terminate to a subscriber or common line, rather than a dedicated access line.

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4. SWITCHED ACCESS (Cont'd)

4.2 Description of Switched Access (Cont'd)

4.2.3 Description of Switched Transport (Cont'd)

(E) Interconnection Rate (Cont'd)

(b) Originating per minute charge(s) apply to:

- all originating access minutes of use.
- less those originating access minutes of use associated with FGA or BSA-A Access Services where the off-hook supervisory signaling is forwarded by the Customer's equipment when the called party answers.
- less all originating access minutes of use associated with calls placed to Service Access Code numbers.
- plus all originating access minutes of use associated with calls placed to 500, 700, 800, 877, 888 and 900 numbers for which the customer furnishes a report of either the number of minutes or a report of the percent of minutes that terminate to a subscriber or common line, and for which a corresponding reduction in the number of terminating access minutes of use has been made as set forth in (a).

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**4. SWITCHED ACCESS (Cont'd)****4.2 Description of Switched Access (Cont'd)****4.2.3 Description of Switched Transport (Cont'd)****(F) Multiplexing**

Multiplexing provides for arrangements to convert a single higher capacity or bandwidth circuit for bulk transportation to several lower capacity or bandwidth circuits. Monthly rates and nonrecurring charges for multiplexing apply as follows:

- The DS3/DS1 Multiplexing Charge applies to all DS3 and DS1 multiplexing arrangements.
- The DS1/Voice Multiplexing Charge applies to all DS1 Entrance Facility and Direct-Trunked Transport circuits that terminate in an analog office and where the multiplexer performs DS1/Voice multiplexing functions
- A Multiplexing Charge will always apply when FGA is provisioned on a Switched DS1 and on High Capacity shared use switched and special access facilities.

Listed below are the multiplexing arrangements offered with switched access.

**DS1 to Voice**

An arrangement that multiplexes twenty-four voice grade circuits to a single DS1 digital circuit at a rate of 1.544 Mbps, or multiplexes a single DS1 digital circuit at a rate of 1.544 Mbps to twenty-four voice grade circuits.

**DS3 to DS1**

An arrangement that multiplexes twenty-eight DS1 digital circuits to a single DS3 digital circuit at a rate of 44.736 Mbps, or multiplexes a single DS3 digital circuit at a rate of 44.736 Mbps to twenty-eight DS1 digital circuits.

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4. **SWITCHED ACCESS (Cont'd)**

4.2 **Description of Switched Access (Cont'd)**

4.2.3 **Description of Switched Transport (Cont'd)**

(G) **Optional Arrangements**

- (1) The Telephone Company will provide Optional Arrangements in association with the Entrance Facilities listed in 4.2.3(B)(1) and (2). The provision of such Optional Arrangements may require placement of Telephone Company equipment on the customer's premises. These Optional Arrangements are nonchargeable.

**Supervisory Signaling**

A supervisory signaling capability is provided for each Interface Arrangement as listed in 4.2.3(B)(1) and (2). Where the transmission parameters permit and where signaling conversion is required by the customer to meet his signaling capability, the customer may order a supervisory signaling arrangement for each transmission path provided as follows:

For Interface Arrangements (1) and (2)

DX Supervisory Signaling arrangement, or  
E&M Type I Supervisory Signaling  
arrangement, or  
E&M Type II Supervisory Signaling  
arrangement.

For Interface Arrangement (2)

SF Supervisory Signaling arrangement, or  
E&M Type III Supervisory Signaling  
arrangement.

These optional supervisory signaling arrangements are unavailable in conjunction with Signaling System 7 (SS7) Out of Band Signaling as described in 4.2.5(AA).

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**4. SWITCHED ACCESS (Cont'd)****4.2 Description of Switched Access (Cont'd)****4.2.4 Description of End Office Services**

End Office Services provide the end user termination functions and end office switching necessary to complete the transmission of Switched Access communications to and from the end users served by the end office. Standard Arrangements for End Office Services includes the End Office Switching rate element. End Office Services Optional Arrangements are available as defined in 4.2.5.

End Office Services are provided in association with Switched Transport when ordered as set forth in Section 3. End Office Services will be provided as one of the following types: FGA, FGB, FGC, FGD, BSA-A, BSA-B, BSA-C, BSA-D and SAC Access Service.

The number of End Office Service transmission paths and line terminations provided will be determined by the Telephone Company based on standard traffic engineering methods.

End Office Switching provides the following:

- The facilities to terminate end user Common Lines in end office switches or Special Access Lines in WATS Serving Offices.
- The end office switching functions necessary to complete a Switched Access Communication to or from end user Common Lines or Special Access Lines served by the end office.
- The termination of a call at a Telephone Company intercept operator or recording. The operator or recording tells a caller why a call, as dialed, could not be completed, and if possible, provides the correct number.

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4. **SWITCHED ACCESS (Cont'd)**

4.2 **Description of Switched Access (Cont'd)**

4.2.4 **Description of End Office Services (Cont'd)**

End Office Switching is divided into two categories; End Office Switching - Bundled (EOSB), and End Office Switching - Unbundled (EOSU). Application of the charges is in 4.5.2 and the rates for End Office Switching are in 4.6.3.

End Office Switching is not provided in conjunction with switched access minutes of use that originate or terminate at a Mobile Telephone Switching Office (MTS) directly interconnected to a Telephone Company access tandem office.

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4. SWITCHED ACCESS (Cont'd)

4.2 Description of Switched Access (Cont'd)

4.2.5 End Office Services Optional Arrangements

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

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

(A) Alternate Traffic Routing

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

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

This option is provided in suitably equipped end office or Telephone Company access tandem switches and is available with FGB, FGC and FGD.

This option is available with BSA-B, BSA-C and BSA-D as a chargeable BSE as specified in 4.2.23 and 4.5.10.

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4. **SWITCHED ACCESS (Cont'd)**

4.2 **Description of Switched Access (Cont'd)**

4.2.5 **End Office Services Optional Arrangements (Cont'd)**

(B) **Automatic Number Identification (ANI) Arrangement**

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

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

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

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

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

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4. **SWITCHED ACCESS (Cont'd)**

4.2 **Description of Switched Access (Cont'd)**

4.2.5 **End Office Services Optional Arrangements (Cont'd)**

(B) **Automatic Number Identification (ANI) Arrangement (Cont'd)**

The seven digit ANI telephone number is available with FGB and FGC. It will be transmitted on all calls except those identified as an ANI failure. The ten digit ANI telephone number is only available with FGD. When FGD with SS7 Out of Band Signaling is specified, the customer may order an ANI equivalent by ordering the Charge Number optional feature as described in 4.2.5(AD). The ten digit ANI telephone number consists of the Numbering Plan Area (NPA) plus the seven digit ANI telephone number. The ten digit ANI telephone number will be transmitted on all calls except those identified as an ANI failure in which case only the NPA will be transmitted (in addition to the information digit described below). The ANI telephone number is the listed telephone number of the end user that originates the call.

With FGC, ANI is provided from end offices at which the Telephone Company recording for end user billing is not provided, or where it is not required, as with 800 Service. It is not provided from end offices for which the Telephone Company needs to forward ANI to its recording equipment.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.5 **End Office Services Optional Arrangements** (Cont'd)

(B) **Automatic Number Identification (ANI) Arrangement** (Cont'd)

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

- (1) Telephone number is the station billing number - no special treatment is required.
- (2) (Reserved for Future Use)
- (3) ANI failure has occurred in the end office switch which prevents identification of calling telephone number - number must be obtained by operator or in some other manner.
- (4) (Reserved for Future Use)
- (5) The configuration of the line requires special screening or handling by the customer, or
- (6) Call is an Automatic Identified Outward Dialed (AIOD) call from end user terminal equipment.

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4. **SWITCHED ACCESS (Cont'd)**

4.2 **Description of Switched Access (Cont'd)**

4.2.5 **End Office Services Optional Arrangements (Cont'd)**

(B) **Automatic Number Identification (ANI) Arrangement (Cont'd)**

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

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

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

The ANI Arrangement is available with BSA-B, BSA-C and BSA-D as a chargeable BSE as specified in 4.2.23 and 4.5.10.

(C) **IntraAccess Area Call Denial on Line or Hunt Group**

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

- (1) Screening of terminating calls for completion to only 411, 611, 911, 555-1212, and all valid NXXs associated with the end offices within the LATA, i.e., the call cannot be further switched or routed out of the LATA.
- (2) Screening of terminating calls within the FGA or BSA-A Access Area for completion to only 411, 611, 911, 800, 877, 888, 555-1212, and a Telephone Company specified set of NXXs within the Telephone Company local exchange calling area of the dial tone office in which the arrangement is provided.

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**4. SWITCHED ACCESS (Cont'd)****4.2 Description of Switched Access (Cont'd)****4.2.5 End Office Services Optional Arrangements (Cont'd)****(C) IntraAccess Area Call Denial on Line or Hunt Group (Cont'd)**

All other calls are routed to a reorder tone or recorded announcement. Arrangement 1 is provided where available. Arrangement 2 is provided in all Telephone Company electronic end offices and, where available, in electromechanical end offices. These options are available with FGA or BSA-A.

**(D) InterMSA Call Denial on Line or Hunt Group**

This option allows for the screening of terminating calls and for completion only of calls within the MSA. All other calls are routed to an appropriate access announcement. Specifically, this option would block terminating calls to the following:

- InterMSA, dialed as either 7D, 10D, 1+7D, 1+10D, 950-XXXX, 101XXXX+7D, or 101XXXX+10D.
- Service Access Codes (500, 700, 800, 877, 888 and 900).
- International, dialed as either 011 or 01.
- Operator, dialed as either 0+, 0- or 00.

This arrangement is provided in Telephone Company end offices, where available. It is available with FGA or BSA-A at rates and charges in Section 4.5.2. Blocking of the 800/877/888 Service Access Code may not be available in all end offices where this arrangement is otherwise available.

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**4. SWITCHED ACCESS (Cont'd)****4.2 Description of Switched Access (Cont'd)****4.2.5 End Office Services Optional Arrangements (Cont'd)****(E) Call Denial on Line or Hunt Group Outside the Access Area**

This option allows for the screening of terminating calls and for completion only of calls within the Access Area. All other calls are routed to an appropriate access announcement. Specifically, this option would block terminating calls to the following:

- Outside the Access Area, dialed as either 7D, 10D, 1+7D, 1+10D, 950-XXXX, 101XXXX+7D, or 101XXXX+10D.
- Service Access Codes (500, 700, 800, 877, 888 and 900).
- International, dialed as either 011 or 01.
- Operator, dialed as either 0+, 0- or 00.

This arrangement is provided in Telephone Company end offices, where available. It is available with FGA or BSA-A at rates and charges in Section 4.5.2(B). Blocking of the 800/887/888 Service Access Code may not be available in all end offices where this arrangement is otherwise available.

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**4. SWITCHED ACCESS (Cont'd)****4.2 Description of Switched Access (Cont'd)****4.2.5 End Office Services Optional Arrangements (Cont'd)****(F) Dual Tone Multifrequency Address Signaling**

This option allows reception of called party address signals from the customer in the form of Dual Tone Multifrequency (DTMF) signals. It is provided in all Telephone Company end offices where available. When FGA or BSA-A arrangements are provided as part of a hunt group or uniform call distribution group, and the customer requires DTMF address signaling, then all arrangements in the hunt group or uniform call distribution group will be so equipped. It is available with FGA or BSA-A.

**(G) Hunt Group Arrangement**

The Hunt Group Arrangement is available with FGA as a nonchargeable option. This feature is available with BSA-A as a chargeable BSE as specified in 4.2.23 and 4.5.10.

- (1) This option provides the ability to sequentially access one of two or more line side connections in the originating direction, when the access code of the line group is dialed. This arrangement contemplates one access code (i.e., telephone number) per arrangement.
- (2) This option provides the ability to sequentially access one of two or more lines in the terminating direction, when the hunting number of the line group is forwarded from the customer to the Telephone Company.

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

This option allows the customer to specify the directionality of the trunk group (i.e., originating, terminating, or two-way) in lieu of Telephone Company specification. It is available with all Feature Groups and Basic Serving Arrangements. Rates and charges will be developed on an Individual Case Basis.

**(I) International Direct Distance Dialing Arrangement**

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

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

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

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

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

**(L) Operator Assistance Full Feature Arrangement**

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

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**4. SWITCHED ACCESS (Cont'd)****4.2 Description of Switched Access (Cont'd)****4.2.5 End Office Services Optional Arrangements (Cont'd)****(M) Rotary Dial Station Signaling**

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

**(N) Service Class Routing**

This option provides the capability of directing originating traffic from an end office to a CDL, based on the service prefix code (e.g., 0+ or 01+) or service class code (e.g., 500, 600, 700, 800, 877, 888 or 900). It is provided in suitably equipped end office or access tandem switches and is available with FGC, FGD, BSA-C and BSA-D. Originating 500-NXX-XXXX calls are routed in accordance with the 500 Customer Identification Function as described in 4.2.20. Originating 800-NXX-XXXX, 877-NXX-XXXX or 888-NXX-XXXX calls are routed in accordance with the 800/877/888 Customer Identification Function as described in 4.2.11.

**(O) Service Code Denial on Line or Hunt Group**

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

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

This option, where available, provides for the routing of originating 900 or 900-like Service calls to a specified number of transmission paths in a trunk group, in order to limit (choke) the completion of such traffic to a customer. Calls to the designated service which could not be completed over the subset of transmission paths in the trunk group (i.e., the choked calls) would be routed to reorder tone. It is available with FGC, FGD, BSA-C and BSA-D.

**(Q) Uniform Call Distribution Arrangement**

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

Uniform Call Distribution is available with BSA-A as a chargeable BSE as specified in 4.2.23 and 4.5.10.

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

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

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4. **SWITCHED ACCESS (Cont'd)**

4.2 **Description of Switched Access (Cont'd)**

4.2.5 **End Office Services Optional Arrangements (Cont'd)**

(S) **Band Advance Arrangement**

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



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**4. SWITCHED ACCESS (Cont'd)****4.2 Description of Switched Access (Cont'd)****4.2.5 End Office Services Optional Arrangements (Cont'd)****(T) FGD and BSA-D Switched Access with 950-XXXX Access**

FGD or BSA-D Switched Access with 950-XXXX Access is a optional arrangement that provides for the routing of originating calls using a customer's 950-XXXX access code(s) to the customer over the customer's FGD or BSA-D trunks. All such calls with be rated as FGD or BSA-D Switched Access calls.

This optional arrangement, available where technically feasible in equal access end offices, uses FGD or BSA-D signaling protocols and technical specifications. The 950-XXXX traffic can be routed over FGD or BSA-D trunks combined with the customer's standard FGD or BSA-D traffic directly to the CDL or through a Telephone Company access tandem to the CDL. The customer must be able to differentiate standard FGD or BSA-D calls from 950-XXXX calls delivered over the same FGD or BSA-D trunks. FGD or BSA-D Switched Access with 950-XXXX Access is not available with certain Telephone Company access tandem switches when the signaling from an end office to the Telephone Company access tandem is multifrequency address signaling and the signaling from the Telephone Company access tandem to the CDL is SS7 Out of Band signaling. The customer may not have originating FGD or BSA-D Switched Access with 950-XXXX Access and originating FGB or BSA-B Switched Access in the same end office utilizing the same 950-XXXX Customer Identification Code.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.5 **End Office Services Optional Arrangements** (Cont'd)

(U) Operator Assistance for SAC Access Service

This option provides for operator completion of N00-NXX-XXXX type calls which are generated by an end user by dialing 0-. This option is available with SAC Access Service and with FGC, FGD, BSA-C and BSA-D which are used in conjunction with SAC Access Service.

(V) Switched Access Interface

This arrangement provides the line switching and supervisory functions necessary to interface Voice Grade Special Access and Switched Access Services together for the provision of customer WATS and WATS-Type service. This service provides a transmission path capable of originating and/or terminating the customer's intrastate and combined interstate/intrastate traffic.

This arrangement is only available from Telephone Company designated end offices which are identified as WATS Serving Offices (WSO) in NECA Tariff FCC No. 4. Technical limitations resident in certain end office switches may preclude the availability of certain Switched Access Interface features. Depending on the configuration selected below, the Telephone Company will provide such services from the closest WSO that is technically equipped to provide such services. Special Access Transport charges as described in Section 5 of this Tariff will be applicable to the WATS Serving Office appropriately equipped for the service feature requested.

4. **SWITCHED ACCESS (Cont'd)**

4.2 **Description of Switched Access (Cont'd)**

4.2.5 **End Office Services Optional Arrangements (Cont'd)**

(V) **Switched Access Interface (Cont'd)**

The Switched Access portion of this arrangement is available from Section 4 of this tariff, except as set forth in (5) following, and provides connectivity from the Telephone Company's WATS Serving Office to the CDL of the customer. The Special Access portion of this feature is available from Section 5 of this tariff and provides connectivity from the Telephone Company's WATS Serving Office to the end user's CDL.

Switched Access Interface Service is available in the following configurations/features:

(1) **Originating Only Feature**

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

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.5 **End Office Services Optional Arrangements** (Cont'd)

(V) **Switched Access Interface** (Cont'd)

(1) **Originating Only Feature** (Cont'd)

(a) **Restricted Geographic Screening Arrangement -  
Originating Only**

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

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

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.5 **End Office Services Optional Arrangements** (Cont'd)

(V) **Switched Access Interface** (Cont'd)

(1) **Originating Only Feature** (Cont'd)

(a) **Restricted Geographic Screening Arrangement - Originating Only** (Cont'd)

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

- the transporting of all interstate 1+NPA/NXX-XXXX and 1+FNPA-555-1212 calls to Directory Numbers that are associated with a customer selected geographic band to the customer;
- The blocking of all 1+NPA-NXX-XXXX and 1+FNPA-NXX-XXXX calls directed to Directory Numbers that do not lie within the geographic band selected by the customer;
- The blocking of all 1+500-NXX-XXXX, 0+500-NXX-XXXX, 1+700-NXX-XXXX, 1+800-NXX-XXXX, 1+877-NXX-XXXX, 1+888-NXX-XXXX and 1+900-NXX-XXXX calls;

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.5 **End Office Services Optional Arrangements** (Cont'd)

(V) **Switched Access Interface** (Cont'd)

(1) **Originating Only Feature** (Cont'd)

(a) **Restricted Geographic Screening Arrangement -  
Originating Only** (Cont'd)

- the blocking of all 0+NPA-NXX-XXXX calls;
- the transporting of all calls originated by dialing 0 (zero) to the Telephone Company operator;
- the transporting of all calls originated by dialing 00 (Zero, Zero) to the IC customer (available only with FGD and BSA-D);
- the blocking of all international calls preceded by the access codes 01 and 011; and
- the blocking of all calls preceded by the access code 101XXXX.

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

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

- 1+NPA-NXX-XXXX, 1+700-NXX-XXXX, and 1+FNPA-555-1212 calls to the IC customer;
- 1+800-NXX-XXXX, 1+877-NXX-XXXX or 1+888-NXX-XXXX calls to the carrier in accordance with the 800/877/888 Customer Identification Function described in 4.2.11;

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.5 **End Office Services Optional Arrangements** (Cont'd)

(V) **Switched Access Interface** (Cont'd)

(1) **Originating Only Feature** (Cont'd)

(b) **Unrestricted Arrangement - Originating Only** (Cont'd)

- 1+900-NXX-XXXX calls to the carrier designated by the digits dialed;
- 1+500-NXX-XXXX or 0+500-NXX-XXXX calls to the carrier in accordance with the 500 Customer Identification Function described in 4.2.20;
- 0+NPA-NXX-XXXX calls to the IC customer;
- calls originated by dialing 0 (zero) to the Telephone Company operator;
- calls originated by dialing 00 (Zero, Zero) to the IC customer (available only with FGD);
- calls originated by dialing 01 or 011 to the IC customer; and
- 1+ or 0 (zero)+ NPA-NXX-XXXX calls preceded by the access code 101XXXX to the carrier designated by the dialed digits (available only with FGD or BSA-D).

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4. SWITCHED ACCESS (Cont'd)

4.2 Description of Switched Access (Cont'd)

4.2.5 End Office Services Optional Arrangements (Cont'd)

(V) Switched Access Interface (Cont'd)

(1) Originating Only Feature (Cont'd)

(b) Unrestricted Arrangement - Originating Only (Cont'd)

Optional Access Code Arrangements

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

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4. SWITCHED ACCESS (Cont'd)

4.2 Description of Switched Access (Cont'd)

4.2.5 End Office Services Optional Arrangements (Cont'd)

(V) Switched Access Interface (Cont'd)

(2) 800/877/888 Type Terminating Only Feature

The 800/877/888 Type Terminating Only feature is available on a per-line basis from appropriately equipped WATS Serving Offices and provides for the termination of all calls from the subscribing carrier (originated on a 1+800, 1+877 and 1+888 basis) directed to the Special Access via FGA, FGB, FGC, FGD, BSA-A, BSA-B, BSA-C or BSA-D Switched Access.

(3) Combined Originating 800/877/888 Type Terminating Calling Feature

The Combined Originating/Terminating Calling feature is available on a per-line basis from appropriately equipped WATS Serving Offices and provides the functionalities of both the Originating Only and the 800/877/888 Type Terminating Only features. This option is not available with Tandem Switched Signaling.

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4. **SWITCHED ACCESS (Cont'd)**

4.2 **Description of Switched Access (Cont'd)**

4.2.5 **End Office Services Optional Arrangements (Cont'd)**

(V) Switched Access Interface (Cont'd)

(4) The following matrix details the direction, call type, service prefix and traffic types provided on each Switched Access Interface Arrangement.

<u>Switched Access Interface Arrangements</u>				
	Restricted Geographic Screening		800/877/888 Type Terminating	Combined Originating/ 800/877/888 Type Terminating
	<u>Arrangement</u>	<u>Arrangement</u>	<u>Only</u>	<u>Terminating</u>
Section Ref.	(V) (1) (a)	(V) (1) (b)	(V) (2)	(V) (3)
<u>Directionality</u>				
Originating Only	x	x		
Terminating Only			x	
Two-Way				x
<u>Call type (1+)</u>				
Local	B	B	B	B
IntraMSA/Intrastate	B	R/D*	C	R/D/C*
IntraMSA/Intrastate	D	D	C	D/C
IntraMSA/Intrastate	B	D*	C	D/C*
IntraMSA/Intrastate	D	D	C	D/C
<u>Service Prefix</u>				
0-	R	R		R
00-	D	D		D
0+	B	D*		D*
IDDD	B	D		D
101XXXX	B	D/B*		D/B*
<u>Traffic Type</u>				
411	B	B		B
911	R	R		R
976	R	R		R
700	B	D		D
500/800/877/888/900	B	D		D

D = Telephone Company DELIVERS traffic to the customer.  
 R = Telephone Company RETAINS and completes traffic.  
 C = Telephone Company COMPLETES traffic to the end user's premises.  
 B = Telephone Company BLOCKS traffic to an announcement.

\* Intrastate traffic will be delivered to the customer.

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4. **SWITCHED ACCESS (Cont'd)**

4.2 **Description of Switched Access (Cont'd)**

4.2.5 **End Office Services Optional Arrangements (Cont'd)**

(V) **Switched Access Interface (Cont'd)**

(5) **Intrastate Traffic Restriction**

An interstate Switched Access Interface and an intrastate Switched Access Interface must be ordered for the provisioning of multi-jurisdictional access.

Unless the customer subscribes to the 101XXXX blocking option offered in Section 4.2.5(V)(1)(b) preceding, all calls carried over a Special Access Line used in conjunction with a Switched Access Interface for multi-jurisdictional access will be passed to the customer for completion.

The terms, conditions, and rates for the intrastate Special Access and Switched Access associated with this feature are as set forth in Sections 4 and 5 of this tariff. The terms, conditions, and rates for the interstate Switched Access are as set forth in the Telephone Company's Facilities for Interstate Access Tariff, GTOC FCC No. 1.

When the customer orders Special Access from Section 5 of the Telephone Company's Facilities for Interstate Access Tariff, GTOC FCC No. 1, for the facilities between the end user's premises and the WATS Serving Office for use with Multi-jurisdictional Access as set forth above, the customer will be exempted from the intrastate charge.

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

(W) (Reserved for Future Use)

(X) (Reserved for Future Use)

(Y) Switched Data Service(1) Switched 56

This option provides for a connection capable of up to 56 Kbps digital transmission between the customer's CDL and a suitably equipped end office. Switched Data service lines connected at those suitably equipped end offices will be accessed on a switched basis for digital transmission up to 56 Kbps. These locations are identified in the National Exchange Carrier Association, Inc., Tariff F.C.C. No. 4 Wire Center and Interconnection Information.

This option is provided only with FGD or BSA-D. A separate FGD or BSA-D trunk group must be established for the provision of Switched Data service. This trunk group requires the use of a DS1 digital interface as described in Section 4.2.3(B)(6). Switched Data and Non-Switched Data traffic may not be combined on the same trunk group.

Access is made via the standard dialing pattern as set forth in section 4.2.1(D)(8) and 4.2.2(D)(8).

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.5 **End Office Services Optional Arrangements** (Cont'd)

(Y) Switched Data Service (Cont'd)

(2) Switched 64

This option provides for a connection capable of up to 64 Kbps digital transmission with clear channel capability between the customer's CDL and a suitably equipped end office. Clear channel capability allows for full bandwidth availability to the customer with no part of the channel used for control, framing or signaling.

Switched 64 requires all digital facilities including the use of a DS1 digital interface as described in Section 4.2.3(B)(6) and is available only with FGD or BSA-D from end offices capable of providing SS7 signaling, Bipolar with Eight Zero Substitution (B8ZS) line code format and Integrated Services Digital Network (ISDN) or other Switched Data based services. These locations are identified in the National Exchange Carrier Association, Inc., Tariff F.C.C. No. 4 Wire Center and Interconnection Information.

Access is made via the standard dialing pattern as set forth in section 4.2.1(D)(8) and 4.2.2(D)(8).

A separate FGD or BSA-D trunk group must be established for the provision of Switched 64 service.

Switched data and non-switched data traffic may not be combined on the same trunk group.

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**4. SWITCHED ACCESS (Cont'd)****4.2 Description of Switched Access (Cont'd)****4.2.5 End Office Services Optional Arrangements (Cont'd)****(Z) 0+900 Service**

The 0+900 service option provides 0+900-NXX-XXXX dialing capability from end offices converted to equal access within a MSA. The 0+900 service option is provided only in conjunction with a customer's 1+900+NXX-XXXX dialing capability and is not offered without that capability.

Calls to a 900 number dialed via 0+ will be blocked unless an ASR requesting unblocking is submitted to the Telephone Company by the customer. In addition, calls originating in a MSA for which 1+900 and 0+900 dialing capability has been established will be blocked utilizing the following blocking specifications.

- 1+900+NXX-XXXX will be blocked from coin phones (except customer owned coin operated telephones), 101XXXX, Inmate service, Hotel/Motel service (except those with customer owned rating services).
- 0+900+NXX-XXXX will be blocked from 101XXXX and Inmate service.

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**4. SWITCHED ACCESS (Cont'd)****4.2 Description of Switched Access (Cont'd)****4.2.5 End Office Services Optional Arrangements (Cont'd)****(AA) Signaling System 7 (SS7) Out of Band Signaling**

This option is provided in conjunction with Common Channel Signaling System 7 (CCS7) Access Service described in the Telephone Company's Interstate Access Tariff, GTOC FCC No. 1, and is only available with Switched Access FGD or BSA-D service, 500 SAC Access, 800/877/888 SAC Access and 900 SAC Access Services. SS7 Out of Band Signaling provides common channel out of band transmission of address and supervisory SS7 protocol signaling information between the end office or access tandem switching systems and the CDL. FGD or BSA-D Switched Access, 500 SAC Access, 800/877/888 SAC Access and 900 SAC Access Services, equipped with SS7 Out of Band Signaling, are available with the following interface arrangements: DS1 Digital, DS1C Digital, DSC Digital, and DS3C Digital. SS7 Out of Band Signaling is provided at suitably equipped Telephone Company end office or access tandem switches. The technical specifications for SS7 Out of Band Signaling are described in Bellcore Technical Reference Publication TR-TSV-000905.

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**4. SWITCHED ACCESS (Cont'd)****4.2 Description of Switched Access (Cont'd)****4.2.5 End Office Services Optional Arrangements (Cont'd)****(AB) Calling Party Number (CPN) Parameter**

The CPN parameter, available as a nonchargeable option for originating FGD or BSA-D with SS7 Out of Band Signaling, provides for the automatic transmission of the ten digit directory number, associated with a calling station, to the customer's premises for originating calls. The ten digit number consists of the NPA plus the seven digit telephone number which may or may not be the same number as the calling station's charge number. The CPN parameter also includes a "privacy indicator" which allows the ten digit telephone number to be coded as presented or restricted for delivery to the called end user. The technical specifications for CPN are described in Bellcore Technical Reference Publication TR-TSV-000905.

**(AC) Carrier Selection Parameter (CSP)**

The CSP, available as a nonchargeable option for originating FGD or originating BSA-D with SS7 Out of Band Signaling, provides for the automatic transmission of a signaling indicator which signifies to the customer whether or not a given call originated from a presubscribed line. If the line was presubscribed, the indicator will signify if the end user did or did not dial 101XXXX. The technical specifications for CSP are described in Bellcore Technical Reference Publication TR-TSV-000905.

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.5 **End Office Services Optional Arrangements** (Cont'd)

(AD) Charge Number (CN) Parameter

The CN parameter, available as a nonchargeable option for originating FGD with SS7 Out of Band Signaling, is equivalent to the existing ten digit Automatic Number Identification (ANI) available with FGD with MF signaling. When BSA-D with SS7 Out of Band Signaling is specified, the customer may order the CN parameter at the rates for ANI-BSE as shown in 4.6. The CN parameter provides for the automatic transmission of the ten digit billing number of the calling station and the originating line information. The technical specifications for CN are described in Bellcore Technical Reference Publication TR-TSV-000905.

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

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

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4. **SWITCHED ACCESS (Cont'd)**

4.2 **Description of Switched Access (Cont'd)**

4.2.5 **End Office Services Optional Arrangements (Cont'd)**

(AD) Charge Number (CN) Parameter (Cont'd)

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

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

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

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

This option allows for the passing of the Carrier Identification Code (CIC) and the OZZ code or circuit code information needed to perform tandem switching functions. The CIC identifies the uniform access code associated with the Switched Access usage for a specific interexchange carrier. The OZZ code identifies the service class routing code of a multifrequency call that indicates the interexchange carrier's trunk group to which the traffic will be routed. The circuit code identifies the service class routing of an SS7 call that indicates the interexchange carrier's trunk group to which the traffic will be routed (e.g., 0+, 0-, 500, 900, etc.). This option is only available with FGD Switched Access, 500 SAC Access and 900 SAC Access Services and can only be provided from equal access end offices. This option is not available from end offices that use alternate technologies to provide equal access capabilities, or from Telephone Company access tandems.

**(AF) (Reserved for Future Use)**

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4. **SWITCHED ACCESS** (Cont'd)

4.2 **Description of Switched Access** (Cont'd)

4.2.5 **End Office Services Optional Arrangements** (Cont'd)

(AG)

(D)

(D)

(AH) **Flexible Automatic Number Identification (FLEX ANI)**

FLEX ANI, available as a nonchargeable option, when ordered in conjunction with the ANI optional feature or the ANI BSE, provides additional values for the ANI Information Indicator (II) digits to identify calls originating from public telephone access service lines for per call compensation. The FLEX ANI option is provided per end office on a Carrier Identification Code (CIC) basis and is available with FGD service or BSA D service at suitably equipped end offices.

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4. **SWITCHED ACCESS (Cont'd)**

4.2 **Description of Switched Access (Cont'd)**

4.2.6 **Call Restriction and Code Screening Reports**

The customer, when ordering Call Denial on Line or Hunt Group, Service Class Routing or Trunk Access Limitation, as in 4.2.5, shall report the appropriate codes to be instituted in each end office switch.

4.2.7 **Installation and Acceptance Testing of Switched Access**

(A) The Switched Access provided under this tariff (a) will include any Telephone Company installed equipment, entrance cable or drop wiring, and wiring or cable within a building necessary to terminate the Switched Access at a point of termination reasonably situated so as to serve the CDL, and (b) will be installed by the Telephone Company to such a point of termination. The customer shall be responsible for providing facilities beyond the point of termination. When performing installation and acceptance testing, the Telephone Company will, on a cooperative basis, test the line or trunk beyond the customer's first point of switching (i.e., End-to-End).

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4. **SWITCHED ACCESS (Cont'd)**

4.2 **Description of Switched Access (Cont'd)**

4.2.7 **Installation and Acceptance Testing of Switched Access (Cont'd)**

- (B) At no additional charge, the Telephone Company will, at the customer's request cooperatively test, at the time of installation, loss, 3-tone slope, DC continuity C-notched noise, C-message noise and operational signaling, when applicable. When the Interface Arrangement is established at the Telephone Company's first point of switching, and the customer requests these tests, the Telephone Company will perform the tests independently and provide the results to the customer. When the Interface Arrangement provides a four-wire voice transmission facility and the point of termination provides two-wire voice transmission (i.e., there is a four-wire to two-wire conversion at the point of termination), echo control (balance-echo path return loss/equal level echo path loss) may also be tested.

Additional charges will apply as in 6.6(A)(1) when: (a) the customer requests a test not set forth above, or (b) the test requested is not essential to the installation of the particular Switched Access ordered.

If acceptance tests are not started within 15 minutes after the scheduled appointment time for such tests, as negotiated between the Telephone Company and the customer, additional charges will apply, as in 6.2(D) and 6.2(G), unless the delay is caused by the Telephone Company.

4.2.8 **Provision of Design Layout Report**

The Telephone Company will provide to the customer the makeup of the Switched Transport portion of the Switched Access provided under this tariff to enable the customer to design its overall service. This information will be reissued or updated whenever the makeup of the facilities provided to the customer are materially changed.

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**4. SWITCHED ACCESS (Cont'd)****4.2 Description of Switched Access (Cont'd)****4.2.9 Network Management**

The Telephone Company will administer its network to ensure the provision of standard traffic grade of service levels to all telecommunications users of the Telephone Company's network services. The Telephone Company maintains the right to apply protective controls such as diversion of overflow traffic to informational announcements or restriction of access to congested traffic areas on any traffic carried over its network in order to assure satisfactory service levels to all customers. These controls include the right to restrict and, if necessary, deny access to and from the point of termination at the CDL.

Outage credit will apply as in 2.4.4 in cases where all transmission paths are blocked as a result of application of protective controls, except that to the extent that these controls relate to emergency situations, no notice requirement is necessary beyond that already provided for in this tariff.

**4.2.10 (Reserved for Future Use)****4.2.11 800/877/888 Customer Identification Function**

This function utilizes 800/877/888 Data Base Query Service, as described in 4.2.19, to screen all ten digits of all 800-NXX-XXXX, 877-NXX-XXXX or 888-NXX-XXXX type calls generated by end users to determine the customer to which the 800/877/888 call is to be routed. This function is provided in conjunction with 800/877/888 SAC Access Service.

**4.2.12 900 Customer Identification Function**

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

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**4. SWITCHED ACCESS (Cont'd)****4.2 Description of Switched Access (Cont'd)****4.2.13 Design and Routing of Switched Access**

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

**4.2.14 Provision of Switched Access Performance Data**

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

**4.2.15 Transmission Performance**

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

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4. **SWITCHED ACCESS (Cont'd)**

4.2 **Description of Switched Access (Cont'd)**

4.2.16 **Design Blocking Probability**

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

- (A) For FGA or BSA-A no design blocking criteria apply.
- (B) For FGB, FGC, BSA-B, BSA-C and SAC Access Service, the design blocking objective will be one percent (.01) between the CDL and the first point of switching as in reference document GTE Service Corporation Telephone Operations - Traffic Grade of Service Standards. Standard traffic engineering methods will be used by the Telephone Company to determine the number of transmission paths required to achieve this level of blocking.
- (C) For FGD and BSA-D the design blocking objective will be one percent (.01) between the CDL and the end office switch as in reference document GTE Service Corporation Telephone Operations - Traffic Grade of Service Standards. Standard traffic engineering methods will be used by the Telephone Company to determine the number of transmission paths required to achieve this level of blocking.

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4.2 **Description of Switched Access (Cont'd)**

4.2.16 **Design Blocking Probability (Cont'd)**

- (D) When FGB, FGC, FGD, BSA-B, BSA-C, BSA-D or SAC Access Service is ordered in trunks, the Telephone Company cannot guarantee these design blocking probabilities. The Telephone Company will perform routine measurement functions, except on FGA or BSA-A, to assure that an adequate number of transmission paths are in service. The Telephone Company will recommend that additional capacity (BHMC or quantities of trunks) be ordered by the customer when additional paths are required to reduce the measured blocking to the designed blocking level. For the capacity ordered, the design blocking objective is assumed to have been met if the routine measurements show that the measured blocking does not exceed the threshold listed in the following tables.
- (1) For FGB, FGC, BSA-B and BSA-C transmission paths carrying traffic between a CDL and the first point of switching, or FGD or BSA-D transmission paths, carrying traffic direct between a CDL and an end office, the measured blocking thresholds are as follows:

Number of Transmission Paths Per Trunk Group	Measured Blocking Thresholds in the Daily Busiest Hour for the Number of Measurements Per Trunk Group			
	15-20 Measurements	11-14 Measurements	7-10 Measurements	5-6 Measurements
2	.070	.080	.090	.140
3	.050	.060	.070	.090
4	.050	.060	.070	.080
5-6	.040	.050	.060	.070
7 or more	.030	.035	.040	.060

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4. **SWITCHED ACCESS (Cont'd)**

4.2 **Description of Switched Access (Cont'd)**

4.2.16 **Design Blocking Probability (Cont'd)**

(D) (Cont'd)

(2) For FGD and BSA-D transmission paths carrying traffic between a CDL and an end office via an access tandem, the measured blocking thresholds are as follows:

Number of Transmission Paths Per Trunk Group	Measured Blocking Thresholds in the Daily Busiest Hour for the Number of Measurements Per Trunk Group			
	15-20	11-14	7-10	5-6
	<u>Measurements</u>	<u>Measurements</u>	<u>Measurements</u>	<u>Measurements</u>
2	.045	.055	.060	.095
3	.035	.040	.045	.060
4	.035	.040	.045	.055
5-6	.025	.035	.040	.045
7 or more	.020	.025	.030	.040

4.2.17 **Special Facilities Routing**

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

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**4. SWITCHED ACCESS (Cont'd)****4.2 Description of Switched Access (Cont'd)****4.2.18 Information Surcharge**

- (A) The Information Surcharge applies to each Switched Access minute of use (measured or assumed) and shall be assessed upon all customers that use local switching facilities for the provision of intrastate or foreign telecommunications.
- (B) The Information Surcharge is to recover the costs of the functions associated with the printing of the directory white pages. The surcharge is assessed to a customer based on the total number of access minutes at the rates in 4.6.4.
- (C) The Information Surcharge rate element does not apply to switched access minutes of use that originate or terminate at MTSOs directly interconnected to a Telephone Company access tandem office.

**4.2.19 800/877/888 Data Base Query Service**

800//877/888 Data Base Query Service, offered in conjunction with 800/877/888 SAC Access Service, performs the 800/877/888 Customer Identification Function, as described in 4.2.11, to determine the customer to whom 800/877/888 calls must be routed. For all 1+800-NXX-XXXX, 1+877-NXX-XXXX or 1+888-NXX-XXXX calls originated by an end user, the Telephone Company will perform the customer identification function using a Telephone Company 800/877/888 Data Base to screen the dialed ten digits of the 800/877/888 call to determine the customer selected by the 800/877/888 subscriber to carry that 800/877/888 call. If the 800/877/888 call originates from an end office switch not equipped to provide the customer identification function, the call will be routed to an access tandem switch equipped to provide the customer identification function. Once customer identification has been established through 800/877/888 Data Base Query Service, the 800/877/888 call will be routed to the selected customer for completion.

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4. **SWITCHED ACCESS (Cont'd)**

4.2 **Description of Switched Access (Cont'd)**

4.2.19 **800/877/888 Data Base Query Service (Cont'd)**

Basic 800/877/888 Data Base Queries provide instructions to route 1+800, 1+877 or 1+888 calls on a simple call turn around basis to one particular customer or to different customers based on the MSA in which the 800/877/888 call originates.

Premium 800/877/888 Data Base Queries provide instructions to route 1+800-NXX-XXXX 1+877-NXX-XXXX and 1+888-NXX-XXXX calls to:

- (A) Different customers based on time of day, day of week, or based on number of calls allocated by 800/877/888 subscriber selected percentages.
- (B) Different terminating locations based on time of day, day of week, or based on number of calls allocated by 800/877/888 subscriber selected percentages.
- (C) Standard seven digit local exchange telephone numbers at the terminating end based on the 800/877/888 subscriber's specific requirements.

The 800/877/888 subscriber is responsible for arranging the entry of the various routing instructions discussed herein into the Number Administration Service Center's (NASC's) Service Management System (SMS).

Rate regulations and charges applicable to 800/877/888 Data Base Query Service appear in 4.5.2 and 4.6.3.

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4. **SWITCHED ACCESS (Cont'd)**

4.2 **Description of Switched Access (Cont'd)**

4.2.20 **500 Customer Identification Function**

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

4.2.21 **Tandem Switch Signaling**

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

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

4.2.22 **Switched Access Discount Plan**

The Switched Access Discount Plan, the Term Plan, which is optionally available with all feature groups, can provide savings to customers who commit to various purchase time periods.

The Term Plan is available on a statewide basis or by specific market areas within a state.

The Term Plan is described in 4.5.13.

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4. SWITCHED ACCESS (Cont'd)

4.2 Description of Switched Access (Cont'd)

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4.2 Description of Switched Access (Cont'd)

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4. **SWITCHED ACCESS (Cont'd)**

4.3 **Obligations of the Customer**

4.3.1 **On and Off-Hook Supervision**

The customer facilities shall provide the necessary on and off-hook supervision.

4.3.2 **ASR Requirements**

The customer shall order all Switched Access as in Section 3, and 4.3.2 and 4.3.3.

Switched Access capacity is measured at the Telephone Company's first point of switching. ASRs for Entrance Facilities and Direct-Trunked Transport must specify the customer designated premises, type of service (e.g., Voice Grade, DS1 or DS3), the channel interface, and any options desired. In addition, ASRs for Direct-Trunked Transport must specify any Hubs involved and the end office, when direct routing to an end office is desired, or the access tandem if direct routing to an access tandem switch for purposes of obtaining Tandem-Switched Transport is desired.

ASRs for Direct-Trunked Transport must also specify the Feature Group or BSA, number of lines or trunks at the end office or tandem, major traffic types and directionality. Ordered quantities shall be specified by originating and terminating direction and by traffic type (e.g., MTS/MTS-type or WATS/WATS-type). Where the customer desires to segregate its originating traffic into separate trunk groups by type of traffic, the customer must specify the ordered quantities by trunk group and by traffic type. For example, if a customer desires a separate trunk group to carry its 500, 800, 877, 888 or 900 traffic, the order must specify the trunks or BHMCs associated with 500, 800, 877, 888 or 900 traffic for that trunk group.

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**4. SWITCHED ACCESS (Cont'd)****4.3 Obligations of the Customer (Cont'd)****4.3.2 ASR Requirements (Cont'd)**

Customers may order Tandem-Switched Transport by specifying the number of trunks required between the CDL and access tandem switch or BHMCs between the CDL and the end office. The customer shall provide, when he orders BHMC, his projected intrastate BHMC between the CDL and each end office in the Access Area by traffic type. The customer shall provide, when he orders lines or trunks, his projected intrastate traffic distribution by percent for each end office in the Access Area by traffic type. If the customer fails to provide his traffic distribution, the Telephone Company will use appropriate Telephone Company traffic studies to project distribution by end office.

When FGA or BSA-A is ordered the customer shall specify whether or not the terminating traffic is to be restricted to the Access Area as in 4.2.1, 4.2.2 and 4.2.5(C), (D) or (E) or extended beyond the Access Area (i.e., local calling area) as in 4.5.3. If the customer wishes to restrict the traffic, the rates in 4.5.2(B) may apply, depending upon the optional arrangement selected.

When the Alternate Traffic Routing optional arrangement is provided, Percent Traffic Routed (PTR) values must be provided on the ASR as described in 4.5.2(H)(2).

When a customer orders Switched Access for mixed interstate and intrastate usage, the customer shall provide an estimate of the total usage which will be intrastate by traffic type.

The customer allocated percentages will be used as a basis of the jurisdictional determination for billing purposes of all charges until a more accurate determination can be provided as in 4.3.3 and 4.5.2.

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4. **SWITCHED ACCESS (Cont'd)**

4.3 **Obligations of the Customer (Cont'd)**

4.3.3 **Jurisdictional Determination**

For purposes of determining the jurisdiction of Switched Access traffic, once the Switched Access service is activated, the following criteria will apply:

- (A) When the Telephone Company has measurement capability to provide the data to determine the jurisdiction of Switched Access traffic, the Telephone Company will determine the jurisdiction of Switched Access traffic. In those instances where the Telephone Company cannot determine the jurisdiction, the customer will be required to provide this information as described below.
- (B) To determine the jurisdiction of FGA and FGB Switched Access traffic and that traffic placed on a 1+ basis in conjunction with FGA, the following criteria will apply:
  - (1) Traffic that enters a customer's network at a point within the same state as that in which the station designated by dialing is situated will be considered as intrastate.
  - (2) Traffic that enters a customer's network at a point in a state other than that in which the station designated by dialing is situated will be considered interstate.
- (C) When determining the jurisdiction of Switched Access traffic provided via a BSA or BSE and the intrastate equivalent of the BSA or BSE is only available on a bundled feature group basis, intrastate usage will be prorated to the bundled intrastate feature group equivalent of the BSA.

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4. **SWITCHED ACCESS** (Cont'd)

4.3 **Obligations of the Customer** (Cont'd)

4.3.3 **Jurisdictional Determination** (Cont'd)

- (D) When a customer submits an order for Switched Access services the customer must state the Percentage of Interstate Usage (PIU) on a statewide, MSA, billing account number (BAN) or end office level as follows:
- (1) For FGA, FGB, FGC, FGD, BSA-A, BSA-B, BSA-C, BSA-D, 500, 800, 877, 888 and 900 End Office services, the PIU will be applied to the appropriate End Office Switching, Information Surcharge, Interconnection Charge, and, if applicable, Tandem Switched Transport and Tandem Switching minutes of use.
  - (2) A PIU shall be provided for each Entrance Facility and a separate PIU shall be provided for each Direct-Trunked Transport facility reflecting the originating and terminating traffic of all Switched Access services that use such facilities. When a Customer orders the same type of Entrance Facility and Direct-Trunked Transport, i.e., DSO, DS1 or DS3, from the CDL to the first point of switching or the Telephone Company hub, the Customer may submit one PIU to be applied to both the Entrance Facility and the Direct- Trunked Transport. A consolidated PIU for all Entrance Facility and Direct-Trunked Transport may be provided at the option of the customer if such PIU is representative of the actual interstate use of the service.
  - (3) The PIU for Switched Access Services must be provided by the customer of record when used in conjunction with Switched Access EIS as described in Section 17.
  - (4) The PIU for Switched Access services must be provided by the customer of record when used in conjunction with Tandem Switch Signaling.

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4. **SWITCHED ACCESS (Cont'd)**

4.3 **Obligations of the Customer (Cont'd)**

4.3.3 **Jurisdictional Determination (Cont'd)**

- (E) If the customer provides jurisdictional information, the following requirements apply:
- (1) The customer will provide quarterly reports indicating the percent of total Telephone Company provided Switched Access usage that is interstate and intrastate. The reports may aggregate usage at a statewide MSA, BAN (Billing Account Number) or end office level.
  - (2) The reports will be based on the calendar year and will be due within fifteen days after the end of the quarter beginning with the completion of the first full quarter of service.
  - (3) The customer will maintain records of call detail from which the jurisdictional determination is made. For verification purposes the Telephone Company may request that these records be made available for inspection and audit on not more than an annual basis. Such audit may be conducted by independent auditors if the Telephone Company and the customer, or the customer alone is willing to pay the expense.

The quarterly reports will be used as the basis for prorating charges to the interstate and intrastate jurisdictions for the next three month's billing and will be effective with the first day of the next monthly billing period which begins at least 15 business days after the day on which the customer reports the revised jurisdictional information to the Telephone Company.

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4. **SWITCHED ACCESS** (Cont'd)

4.3 **Obligations of the Customer** (Cont'd)

4.3.3 **Jurisdictional Determination** (Cont'd)

(E) (Cont'd)

In the event the customer fails to provide a report for one or more quarters, the Telephone Company will use the most recently provided quarterly report for subsequent bills until the customer provides an updated report.

No revisions to bills preceding the effective date of the revised jurisdictional information will be made based on this report.

In those situations where a PIU for Entrance Facility or Direct-Trunked Transport charges has not been provided with a quarterly update and is therefore not available, the Telephone Company will apply a current PIU from its Jurisdictional Factors Database. The first available factor from the following sequence will be selected: Feature Group D first, Feature Group B second and Feature Group C third.

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4. **SWITCHED ACCESS (Cont'd)**

4.4 **Payment Arrangements and Credit Allowances**

4.4.1 **(Reserved for Future Use)**

4.4.2 **Cancellation of Applications**

A customer may cancel an application for Switched Access in accordance with the regulations and charges in Section 3.

4.4.3 **Credit Allowances**

(A) Allowances for service interruptions are in 2.4.4.

(B) Usage Sensitive Service credit will be included in the FGA or BSA-A monthly bills rendered to customers to reflect usage charges collected from their end users for intrastate calls. The amount of credit applies to the End Office Switching rate element for originating calls. When the customer is provided originating only FGA or BSA-A service, the credit will apply to either the actual access minutes measured or the assumed minutes as in 4.5.2(O).

No credit will apply for terminating only FGA or BSA-A.

(C) (Reserved for Future Use)



4. **SWITCHED ACCESS (Cont'd)**

4.5 **Rate and Charge Regulations**

4.5.1 **Rate Elements**

- (A) For the purposes of determining the rates and charges for Switched Access, including SAC Access Service, the following rate elements may apply:

Entrance Facility  
Direct-Trunked Transport  
Tandem-Switched Transport  
Interconnection Charge  
Multiplexing  
Cross Connect Charge  
End Office Switching  
Information Surcharge  
800/877/888 Data Base Query  
Shared Trunk Port  
Dedicated Trunk Port  
Shared Multiplexing

FGB, FGC, FGD, BSA-B, BSA-C, BSA-D and SAC Access Service are also subject to the Network Blocking charge per call as in 4.5.2.

- (B) (Reserved for Future Use)

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4. **SWITCHED ACCESS (Cont'd)**

4.5 **Rate and Charge Regulations (Cont'd)**

4.5.2 **Rate Regulations**

This section contains the specific regulations governing the rates and charges that apply for Switched Access, including SAC Access Service and 800/877/888 Data Base Query service.

(A) **Types of Rates and Charges**

There are three types of rates and charges. These are usage sensitive rates, flat rates and nonrecurring charges. The rates and charges are described as follows:

(1) **Usage Rated**

Usage rates are rates applied on a per Access Minute basis. They are also applied on a per query basis either as basic or premium as described in 4.5.2(H).

End Office Switching and Information Surcharge rate elements are usage rated.

The Tandem-Switched Transport-Termination, Tandem Switching, Interconnection, Shared Trunk Port and Shared Multiplexing rate elements are usage rated.

The Tandem-Switched Transport-Facility rate element is both usage and distance-sensitive.

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4. SWITCHED ACCESS (Cont'd)

4.5 Rate and Charge Regulations (Cont'd)

4.5.2 Rate Regulations (Cont'd)

(A) Types of Rates and Charges (Cont'd)

(2) Flat Rated

Flat rates apply, on a per month basis, regardless of the amount of rate element usage. Flat rates may be either distance-sensitive or nondistance-sensitive.

Direct-Trunked Transport is flat-rated and both distance and non-distance-sensitive.

The Entrance Facility is flat-rated and is nondistance-sensitive.

Dedicated Multiplexing, the Cross Connect Charge and Dedicated Trunk Port Charge are all flat-rated elements.

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4. **SWITCHED ACCESS** (Cont'd)

4.5 **Rate and Charge Regulations** (Cont'd)

4.5.2 **Rate Regulations** (Cont'd)

(A) **Types of Rates and Charges** (Cont'd)

(3) **Nonrecurring Charges**

Nonrecurring charges are one-time charges that apply for specific work activities in conjunction with providing Switched Access Service or change to an existing Switched Access Arrangement or Basic Serving Arrangement.

(a) **Service Installation Charges**

The Service Installation Charge applies to customer requests for installation of Switched Access Entrance Facilities from the CDL to the serving wire center. The Charge applies on a per Entrance Facility basis and is dependent upon the type of Entrance Facility ordered (i.e., Voiceband, DS1 or DS3).

(b) **Installation of Voiceband Entrance Facilities**

The Service Installation charge associated with the Installation of Voiceband Entrance Facilities is specified in 4.6.2(J).

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4. **SWITCHED ACCESS** (Cont'd)

4.5 **Rate and Charge Regulations** (Cont'd)

4.5.2 **Rate Regulations** (Cont'd)

(A) Types of Rates and Charges (Cont'd)

(3) Nonrecurring Charges (Cont'd)

(c) Installation of Multiplexing Arrangements

A Nonrecurring charge applies for the installation of multiplexing arrangements available with Switched Access Service. This charge applies per multiplexing arrangement ordered and is dependent upon the type of multiplexing performed (DS1 to Voice or DS3 to DS1). This charge also applies whether the multiplexing arrangement is installed coincident with the initial installation or at anytime subsequent to the installation of service.

(d) (Reserved for Future Use)

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4. SWITCHED ACCESS (Cont'd)

4.5 Rate and Charge Regulations (Cont'd)

4.5.2 Rate Regulations (Cont'd)

(A) Types of Rates and Charges (Cont'd)

(3) Nonrecurring Charges (Cont'd)

(e) Installation of DS1 and DS3 Entrance Facilities

(1) DS1 Standard Arrangements

For DS1 Entrance Facilities, a separate nonrecurring charge applies for each DS1 Entrance Facility ordered.

(2) Reserved For Future Use

(C)  
(D)

(3) DS3 Arrangements

(D)

For DS3 Entrance Facilities, the charge for the installation will apply at the rates set forth in 4.6.2(J). These charges will apply for each DS3 Entrance Facility ordered.

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Decision No.

4. SWITCHED ACCESS (Cont'd)

4.5 Rate and Charge Regulations (Cont'd)

4.5.2 Rate Regulations (Cont'd)

(A) Types of Rates and Charges (Cont'd)

(3) Nonrecurring Charges (Cont'd)

(f) Switched Access Installation charge Waiver

Pursuant to the Federal Communications Commission's (FCC) Order in CC Docket No. 96-262, Access Charge Reform, released May 16, 1997, all nonrecurring charges (NRCs) for service connection are waived when a customer converts trunks from tandem-switched to direct-trunked for Tandem Switched Transport between the Tandem Switch and the Serving Wire Center (SWC). NRCs are also waived if a customer orders the discontinuance of overprovisioned trunks between the Tandem Switch and the SWC. Waiver of these NRCs continues through December 31, 1998.

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**4. SWITCHED ACCESS (Cont'd)****4.5 Rate and Charge Regulations (Cont'd)****4.5.2 Rate Regulations (Cont'd)**(A) Types of Rates and Charges (Cont'd)(3) Nonrecurring Charges (Cont'd)(g) Switched Access Ordering Charge

This charge, applied on a per ASR basis, is associated with the work performed by the Telephone Company in connection with the receiving, recording and processing of service requests. The Switched Access Ordering Charge applies to all requests to establish Entrance Facilities, Direct-Trunked Transport Facilities, and Tandem-Switched Transport Facilities. Where Entrance Facilities and Direct-Trunked and/or Tandem-Switched Transport are ordered on a single ASR, only one Switched Access Ordering Charge applies. This charge is in addition to any Service Installation Charge for Entrance Facility installations.

The Switched Access Ordering Charge will not apply to ASRs received prior to December 1, 1992, for service rearrangements to establish 800 SAC access trunk groups or to establish combined 800 and Long Distance Message Telecommunications Service (LDMTS) trunk groups, both equipped with SS7 Out of Band Signaling, from the Telephone Company access tandem to the CDL. The requested in-service date for the trunk rearrangements shall be no later than January 15, 1993.

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4. SWITCHED ACCESS (Cont'd)

4.5 Rate and Charge Regulations (Cont'd)

4.5.2 Rate Regulations (Cont'd)

(A) Types of Rates and Charges (Cont'd)

(3) Nonrecurring Charges (Cont'd)

(g) Switched Access Ordering Charge (Cont'd)

Switched Access Ordering Charge will apply for a change in FGD or BSA-D switched access and 800/877/888 SAC access signaling from multifrequency address signaling to SS7 Out of Band Signaling except as specified above.

This charge also applies, per ASR, for the installation, addition, change, rearrangement or move of EIS Switched and Special Access Service facilities, except as specified in 4.5.2(A)(3)(h).

The Switched Access Ordering Charge applies to a customer request to change an end user WATS Access Line (i.e., OutWATS) to a different band. This charge does not apply to 800/877/888 (InWATS) Service.

The Switched Access Ordering Charge also applies to requests to activate additional trunks or to increase BHMC on existing Switched Transport Facilities and, changes in the type of Feature Group or Direct-Trunked Transport, for any modifications or changes to existing services that are not considered an administrative change as described in 4.5.2(A)(3)(h). This would include such activities as:

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4. **SWITCHED ACCESS** (Cont'd)

4.5 **Rate and Charge Regulations** (Cont'd)

4.5.2 **Rate Regulations** (Cont'd)

(A) **Types of Rates and Charges** (Cont'd)

(3) **Nonrecurring Charges** (Cont'd)

(g) **Switched Access Ordering Charge** (Cont'd)

- Changes and/or additions to end office services optional arrangements (changes in hunt group or screening arrangements).
- The combination or splitting of FGA or BSA-A hunt groups.
- A move to a new point of termination within the same CDL.
- Changes of a telephone number for FGA or BSA-A or Special Access Lines used with a Switching Interface.
- The activation or deactivation of 500 or 900 SAC NXX Codes on a per tandem level or end office basis.
- The unblocking or blocking of 0+900 dialing capability or a per tandem level or end office basis.
- The addition of Operator Services to existing services.

(D)

(D)

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4. SWITCHED ACCESS (Cont'd)

4.5 Rate and Charge Regulations (Cont'd)

4.5.2 Rate Regulations (Cont'd)

(A) Types of Rates and Charges (Cont'd)

(3) Nonrecurring Charges (Cont'd)

(g) Switched Access Ordering Charge (Cont'd)

The Switched Access Ordering Charge will not apply to requests where the customer has existing FGB or BSA-B and/or FGD or BSA-D at a Telephone Company access tandem and the customer wants to add FGB or BSA-B and/or FGD or BSA-D to a subtending end office which is converting to equal access, and the request does not involve physical changes, additions or deletions to the existing facilities.

The Switched Access Ordering charge will not apply to requests where the customer has existing FGB or BSA-B and/or FGD or BSA-D and the customer wants to add a new CIC Code to those existing facilities (except as noted above).

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4. **SWITCHED ACCESS** (Cont'd)

4.5 **Rate and Charge Regulations** (Cont'd)

4.5.2 **Rate Regulations** (Cont'd)

(A) **Types of Rates and Charges** (Cont'd)

(3) **Nonrecurring Charges** (Cont'd)

(h) **Service Rearrangements**

Service rearrangements are changes to existing (installed) services which may be administrative only in nature or involve an actual physical change in service.

Changes in the type of Entrance Facility will be treated as a discontinuance of one type of service and a start of another. the Service Installation charge shall apply to the new Entrance Facility installation.

Changes in the physical location of the point of termination are treated as moves which are described and charged for as in 4.5.2(A)(3)(n).

Changes in name or ownership or transfer of responsibility from one customer to another requires the discontinuance of service and the start of a new service when an interruption or relocation of service is involved. The Switched Access Ordering charge and Service Installation Charge, if appropriate, and any appropriate Minimum Period Charges will apply per service change.

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4. SWITCHED ACCESS (Cont'd)

4.5 Rate and Charge Regulations (Cont'd)

4.5.2 Rate Regulations (Cont'd)

(A) Types of Rates and Charges (Cont'd)

(3) Nonrecurring Charges (Cont'd)

(h) Service Rearrangements (Cont'd)

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

- Change in name or ownership or transfer of responsibility from one customer to another, provided there is no interruption of use or relocation of Switched Access Service,
- Change of customer or customer's end user premise 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 in customer circuit identification,
- Change of billing account number,
- Change of customer testline number,
- Change of customer or customer's end user contact name or telephone number, and
- Change of agency authorization

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4. SWITCHED ACCESS (Cont'd)

4.5 Rate and Charge Regulations (Cont'd)

4.5.2 Rate Regulations (Cont'd)

(A) Types of Rates and Charges (Cont'd)

(3) Nonrecurring Charges (Cont'd)

(h) Service Rearrangements (Cont'd)

If the change involves only rollovers or grooming, then no charges will apply. A rollover is the retermination of a segment of a lower capacity switched transport entrance facility onto a high capacity switched transport entrance facility. The rollover must occur in the wire center when the higher capacity service is multiplexed with no other changes to the lower capacity service being reterminated (i.e., the segment must not require rerouting to connect to the multiplexer of the higher capacity service).

Grooming is the retermination of a lower capacity switched transport entrance facility from one channel in a higher capacity switched transport entrance facility to another channel in another higher capacity switched transport entrance facility (i.e., changes in connecting facility assignment) in the same wire center with no other changes to the lower capacity service.

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4. SWITCHED ACCESS (Cont'd)

4.5 Rate and Charge Regulations (Cont'd)

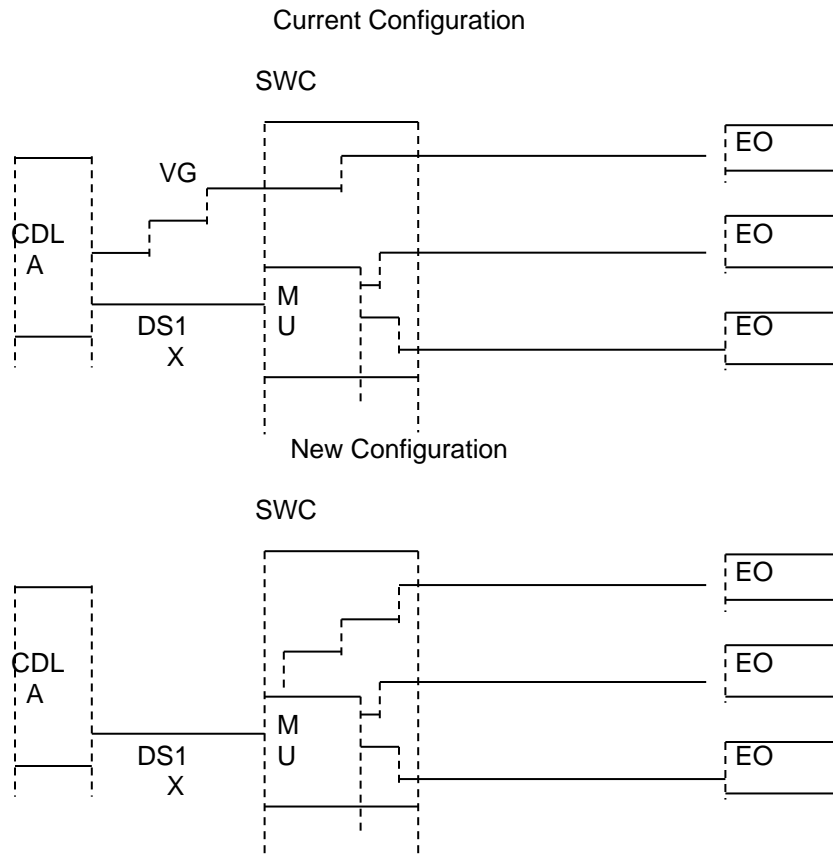
4.5.2 Rate Regulations (Cont'd)

(A) Types of Rates and Charges (Cont'd)

(3) Nonrecurring Charges (Cont'd)

(h) Service Rearrangements (Cont'd)

Example 1 - Rollover of an Entrance Facility



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4. **SWITCHED ACCESS** (Cont'd)

4.5 **Rate and Charge Regulations** (Cont'd)

4.5.2 **Rate Regulations** (Cont'd)

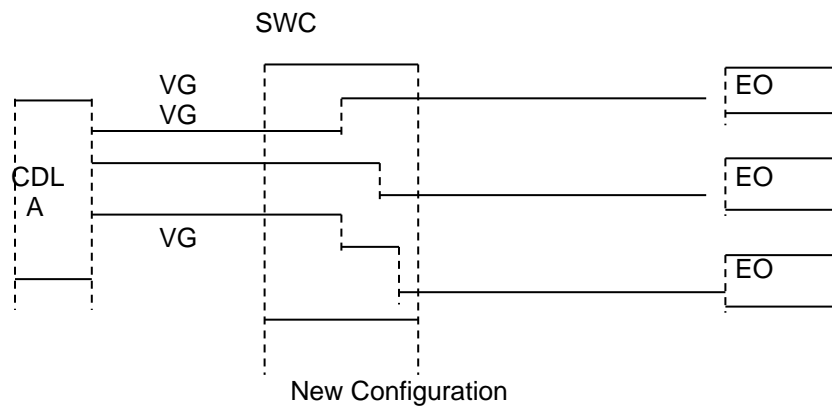
(A) Types of Rates and Charges (Cont'd)

(3) Nonrecurring Charges (Cont'd)

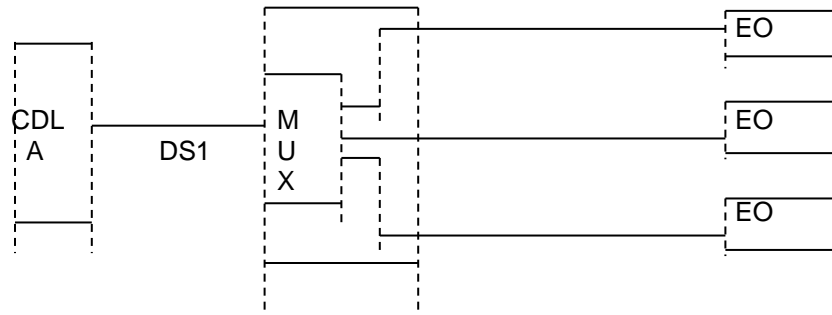
(h) Service Rearrangements (Cont'd)

Example 2 - Rollover of an Entrance Facility

Current Configuration



New Configuration



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4. SWITCHED ACCESS (Cont'd)

4.5 Rate and Charge Regulations (Cont'd)

4.5.2 Rate Regulations (Cont'd)

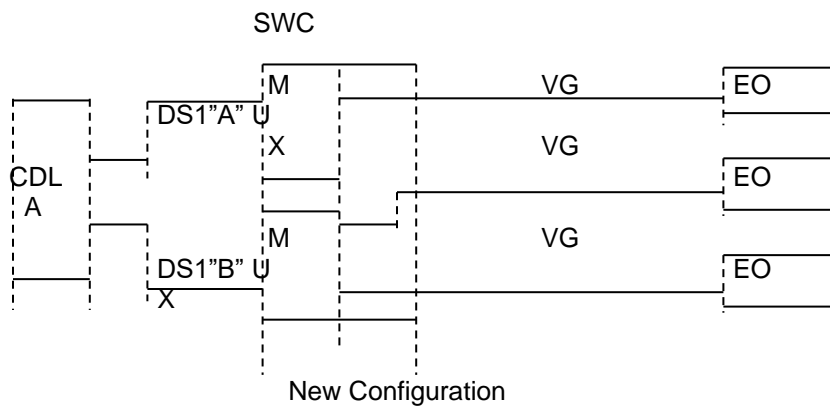
(A) Types of Rates and Charges (Cont'd)

(3) Nonrecurring Charges (Cont'd)

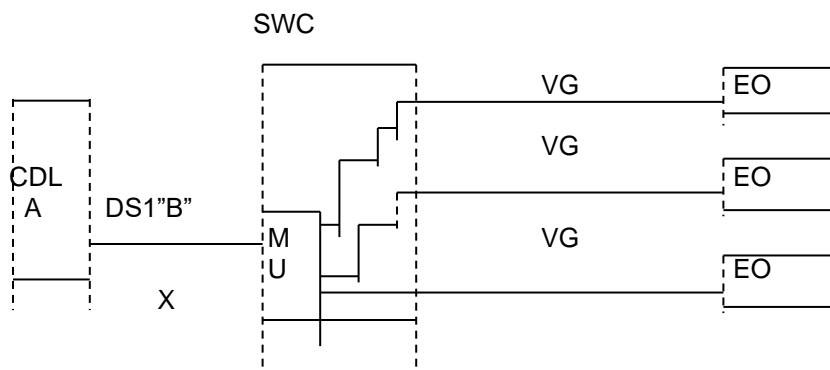
(h) Service Rearrangements (Cont'd)

Grooming of an Entrance Facility

Current Configuration



New Configuration



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**4. SWITCHED ACCESS (Cont'd)****4.5 Rate and Charge Regulations (Cont'd)****4.5.2 Rate Regulations (Cont'd)****(A) Types of Rates and Charges (Cont'd)****(3) Nonrecurring Charges (Cont'd)****(i) Design Change Charge**

A design change is any change to a pending ASR or a change to an existing service which requires engineering review or change. Design changes may include the addition or deletion of End Office Services Optional Arrangements or changes in the signaling arrangements associated with the Interface Arrangements as described in 4.2.3(B). Design changes do not include a change of Switched Access Interface Arrangement or facility type, IC CDL, end user premises, end office switch, or Feature Group type or Basic Serving Arrangement type. Changes of this nature will require the issuance of a new ASR and the cancellation of the original ASR with the appropriate cancellation charges applied.

The Telephone Company will review the requested change, notify the customer whether the change can be accommodated and if a new service date is required. If the customer authorizes the Telephone Company to proceed with the design change, a Design Change Charge will apply.

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4. SWITCHED ACCESS (Cont'd)

4.5 Rate and Charge Regulations (Cont'd)

4.5.2 Rate Regulations (Cont'd)

(A) Types of Rates and Charges (Cont'd)

(3) Nonrecurring Charges (Cont'd)

(i) Design Change Charge (Cont'd)

The Design Change Charge for Switched Access Service in Section 4.6.1(C) will apply on a per ASR per occurrence basis for each request requiring a design change.

The Design Change Charge is in addition to any Switched Installation or Ordering charges associated with the change requested.

If a change of service date is required, the Service Date Change Charge in 3.2.2(A) will also apply.

(j) Installation Charge for FGA or BSA-A Optional Call Blocking Arrangements

This charge applies per FGA or BSA-A line equipped with either of the optional call blocking arrangements in Section 4.2.5(D) and (E); InterMSA Call Denial on Line or Hunt Group or Call Denial on Line or Hunt Group outside the Access Area. This charge applies in addition to applicable Switched Access Ordering Charges.

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4. SWITCHED ACCESS (Cont'd)

4.5 Rate and Charge Regulations (Cont'd)

4.5.2 Rate Regulations (Cont'd)

(A) Types of Rates and Charges (Cont'd)

(3) Nonrecurring Charges (Cont'd)

(k) (Reserved for Future Use)

(l) 0+900 Service

A nonrecurring charge is applicable to the unblocking of 0+900 dialing capability in an end office in addition to the rates and charges applicable to Switched Access service outlined in other sections of this tariff. Switched Access ordering charges also apply. The 0+900 service option is not offered without 1+900 access capability.

Switched Access minutes of use apply to 0+900 usage.

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4. SWITCHED ACCESS (Cont'd)

4.5 Rate and Charge Regulations (Cont'd)

4.5.2 Rate Regulations (Cont'd)

(A) Types of Rates and Charges (Cont'd)

(3) Nonrecurring Charges (Cont'd)

(m) Change of Switched Access Type

Changes from one type of Switched Access to another including the change from Feature Group to Basic Serving Arrangement or the change from Basic Serving Arrangement to Feature Group will be treated as a discontinuance of one type of FIA and start of another. The Switched Access Ordering Charge will apply, with the following exception:

- (1) When a customer upgrades a FGA, FGB, or FGC to a FGD at the same first point of switching, the charge will not apply. If however, optional features are added to the service at the time the conversion takes place, the Ordering Charge for these additions will apply.
- (2) When a customer upgrades a BSA-A, BSA-B, or BSA-C to a BSA-D at the same first point of switching, the charge will not apply. If however, a BSE(s) are added to the service at the time the conversion takes place, the Switched Access Ordering Charge for these additions will apply.

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4. **SWITCHED ACCESS** (Cont'd)

4.5 **Rate and Charge Regulations** (Cont'd)

4.5.2 **Rate Regulations** (Cont'd)

(A) Types of Rates and Charges (Cont'd)

(3) Nonrecurring Charges (Cont'd)

(m) Change of Switched Access Type (Cont'd)

(3) When a customer orders the conversion of FGA to BSA-A, FGB to BSA-B, FGC to BSA-C, or the conversion of FGD to BSA-D at the same first point of switching and without the addition of BSEs not comparable to any optional arrangements already included with the feature group to be converted, the Switched Access Ordering Charge will not apply for a period of 180 days from February 16, 1996.

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4. SWITCHED ACCESS (Cont'd)

4.5 Rate and Charge Regulations (Cont'd)

4.5.2 Rate Regulations (Cont'd)

(A) Types of Rates and Charges (Cont'd)

(3) Nonrecurring Charges (Cont'd)

(m) Change of Switched Access Type (Cont'd)

(4) Where a customer has Feature Group B (FGB) and Feature Group D (FGD) at a Telephone Company access tandem, the following application of charges will apply for end office conversions:

(a) Where FGB Service exists at an end office the customer may retain the FGB Service or upgrade the FGB Service to FGD Service in conjunction with equal access conversion. When the customer requests no physical changes or trunking additions/deletions to the existing facilities, the ordering charge will not apply to retain the existing service or upgrade.

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4. SWITCHED ACCESS (Cont'd)

4.5 Rate and Charge Regulations (Cont'd)

4.5.2 Rate Regulations (Cont'd)

(A) Types of Rates and Charges (Cont'd)

(3) Nonrecurring Charges (Cont'd)

(m) Change of Switched Access Type (Cont'd)

(4) (Cont'd)

(b) Where FGB and/or FGD Service exists at a Telephone Company access tandem but does not exist at an end office and the customer now wants to add FGB and/or FGD to the end office, the ordering charge will apply to add the service when the customer requests no physical changes, additions or deletions to his existing service.

(c) Where FGB and/or FGD Service exists at a Telephone Company access tandem and FGB also exists at the end office and the customer wants to retain the FGB Service but add FGD Service with equal access conversion, the ordering charge will apply to add the FGD Service when the customer requests no physical changes, additions or deletions to his existing service.

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4. SWITCHED ACCESS (Cont'd)

4.5 Rate and Charge Regulations (Cont'd)

4.5.2 Rate Regulations (Cont'd)

(A) Types of Rates and Charges (Cont'd)

(3) Nonrecurring Charges (Cont'd)

(m) Change of Switched Access Type (Cont'd)

(5) Where a customer has a BSA-B and BSA-D at a Telephone Company access tandem, the following application of charges will apply for end office conversions:

(a) Where BSA-B service exists at an end office the customer may retain the BSA-B service or upgrade the BSA-B service to BSA-D service in conjunction with equal access conversion. When the customer requests no physical changes or trunking additions/deletions to the existing facilities, the ordering charge will not apply to retain the existing service or upgrade.

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4. SWITCHED ACCESS (Cont'd)

4.5 Rate and Charge Regulations (Cont'd)

4.5.2 Rate Regulations (Cont'd)

(A) Types of Rates and Charges (Cont'd)

(3) Nonrecurring Charges (Cont'd)

(m) Change of Switched Access Type (Cont'd)

(5) (Cont'd)

(b) Where BSA-B and/or BSA-D service exists at a Telephone Company access tandem but does not exist at an end office, the ordering charge will not apply to add the service when the customer requests no physical changes, additions, or deletions to the customers existing facilities.

(c) Where BSA-B and/or BSA-D service exists at a Telephone Company access tandem and BSA-B also exists at the end office and the customer wants to retain the BSA-B service but add BSA-D service with equal access conversion, the ordering charge will not apply to add the BSA-D service when the customer requests no physical changes, additions, or deletions to the customer's existing facilities.

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4. SWITCHED ACCESS (Cont'd)

4.5 Rate and Charge Regulations (Cont'd)

4.5.2 Rate Regulations (Cont'd)

(A) Types of Rates and Charges (Cont'd)

(3) Nonrecurring Charges (Cont'd)

(n) Moves

A move involves a change in the physical location of the point of termination of Switched Access. A move normally involves an interruption of the Switched Access for the period required to complete the move. The charge for the move depends on whether the move is within the same CDL or to a different CDL.

(1) Same CDL

When the move is to a new point within the same CDL (same address and/or same building), the Switched Access Ordering Charge in 4.6.1(B) will apply. There will be no change in the minimum period requirements. For services subject to payment plan regulations, the same payment plan will remain in force.

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4. **SWITCHED ACCESS** (Cont'd)

4.5 **Rate and Charge Regulations** (Cont'd)

4.5.2 **Rate Regulations** (Cont'd)

(A) Types of Rates and Charges (Cont'd)

(3) Nonrecurring Charges (Cont'd)

(n) Moves (Cont'd)

(2) A Different CDL

When the move is to a different CDL or to an EIS as described in Section 17, it will be treated as a disconnect and an installation of Switched Access. The Switched Access Installation and Ordering charges, as specified in 4.6.1(B) will apply to the Switched Access, installed at the CDL. A new minimum period will also be established for the installed Switched Access. The customer will remain responsible for all remaining minimum period charges associated with the disconnected Switched Access. For services subject to payment plan regulations, the same payment plan will remain in force.

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4. **SWITCHED ACCESS** (Cont'd)

4.5 **Rate and Charge Regulations** (Cont'd)

4.5.2 **Rate Regulations** (Cont'd)

(B) 800/877/888 Data Base Query Service

Query usage charges for 800/877/888 Data Base Query Service shown in 4.6.3(D) apply as follows:

- (1) A Basic 800/877/888 Data Base Query charge will apply for each basic 800, 877 or 888 call query received at the Telephone Company's 800/877/888 data base. Per query charges are accumulated over a monthly period and billed to the customer on a monthly basis.
- (2) A Premium 800/877/888 Data Base Query charge will apply for each premium 800, 877 or 888 call query received at the Telephone Company's 800/877/888 data base. Per query charges are accumulated over a monthly period and billed to the customer on a monthly basis.

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

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

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4. **SWITCHED ACCESS** (Cont'd)

4.5 **Rate and Charge Regulations** (Cont'd)

4.5.2 **Rate Regulations** (Cont'd)

(C) Network Blocking Charge for Tandem-Switched FGB, FGC, FGD, BSA-B, BSA-C, BSA-D and SAC Access Service (Cont'd)

Blocking Thresholds

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

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

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4. **SWITCHED ACCESS (Cont'd)**

4.5 **Rate and Charge Regulations (Cont'd)**

4.5.2 **Rate Regulations (Cont'd)**

(D) **Determination of Intrastate Charges for Mixed Interstate and Intrastate Switched Access**

When mixed interstate and intrastate Switched Access Service is provided, all charges except for the Cross Connect element for EIS, will be prorated based on the jurisdictional distribution of access minutes as in 4.3.2 and 4.3.3. The portion of a Switched Access Service to be charged as intrastate is determined in the following manner:

For usage rated elements, multiply the percent intrastate use times the total usage, either measured or assumed, rounded to whole access minutes times the appropriate tariff rate element.

For monthly and nonrecurring rate elements, multiply the percent intrastate use times the quantity of each chargeable element times the stated tariff rate per element.

The jurisdiction of the Switched Access Cross Connect element will be determined in the same manner as the jurisdiction is determined for Special Access services as described in Section 5.1.6.

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4. **SWITCHED ACCESS** (Cont'd)

4.5 **Rate and Charge Regulations** (Cont'd)

4.5.2 **Rate Regulations** (Cont'd)

(E) Local Dial-It Services

Customers will be billed charges for terminating Switched Access calls to certain community information services, for which rates are applicable under other tariffs of the Company (e.g., 976 Dial-It Network Services).

(F) Local Directory Assistance

Terminating Switched Access calls dialed to local Directory Assistance will be rated under the applicable rates for the Switched Access in 4.6. In addition, the charge per call to Directory Assistance in other tariffs of the Company, may also apply.

(G) (Reserved for Future Use)

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4. **SWITCHED ACCESS** (Cont'd)

4.5 **Rate and Charge Regulations** (Cont'd)

4.5.2 **Rate Regulations** (Cont'd)

(H) Description and Application of Rates

(1) Determination of Premium Rates and Nonpremium Rates

The Interconnection Charge, End Office Switching and Information Surcharge rates are applied either as premium rates or nonpremium rates at the rates set forth in 4.6.

The specific application of premium and nonpremium rates for a specific customer is dependent upon the Feature Group or Basic Serving Arrangement and the availability of equal access capabilities in the end office or the WATS Serving Office to which the service is provided. The Entrance Facility, Direct-Trunked Transport, Tandem-Switched Transport, Multiplexing and Cross Connect rate elements are not subject to premium and nonpremium rating.

Premium rates apply to all FGC, FGD, BSA-C and BSA-D access minutes; to all FGA, FGB, BSA-A, BSA-B and SAC Access Service access minutes that originate from or terminate at end offices or WATS Serving Offices equipped with equal access (i.e., FGD or BSA-D) capabilities; and to all FGB or BSA-B access minutes that terminate at end offices not equipped with equal access, when the service is provided to customers who furnish MTS and WATS. Premium rates also apply to switched access minutes that originate or terminate at a Mobile Telephone Switching Office (MTSO) directly interconnected to a

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4. SWITCHED ACCESS (Cont'd)

4.5 Rate and Charge Regulations (Cont'd)

4.5.2 Rate Regulations (Cont'd)

(H) Description and Application of Rates (Cont'd)

(1) Determination of Premium Rates and Nonpremium Rates (Cont'd)

Telephone Company access tandem office or to an equal access type end office.

Premium rates apply to all BSEs provided at end offices and access tandems equipped with equal access and to all BSEs provided in conjunction with BSA-B access minutes that terminate at end offices not equipped with equal access, when the service is provided to customers who furnish MTS and WATS.

Nonpremium rates (i.e., discounted access minute rates) apply to all FGA, FGB, BSA-A, BSA-B and SAC Access Service access minutes (measured or assumed) that originate from or terminate at end offices or WATS Serving Offices which are not equipped with equal access capabilities, except for FGB or BSA-B terminating access minutes generated by providers of MTS and WATS.

Nonpremium rates apply to all BSEs provided at end offices or access tandems not equipped with equal access except when such BSEs are provided in conjunction with BSA-B access minutes that terminate at end offices not equipped with equal access, when the service is provided to customers who furnish MTS and WATS.

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4. SWITCHED ACCESS (Cont'd)

4.5 Rate and Charge Regulations (Cont'd)

4.5.2 Rate Regulations (Cont'd)

(H) Description and Application of Rates (Cont'd)

(1) Determination of Premium Rates and Nonpremium Rates (Cont'd)

Nonpremium rates also apply to switched access minutes of use that originate/terminate at a MTSO directly interconnected to a Telephone Company nonequal access type end office.

When an Access Area has a mixture of equal access and nonequal access end offices and end office specific usage measurement is not available, the provisions in 4.5.2(H)(6) will be used to determine the application of premium rates or nonpremium rates.

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4. SWITCHED ACCESS (Cont'd)

4.5 Rate and Charge Regulations (Cont'd)

4.5.2 Rate Regulations (Cont'd)

(H) Description and Application of Rates (Cont'd)

(2) Switched Transport

The Switched Transport is determined as follows:

- (a) The Tandem-Switched Transport - Facility rate is applied per access minute per airline mile for each Switched Access Feature Group or Basic Serving Arrangement type. Tandem-Switched Transport - Facility airline mileage will be determined as follows:

Where Direct-Trunked Transport is ordered between a serving wire center and an access tandem, and Tandem-Switched Transport is ordered to subtending end offices, mileage will be measured from the access tandem to the end office or WSO (for WATS and WATS-type).

When the end office is acting as a host office, a separate mileage calculation determines the mileage from the host office to the remote office. Traffic originating from and/or terminating to the remote will be billed Tandem-Switched Transport charges. The Tandem Switching charge does not apply to traffic between a host and remote office.

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4. SWITCHED ACCESS (Cont'd)

4.5 Rate and Charge Regulations (Cont'd)

4.5.2 Rate Regulations (Cont'd)

(H) Description and Application of Rates (Cont'd)

(2) Switched Transport (Cont'd)

(a) (Cont'd)

The V & H coordinate method is used to determine the actual mileage as set forth in NECA, Inc.'s Tariff FCC No. 4. If the calculated miles include a fraction, the value is always rounded up to the next full mile.

Switched Transport rates apply to the switched access minutes of use that originate/terminate at a MTSO directly connected to a Telephone Company access tandem or end office. Where the connection is made directly to an end office, Switched Transport rates (Tandem-Switched Transport or Direct-Trunked Transport, as ordered by the customer) shall apply between the end office and the serving wire center of the customer. Where the connection is made directly to an access tandem, Direct-Trunked Transport shall apply between the access tandem and the serving wire center of the customer. The Tandem Switching charge shall apply to all minutes of use where the MTSO connection is made directly to an access tandem.

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4. SWITCHED ACCESS (Cont'd)

4.5 Rate and Charge Regulations (Cont'd)

4.5.2 Rate Regulations (Cont'd)

(H) Description and Application of Rates (Cont'd)

(2) Switched Transport (Cont'd)

(a) (Cont'd)

Where Tandem-Switched Transport - Facility is provided by more than one telephone company, the mileage for each will be determined as in 2.7.

The Tandem-Switched Transport - Facility rate will not apply if the CDL serving wire center and the end office are co-located (where  $V/H - V/H = 0$ ).

- (b) The Tandem-Switched Transport - Termination rate applies per access minute for each termination (i.e., the access tandem and the end office serving the end user, and the host and remote end office) for all Switched Access Feature Group or Basic Serving Arrangement types.

When both terminations are provided by the Telephone Company, the Tandem-Switched Transport - Termination rate applies twice, including those situations when the terminations are co-located.

When both terminations are provided by the Telephone Company and traffic originates from or terminates to a remote office, the Tandem-Switched Transport-Termination rate applies four times (i.e., for each termination from the access tandem to the host and for each termination from the host to the remote office).

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4. **SWITCHED ACCESS** (Cont'd)

4.5 **Rate and Charge Regulations** (Cont'd)

4.5.2 **Rate Regulations** (Cont'd)

(H) **Description and Application of Rates** (Cont'd)

(2) **Switched Transport** (Cont'd)

(b) (Cont'd)

The Tandem-Switched Transport - Termination rate applies to switched access minutes of use that originate/terminate at a MTSO directly interconnected to a Telephone Company access tandem or end office.

Where the Tandem-Switched Transport - Facility is provided by more than one telephone company, the Tandem-Switched Transport - Termination rate applies for the termination (i.e., the access tandem or the end office serving the end user) at the Telephone Company end of the Switched Transport as in 2.7. The Tandem-Switched Transport - Termination rate will not apply when the Telephone Company is the intermediate provider of the Tandem-Switched Transport - Facility.

For Tandem-Switched Transport, a Shared Multiplexing Rate will be assessed on all access minutes that traverse a common trunk group from the Telephone Company Access Tandem to an end office.

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4. SWITCHED ACCESS (Cont'd)

4.5 Rate and Charge Regulations (Cont'd)

4.5.2 Rate Regulations (Cont'd)

(H) Description and Application of Rates (Cont'd)

(2) Switched Transport (Cont'd)

- (c) For FGA or BSA-A, the Entrance Facility charge shall apply between the CDL and the serving wire center of the CDL. If the serving wire center is not the dial tone office, Direct-Trunked Transport shall apply between the serving wire center and the dial tone office. Tandem-Switched Transport (Facility and Termination) rates, excluding the Tandem Switching charge and the Shared Multiplexing charge, shall apply between the dial tone office and the end office for FGA or BSA-A traffic that originated and/or terminated within the FGA or BSA-A Access Area. For FGA or BSA-A traffic that terminates beyond the FGA or BSA-A Access Area, Switched Transport rates apply as described in 4.5.2.

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4. SWITCHED ACCESS (Cont'd)

4.5 Rate and Charge Regulations (Cont'd)

4.5.2 Rate Regulations (Cont'd)

(H) Description and Application of Rates (Cont'd)

(2) Switched Transport (Cont'd)

- (d) The Direct-Trunked Transport rate is applied on a monthly airline mile and termination basis, except that Direct-Trunked Voiceband Transport is applied on a monthly airline mile basis only.

To determine the Direct-Trunked Transport airline mileage, the distance will be measured from the wire center that normally services the CDL to the access tandem, end office, WSO (for WATS and WATS-type), or the end office that serves as the host for a remote office. The V&H coordinate method is used to determine the actual mileage as set forth in NECA Inc.'s Tariff FCC No. 4. If the calculated miles include a fraction, the value is rounded up to the next full mile.

For traffic originating from or terminating to a remote office, the mileage will be calculated separately from the end office switch that serves as the host to the remote using the V&H coordinates method. The Direct-Trunked Transport Rate applies from the customer's serving wire center to the end office that serves as the host office. Traffic originating from and/or terminating to the remote will be

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4. SWITCHED ACCESS (Cont'd)

4.5 Rate and Charge Regulations (Cont'd)

4.5.2 Rate Regulations (Cont'd)

(H) Description and Application of Rates (Cont'd)

(2) Switched Transport (Cont'd)

(d) (Cont'd)

billed Tandem-Switched Transport charges based on mileage between the host and remote office. The Tandem-Switched Transport-Termination Charge is applicable for each termination between the host and remote office. The Tandem Switching Charge is not applicable for Tandem-Switched Transport between the end office that serves as the host to the remote office.

When Telephone Company Hubs are involved, mileage is computed and rates applied separately for each section of the Direct-Trunked Transport, i.e., customer serving wire center to Hub, Hub to Hub, Hub to Tandem or Hub to end office.

Where Direct-Trunked Transport includes termination rates, i.e., High Capacity DS1 and DS3 transport, one Termination rate applies for the termination of each end of the interoffice facility.

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4. **SWITCHED ACCESS** (Cont'd)

4.5 **Rate and Charge Regulations** (Cont'd)

4.5.2 **Rate Regulations** (Cont'd)

(H) **Description and Application of Rates** (Cont'd)

(2) **Switched Transport** (Cont'd)

- (e) The Entrance Facility rate is a flat-rated charge assessed per Voiceband, DS1 or DS3 termination at the CDL. This charge will apply even if the CDL and the serving wire center are co-located in a Telephone Company building.

For DS1 Entrance Facilities, a "First System" charge is assessed per Entrance Facility for the first DS1 ordered. When the same customer requests additional DS1 service on the same ASR to be installed at the same time between the same CDL and serving wire center, the "Additional System" charge will apply.

- (f) The Tandem Switching rate is usage-sensitive and is applied per access minute to all feature groups for Tandem-Switched Transport with two exceptions. The Tandem-Switching Rate is not applicable for Tandem-Switched Transport between a host office and a remote office, nor is it applicable for FGA or BSA-A.

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4. **SWITCHED ACCESS** (Cont'd)

4.5 **Rate and Charge Regulations** (Cont'd)

4.5.2 **Rate Regulations** (Cont'd)

(H) Description and Application of Rates (Cont'd)

(2) Switched Transport (Cont'd)

- (g) The Interconnection rate is usage-sensitive and is applied per access minute to all feature groups that utilize the Telephone Company's switched access network. It applies to all minutes of use whether transported via Direct-Trunked Transport, Tandem-Switched Transport, Entrance Facilities or Switched Access EIS Cross Connect arrangements.

The Interconnection Rate has two rate levels. One rate applies to customers utilizing Telephone Company Transport and a different rate is applicable to Switched Access EIS Cross Connect arrangements.

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4. **SWITCHED ACCESS** (Cont'd)

4.5 **Rate and Charge Regulations** (Cont'd)

4.5.2 **Rate Regulations** (Cont'd)

(H) **Description and Application of Rates** (Cont'd)

(2) **Switched Transport** (Cont'd)

- (h) When the Alternate Traffic Routing optional arrangement is provided in conjunction with Feature Groups B and D or BSA-B and BSA-D and the end office or access tandem switch is unable to determine the specific trunk group carrying alternate routed traffic to multiple CDLs, switched transport access minutes will be apportioned among the number of trunk groups utilized to provide this optional arrangement. Such apportionment will occur through the application of Percent Traffic Routed (PTR) values provided by the customer on the ASR. The PTR value for each trunk group, the percentage of total traffic to be attributed to each trunk group, will be determined by dividing the BHMC for each trunk group by the total BHMC for all trunk groups carrying alternate routed traffic. The resulting percentage, or PTR value, for each trunk group will be multiplied times the total alternate routed traffic quantity to apportion usage to the individual trunk group. This apportionment will serve as the basis for the switched transport mileage calculation for alternate routed originating traffic as described herein.

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**4. SWITCHED ACCESS (Cont'd)****4.5 Rate and Charge Regulations (Cont'd)****4.5.2 Rate Regulations (Cont'd)****(H) Description and Application of Rates (Cont'd)****(2) Switched Transport (Cont'd)****(h) (Cont'd)**

When Feature Group B or D or BSA-B or BSA-D Switched Access service is terminated from multiple CDLs through an access tandem or is terminated from multiple CDLs directly to an end office and the end office or access tandem switch is unable to determine the specific trunk group carrying such terminating traffic, switched transport access minutes will be apportioned among the number of trunk groups carrying such terminating traffic. Such apportionment will occur through the application of PTR values provided by the customer on the ASR. The PTR value for each trunk group will be determined by dividing the BHMC for each trunk group by the total BHMC for all trunk groups carrying such terminating traffic. The resulting PTR value for each trunk group will be multiplied times the total terminating traffic quantity to apportion usage to the individual trunk group. This apportionment will serve as the basis for the switched transport mileage calculation for traffic terminating from multiple CDLs as described herein.

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4. SWITCHED ACCESS (Cont'd)

4.5 Rate and Charge Regulations (Cont'd)

4.5.2 Rate Regulations (Cont'd)

(H) Description and Application of Rates (Cont'd)

(2) Switched Transport (Cont'd)

(h) (Cont'd)

The PTR values as described herein must be included on any ASR establishing or changing any Switched Access service arrangement requiring the use of PTRs. The notation of such PTR values on ASRs must indicate whether the PTR will be used to apportion alternate routed originating traffic to multiple CDLs or to apportion traffic terminating from multiple CDLs. The Telephone Company may conduct verification audits, not to exceed one each year, for each customer, and for each location. Such audits may be conducted by independent auditors if the Telephone Company and the customer, or the customer alone, is willing to pay the expense.

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4. SWITCHED ACCESS (Cont'd)

4.5 Rate and Charge Regulations (Cont'd)

4.5.2 Rate Regulations (Cont'd)

(H) Description and Application of Rates (Cont'd)

(3) Extended FGA and BSA-A Terminating Traffic

(a) For calls established on a 1+ or expanded seven digit measured calling basis, outside the specific FGA or BSA-A Access Area, however inside the MSA, in conjunction with terminating FGA or BSA-A traffic to an end office, the following rates apply:

- for each access minute, the rates per access minute for End Office Switching, in 4.6.3, the Information Surcharge in 4.6.4, and the Interconnection Charge in 4.6.2.
- for each access minute, the Tandem-Switched Transport Facility rate per access minute per airline mile in 4.6.2 and the Tandem-Switched Transport - Termination in 4.6.2.

When the serving wire center of the CDL is the dial tone office, the Tandem-Switched Transport - Facility rate is applicable and mileage is measured from the serving wire center (i.e., the dial tone office) of the CDL to the end office.

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4. **SWITCHED ACCESS** (Cont'd)

4.5 **Rate and Charge Regulations** (Cont'd)

4.5.2 **Rate Regulations** (Cont'd)

(H) **Description and Application of Rates** (Cont'd)

(3) **Extended FGA and BSA-A Terminating Traffic** (Cont'd)

(a) (Cont'd)

When the serving wire center of the CDL is not the dial tone office, the Direct-Trunked Transport rate is applicable for mileage measured between the serving wire center of the CDL and the dial tone office. The Tandem-Switched Transport - Facility rate is applicable for mileage measured between the dial tone office and the end office.

The Tandem Switching rate is not applicable for Extended FGA or BSA-A terminating traffic.

(b) (Reserved for Future Use)

(c) When FGA or BSA-A terminating traffic is extended outside the MSA as in 4.2.4(B)(6), Switched Access rate elements, in 4.6.3 and 4.6.4, will be billed to the FGA or BSA-A customer for the terminating interMSA access function provided via the FGA or BSA-A connection, and Switched Access rate elements, in 4.6.2(A) and (B), 4.6.3 and 4.6.4, will be billed to the IC providing the interMSA service to the FGA or BSA-A customer for the originating InterMSA access function.

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4. SWITCHED ACCESS (Cont'd)

4.5 Rate and Charge Regulations (Cont'd)

4.5.2 Rate Regulations (Cont'd)

(H) Description and Application of Rates (Cont'd)

(4) Equal Access Notification

The Telephone Company will provide written notification to all of its customers of record operating within a particular MSA that an end office in that MSA is scheduled to be converted to an equal access end office. This notification will be sent, via U.S. Mail, to each telephone company customer of record operating in the MSA where the conversion is scheduled to occur, at least twelve months in advance of the conversion date.

The customer will have the choice of converting existing services to equal access (i.e., Feature Group D or BSA-D) at no charge or retaining the existing services (with the exception of FGC or BSA-C).

Where a customer has Feature Group B (FGB) and Feature Group D (FGD) at a Telephone Company access tandem, the following application of charges will apply for end office conversions:

- (a) Where FGB Service exists at an end office the customer may retain the FGB Service or upgrade the FGB Service to FGD Service in conjunction with equal access conversion. When the customer requests no physical changes or trunking additions/deletions to the existing facilities, the ordering charge will not apply to retain the existing service or upgrade.

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4. SWITCHED ACCESS (Cont'd)

4.5 Rate and Charge Regulations (Cont'd)

4.5.2 Rate Regulations (Cont'd)

(H) Description and Application of Rates (Cont'd)

(4) Equal Access Notification (Cont'd)

- (b) Where FGB and/or FGD Service exists at a Telephone Company access tandem but does not exist at an end office and the customer now wants to add FGB and/or FGD to the end office, the ordering charge will apply to add the service when the customer requests no physical changes, additions or deletions to his existing service.
- (c) Where FGB and/or FGD Service exists at a Telephone Company access tandem and FGB also exists at the end office and the customer wants to retain the FGB Service but add FGD Service with equal access conversion, the ordering charge will apply to add the FGD Service when the customer requests no physical changes, additions or deletions to his existing service.

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4. **SWITCHED ACCESS** (Cont'd)

4.5 **Rate and Charge Regulations** (Cont'd)

4.5.2 **Rate Regulations** (Cont'd)

(H) **Description and Application of Rates** (Cont'd)

(4) **Equal Access Notification** (Cont'd)

Where a customer has BSA-B and BSA-D at a Telephone Company access tandem, the following application of charges will apply for end office conversions:

- (a) Where BSA-B service exists at an end office the customer may retain the BSA-B service or upgrade the BSA-B service to BSA-D service in conjunction with equal access conversion. When the customer requests no physical changes or trunking additions/deletions to the existing facilities, the ordering charge will not apply to retain the existing service or upgrade.
- (b) Where BSA-B and/or BSA-D service exists at a Telephone Company access tandem but does not exist at an end office and the customer now wants to add BSA-B and/or BSA-D to the end office, the ordering charge will not apply to add the service when the customer requests no physical changes, additions, or deletions to the customer's existing facilities.
- (c) Where BSA-B and/or BSA-D service exists at a Telephone Company access tandem and BSA-B also exists at the end office and the customer wants to retain the BSA-B service but add BSA-D service with equal access conversion, the ordering charge will not apply to add the BSA-D service when the customer requests no physical changes, additions, or deletions to the customer's existing facility.

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4. **SWITCHED ACCESS** (Cont'd)

4.5 **Rate and Charge Regulations** (Cont'd)

4.5.2 **Rate Regulations** (Cont'd)

(H) **Description and Application of Rates** (Cont'd)

(5) **End Office Switching**

End Office Switching is available on a bundled or unbundled basis. End Office Switching - Bundled (EOSB) rates apply to Switched Access services provided as Feature Groups. End Office Switching - Unbundled (EOSU) rates apply to Switched Access services provided as Basic Serving Arrangements.

Rates for end office switching 1 (EOS1) and end office switching 2 (EOS2) will apply as follows:

- (a) FGA and BSA-A customers will pay the EOS1 rate for all FGA or BSA-A access minutes originating from or terminating at that end office except as in (f).
- (b) FGB or BSA-B customers with no FGD or BSA-D service provided at the same end office will pay the EOS1 rate for all FGB or BSA-B access minutes originating from or terminating at that end office except as in (f).
- (c) FGB or BSA-B customers with FGD or BSA-D service provided at the same end office will pay the EOS1 rate for FGB or BSA-B access minutes originating from that end office and the EOS2 rate for FGB or BSA-B access minutes terminating at that end office.

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4. SWITCHED ACCESS (Cont'd)

4.5 Rate and Charge Regulations (Cont'd)

4.5.2 Rate Regulations (Cont'd)

(H) Description and Application of Rates (Cont'd)

(5) End Office Switching (Cont'd)

- (d) FGD or BSA-D customers will pay the EOS2 rate for all FGD or BSA-D access minutes originating from or terminating at that end office.
- (e) SAC Access Service customers will pay the EOS2 rate for all SAC Access minutes originating from that end office.
- (f) When FGA or BSA-A, or FGB or BSA-B, is used for terminating WATS or WATS-type services, the customer will pay the EOS2 rate for all terminating access minutes.
- (g) End Office Switching rates do not apply to switched access minutes of use that originate or terminate at MTSOs directly interconnected to a Telephone Company access tandem office.

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**4. SWITCHED ACCESS (Cont'd)****4.5 Rate and Charge Regulations (Cont'd)****4.5.2 Rate Regulations (Cont'd)****(H) Description and Application of Rates (Cont'd)****(6) (Reserved for Future Use)****(7) Tandem Switch Signaling (TSS)**

TSS will be provided via FGD or BSA-D Switched Access or 500 SAC Access or 900 SAC Access Service with either multifrequency (MF) address signaling or SS7 Out of Band Signaling. TSS is available with originating calling only, terminating calling only, or, where available, two-way calling trunks. TSS two-way calling trunks are only available from end offices where the switch technology is capable of measuring the terminating usage on two-way TSS equipped trunks. Where the end office switch technology is not capable of measuring terminating usage on two-way calling TSS equipped trunks, the customer must order originating calling only or terminating calling only trunks for use with TSS.

Switched Access connections to the customer's access tandem location(s) shall be via Direct-Trunked Transport, Entrance Facility and/or a customer's transmission equipment and facilities using DS1 or DS3 Cross Connect arrangement where the customer is provided Expanded Interconnection Service as described in Section 17. The Switched Access Entrance Facility provides the facility, including interface arrangement, between the point of termination at the customer designated location and the

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**4. SWITCHED ACCESS (Cont'd)****4.5 Rate and Charge Regulations (Cont'd)****4.5.2 Rate Regulations (Cont'd)****(H) Description and Application of Rates (Cont'd)****(7) Tandem Switch Signaling (TSS) (Cont'd)**

Telephone Company's serving wire center. Direct-Trunked Transport provides the interoffice facilities dedicated to a single customer between the serving wire center and end offices. TSS is not available via a Telephone Company access tandem. The facilities ordered by the customer for connectivity from the customer's access tandem to an IC's CDL is provided via Special Access facilities as described in Section 5.

- For originating usage the owner of the carrier identification code will be billed for all usage.
- For terminating usage all associated Switched Access usage charges are the responsibility of the TSS customer. At the TSS customer's request, the Telephone Company will bill each of the TSS customer's users directly for their respective usage, if the TSS customer agrees to furnish the Telephone Company, free of charge, the call detail information necessary to bill its users. This call detail information must be provided daily for the previous day's usage in industry standard format (i.e., 1101-20 Expanded Message Record format with end office level detail). The information must be provided by either electronic transmission or magnetic tape as specified by the Telephone Company.

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4. SWITCHED ACCESS (Cont'd)

4.5 Rate and Charge Regulations (Cont'd)

4.5.2 Rate Regulations (Cont'd)

(H) Description and Application of Rates (Cont'd)

(7) Tandem Switch Signaling (TSS) (Cont'd)

If the TSS customer fails to provide the call detail information or fails to provide the information in the required format within 30 days from the call activity date, then the TSS customer will be billed for that day's usage. Where the total usage measured by the Telephone Company differs from the total amount of usage provided by the TSS customer's call detail information, the Telephone Company will work cooperatively with the TSS customer to resolve the discrepancies.

The TSS customer must retain documentation in support of the billing information for a period of fifteen months after submission of the billing tapes to the Telephone Company. The Telephone Company reserves the right to audit billing tape information upon 30 day's notice to the TSS customer. In the event of a discrepancy, if final agreement cannot be reached, charges will be billed based on the results of the audit.

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**4. SWITCHED ACCESS (Cont'd)****4.5 Rate and Charge Regulations (Cont'd)****4.5.2 Rate Regulations (Cont'd)****(H) Description and Application of Rates (Cont'd)****(8) NXX Translation Nonrecurring Charge**

The NXX Translation Nonrecurring Charge, as set forth in 4.6.1, shall apply to each 500 NXX code activated or deactivated in a Telephone Company switch capable of performing the Customer Identification Function for 500 SAC Access Service. The total nonrecurring charge per customer order shall be determined by multiplying the number of switches in which the Telephone Company must activate or deactivate the NXX code within the serving area specified by the customer's order times the appropriate nonrecurring charge. Separate nonrecurring charges apply to the activation or deactivation of the first NXX code contained on the customer's ASR and to the activation or deactivation of each additional NXX code contained on the same ASR. In addition, the Switched Access Ordering Charge, as set forth in 4.6.1 will apply per ASR submitted for the activation or deactivation of NXX codes.

**(9) Dedicated Trunk Port Charge**

The Dedicated Trunk Port charge, as set forth in 4.6.2, shall apply for termination of a dedicated trunk at the access tandem or an end office. It is flat rated and is assessed per voicegrade or DS1 channel terminating at an end office or access tandem.

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4. SWITCHED ACCESS (Cont'd)

4.5 Rate and Charge Regulations (Cont'd)

4.5.2 Rate Regulations (Cont'd)

(H) Description and Application of Rates (Cont'd)

(10) Shared Trunk Port Charge

The Shared Trunk Port, as set forth in 4.6.3(E), provides for the termination of a Tandem-Switched Trunk at an end office. The Shared Trunk Port is usage rated and shall be assessed to all access minutes which utilize Tandem-Switched Transport. This includes minutes of use associated with FGA service when traffic is terminated in an end office that is not the dial tone office and on minutes of use provided at a remote office.

The Shared Trunk Port charge does not apply to switched access minutes of use that originate or terminate at MTSOs directly interconnected to a Telephone Company access tandem.

When the Tandem-Switched Transport is provided by more than one telephone company, the Shared Trunk Port charge shall be billed by the Telephone Company in whose territory the end office is located, as in 2.7.3(G).

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4. SWITCHED ACCESS (Cont'd)

4.5 Rate and Charge Regulations (Cont'd)

4.5.2 Rate Regulations (Cont'd)

(H) Description and Application of Rates (Cont'd)

(11) Reserved For Future Use

(T)  
(D)

(D)

(I) Measuring Access Minutes

Customer traffic to end offices will be measured (i.e., recorded or assumed) by the Telephone Company at end office switches or Telephone Company access tandem switches. Originating and terminating calls will be measured (i.e., recorded or assumed) by the Telephone Company to determine the basis for computing chargeable access minutes. For terminating calls over FGA, FGB, FGC, BSA-A, BSA-B, BSA-C (to SAC and Directory Assistance Services) and FGD and BSA-D, the measured access minutes are the chargeable access minutes. For originating calls over FGA, FGB, BSA-A and BSA-B, the measured access minutes are the chargeable access minutes.

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4. **SWITCHED ACCESS** (Cont'd)

4.5 **Rate and Charge Regulations** (Cont'd)

4.5.2 **Rate Regulations** (Cont'd)

(I) **Measuring Access Minutes** (Cont'd)

For originating calls over FGC or BSA-C, chargeable access minutes are derived from measured access minutes through the use of a Telephone Company factor. A description of the factor is in (4).

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

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

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

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4. SWITCHED ACCESS (Cont'd)

4.5 Rate and Charge Regulations (Cont'd)

4.5.2 Rate Regulations (Cont'd)

(I) Measuring Access Minutes (Cont'd)

(1) FGA and BSA-A Usage Measurement

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

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

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

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4. **SWITCHED ACCESS** (Cont'd)

4.5 **Rate and Charge Regulations** (Cont'd)

4.5.2 **Rate Regulations** (Cont'd)

(1) **Measuring Access Minutes** (Cont'd)

(2) **FGB and BSA-B Usage Measurement**

For originating calls over FGB or BSA-B, usage measurement begins when the FGB or BSA-B first point of switching receives the first acknowledgement from the CDL, indicating the customer's equipment has answered.

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

For terminating calls over FGB or BSA-B, usage measurement begins when the FGB or BSA-B first point of switching receives answer supervision from the end office switch, indicating the terminating end user has answered.

The measurement of terminating call usage over FGB or BSA-B ends when the FGB or BSA-B first point of switching receives disconnect supervision from either the end office switch, indicating the terminating end user has disconnected, or the CDL, whichever is recognized first by the first point of switching.

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4. **SWITCHED ACCESS** (Cont'd)

4.5 **Rate and Charge Regulations** (Cont'd)

4.5.2 **Rate Regulations** (Cont'd)

(I) **Measuring Access Minutes** (Cont'd)

(3) **Usage Measurement Not Available for FGA, FGB, BSA-A and BSA-B**

When originating and/or terminating measurement capability does not exist, the number of access minutes per FGA or BSA-A line or FGB or BSA-B trunk, per month, will be assumed based on the following:

- A single monthly surrogate of assumed minutes per two-way line/trunk per month shall apply as in 4.6.7. For FGA or BSA-A lines, the terminating assumed usage will be 47% of the two-way surrogate and the originating assumed usage will be 53% of the two-way surrogate. For FGB or BSA-B trunks, the terminating assumed usage will be one half of the two-way surrogate and the originating will be one half of the two-way surrogate.
- When measurement capabilities do not exist for a one way FGA or BSA-A line or FGB or BSA-B trunk, a single monthly surrogate of assumed minutes per one way line/trunk per month shall apply as in 4.6.9.

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4. SWITCHED ACCESS (Cont'd)

4.5 Rate and Charge Regulations (Cont'd)

4.5.2 Rate Regulations (Cont'd)

(l) Measuring Access Minutes (Cont'd)

(3) Usage Measurement Not Available for FGA, FGB, BSA-A and BSA-B (Cont'd)

- When measurement capabilities do not exist in one direction for a two-way line (e.g., recording for terminating only) the number of access minutes per line, per month will be the assumed surrogate for a two-way line or the recorded usage for the single direction, whichever is greater.
- In the event of measurement equipment failure, minutes of use will be determined as follows:

For the initial month of service, FGA, FGB, BSA-A or BSA-B minutes will be assumed as indicated above unless actual usage recorded prior to the failure is greater than the assumed usage.

For subsequent months, the greater of 1) actual usage recorded prior to the failure, or 2) the average of the three month current month's usage (or less if three months are not available) will be used.

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**4. SWITCHED ACCESS (Cont'd)****4.5 Rate and Charge Regulations (Cont'd)****4.5.2 Rate Regulations (Cont'd)****(I) Measuring Access Minutes (Cont'd)****(4) FGC and BSA-C Usage Measurement**

For originating calls over FGC or BSA-C, usage measurement begins when the originating FGC or BSA-C first point of switching receives answer supervision from the CDL, indicating the called party has answered. However, for billing purposes usage begins at the time that the originating end user's call is delivered by the Telephone Company, and acknowledged as received by the customer's facilities connected with the originating central office.

For originating calls over FGC or BSA-C, measured access minutes are converted into chargeable access minutes using the following equation and factor:

Originating Minutes = Conversation minutes  
+ (factor x quantity of completed calls).

Factor = non-conversation minutes per  
completed call + [(non-conversation minutes  
per incompleted call) x (1 - completion ratio)  
divided by completion ratio]

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

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4. **SWITCHED ACCESS** (Cont'd)

4.5 **Rate and Charge Regulations** (Cont'd)

4.5.2 **Rate Regulations** (Cont'd)

(I) **Measuring Access Minutes** (Cont'd)

(4) **FGC and BSA-C Usage Measurement** (Cont'd)

For terminating calls over FGC or BSA-C to services other than SAC Access or Directory Assistance, terminating FGC or BSA-C usage is not directly measured at the first point of switching, but is derived from originating usage, excluding usage from calls to SAC Access or Directory Assistance Services.

Terminating call usage over FGC or BSA-C, other than SAC Access and Directory Assistance, is derived from originating usage as follows:

Terminating Minutes = Originating conversation minutes x In/Out ratio.

In/Out Ratio = Relationship between originating (i.e., Out) and terminating (i.e., In) conversation minutes

For terminating calls over FGC or BSA-C to SAC Access or Directory Assistance Service, usage measurement begins when the FGC or BSA-C first point of switching receives answer supervision from the end office switch, indicating the terminating SAC Access Service end user has answered, or from the Directory Assistance Service location, indicating the Directory Assistance operator has answered.

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4. **SWITCHED ACCESS (Cont'd)**

4.5 **Rate and Charge Regulations (Cont'd)**

4.5.2 **Rate Regulations (Cont'd)**

(I) **Measuring Access Minutes (Cont'd)**

(4) **FGC and BSA-C Usage Measurement (Cont'd)**

The measurement of terminating call usage over FGC or BSA-C to SAC Access or Directory Assistance Services ends when the FGC or BSA-C first point of switching receives an on-hook supervisory signal from the end office switch, indicating the terminating SAC Access Service end user has disconnected, or from the Directory Assistance location, indicating the Directory Assistance operator has disconnected, or from the CDL, whichever occurs first.

(5) **FGD and BSA-D Usage Measurement**

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

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

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4. SWITCHED ACCESS (Cont'd)

4.5 Rate and Charge Regulations (Cont'd)

4.5.2 Rate Regulations (Cont'd)

(I) Measuring Access Minutes (Cont'd)

(5) FGD and BSA-D Usage Measurement (Cont'd)

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

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

For terminating calls over FGD or BSA-D, with either MF or SS7 Out of Band Signaling, usage measurement begins when the FGD or BSA-D first point of switching receives answer supervision from the end office switch, indicating the terminating end user has answered.

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

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4. **SWITCHED ACCESS** (Cont'd)

4.5 **Rate and Charge Regulations** (Cont'd)

4.5.2 **Rate Regulations** (Cont'd)

(I) **Measuring Access Minutes** (Cont'd)

(5) **FGD and BSA-D Usage Measurement**

The measurement of terminating call usage over FGD or BSA-D with SS7 Out of Band Signaling ends when the FGD or BSA-D first point of switching receives or sends a Release Message, whichever occurs first.

(6) **Usage Measurement Not Available for FGC, BSA-C, FGD and BSA-D**

In the event the customer message detail is not available because the Telephone Company lost or damaged tapes or experienced recording system outages, the Telephone Company will estimate the volume of lost customer access minutes of use based on previous actual recorded usage.

(7) **SAC Access Service Usage Measurement**

SAC Access Service usage measurement shall be in accordance with the regulations set forth for FGC, FGD, BSA-C and BSA-D. Specifically, for usage originating from end offices not equipped with equal access capabilities, access minutes shall be measured in the same manner in which FGC or BSA-C access minutes are measured. For usage originating from end offices equipped with equal access capabilities, access minutes shall be measured in the same manner in which FGD or BSA-D access minutes are measured.

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**4. SWITCHED ACCESS (Cont'd)****4.5 Rates and Charge Regulations (Cont'd)****4.5.2 Rate Regulations (Cont'd)****(J) FGD and BSA-D Switched Access Service with 950-XXXX Access**

When a customer orders FGD or BSA-D Switched Access Service with 950-XXXX Access, as described in 4.2.5(T), to be included with the installation of new FGD or BSA-D Switched Access facilities, appropriate Switched Access Installation Charges and Switched Access Ordering charges will apply for the installation of the new FGD or BSA-D Switched Access facilities.

When a customer orders FGD or BSA-D Switched Access Service with 950-XXXX Access to be added to an existing FGD or BSA-D Switched Access Service, only the Switched Access Ordering Charge and the Design Change Charge will apply for the addition of this optional end office service arrangement.

**4.5.3 Switched Access Cross Connect**

The Switched Access Cross Connect charge provides the communications path between Telephone company provided Switched Access Services and a customer's transmission equipment and facilities where the customer is provided EIS as defined in Section 17. The DSO Cross Connect arrangement may connect directly to a Telephone Company provided Switched Access Voiceband Direct Trunked Transport. The DS1 Cross Connect arrangement may connect directly to Telephone Company provided Switched Access Services at a DS1 interface, to DS1 Direct Trunked Transport, or to a Telephone Company provided DS1 multiplexing arrangement. The DS3 Cross Connect arrangement may connect directly to DS3 Direct Trunked Transport or a Telephone Company provided DS3 to DS1 multiplexing arrangement. When a DS3 Direct Trunked Transport or Cross Connect Arrangement is requested for connection to Switched Access Services, a DS3/DS1 multiplexing arrangement is required. The Cross Connect charge applies per DS1 or DS3 connection. Rates for DS1 and DS3 Cross Connect arrangements are listed in 4.6.9.

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**4. SWITCHED ACCESS (Cont'd)****4.5 Rates and Charge Regulations (Cont'd)****4.5.4 Switched Access Zone Density Rate Plan****(A) Description of the Plan**

- (1) The Zone Density Rate Plan is a methodology used for rating Switched Access Transport services. The Zone Density Plan assigns every Serving Wire Center (SWC) or Telephone Company access tandem to one of three zones. The Serving Wire Center, CLLI Codes and zones are listed in Section 19. Rate zone assignments are established based upon the traffic density of each wire center and are divided into three categories. Zone 1 SWCs have the highest density of services, Zone 2 SWCs have intermediate density of services and Zone 3 SWCs have the lowest density of services. Zone Density Plan rates become effective in a study area concurrent with the first operational Expanded Interconnection Service (EIS), as described in Section 17, in that study area.

The Zone Density Rate Plan applies to the following Switched Access Services:

- Entrance Facility
- Direct-Trunked Transport Facility
- Direct-Trunked Transport Termination
- Tandem-Switched Transport Facility
- Tandem-Switched Transport Termination
- Tandem Switching
- DS1 to Voice Multiplexing Arrangement
- DS3 to DS1 Multiplexing Arrangement
- Shared Multiplexing

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4. **SWITCHED ACCESS** (Cont'd)

4.5 **Rates and Charge Regulations** (Cont'd)

4.5.4 **Switched Access Zone Density Rate Plan** (Cont'd)

(A) **Description of the Plan** (Cont'd)

(1) (Cont'd)

- (a) The Entrance Facility is rated according to the zone of the serving wire center of the CDL.
- (b) Distance Sensitive Transport charges:
  - When the distance is measured between wire centers within the same rate zone, the distance sensitive transport will be rated according to the zone of the serving wire center of the CDL and the end office.
  - When the distance is measured between wire centers in two different zones, the distance sensitive transport will be rated at the higher zone rate.
- (c) Transport Terminations will be rated according to the zone of the end office and the zone of the SWC of the CDL (or other rating point, e.g., Hub Wire Center). Each termination is separately rated based on the zone of the terminating location.
- (d) Tandem Switching will be rated according to the zone of the Telephone Company access tandem office.

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4. **SWITCHED ACCESS (Cont'd)**

4.5 **Rates and Charge Regulations (Cont'd)**

4.5.4 **Switched Access Zone Density Rate Plan (Cont'd)**

(A) Description of the Plan (Cont'd)

(1) (Cont'd)

(e) Multiplexing arrangements dedicated and/or shared will be rated according to the zone of the Hub wire center.

(2) The Zone Density Rate Plan is not applicable to End Office Switching, Interconnection, Information Surcharge and nonrecurring charges.

4.5.5 **Application of Rates for FGA or BSA-A Extension Service**

FGA or BSA-A is available with extensions (i.e., additional terminations of the service at different buildings in the same MSAs). FGA or BSA-A extensions are provided and charged for as Special Access. The rate elements which apply are Special Transport (from the extension bridging point to the wire center serving the CDL), and Special Access Lines. All appropriate monthly rates and nonrecurring charges are in 5.7.

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4. SWITCHED ACCESS (Cont'd)

4.5 Rates and Charge Regulations (Cont'd)

4.5.6

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4. SWITCHED ACCESS (Cont'd)

4.5 Rates and Charge Regulations (Cont'd)

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4. SWITCHED ACCESS (Cont'd)

4.5 Rates and Charge Regulations (Cont'd)

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4. SWITCHED ACCESS (Cont'd)

4.5 Rates and Charge Regulations (Cont'd)

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4. **SWITCHED ACCESS (Cont'd)**

4.5 **Rates and Charge Regulations (Cont'd)**

4.5.7 **Switched Access DS1 Term Payment Plan**

Description

The Switched DS1 Term Payment Plan (TPP) allows customers discounts for DS1 Entrance Facilities (EF) in exchange for term and minimum quantity commitments. TPP is offered for 1, 2, 3 or 5 year term commitment periods. All TPP DS1 Entrance Facilities will be billed the same rate, depending on the length of term selected by the customer.

Discount Factors

Discount factors are percentage discounts applied to the DS1 Month-to-Month First System rate as shown in 4.6.2(I) to derive the applicable tariff rate for each term commitment period. The resulting discounted tariff rate will be calculated to the same number of decimal places as the undiscounted tariff rate.

Customers will be billed Entrance Facility charges for each term commitment period based on the tariffed discounted rate as shown in 4.6.2(M). The billable portion (the complement of the discount factor) of the non-discounted tariffed rate used to derive the discounted rate will also be displayed on the customer's service record (CSR).

Furthermore, a rate cap will apply under a plan where no shortfalls, reassessment of savings or early termination occurs. The rate cap is generally equal to the undiscounted rate at the beginning of the plan. If price increases occur and the discounted rate as shown in 4.6.2(M) exceeds the rate cap, the rate cap is charged in place of the discounted rate.

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4. **SWITCHED ACCESS** (Cont'd)

4.5 **Rates and Charge Regulations** (Cont'd)

4.5.7 **Switched Access DS1 Term Payment Plan** (Cont'd)

Annual Commitment Levels

To obtain the price discount, the customer agrees to subscribe to a minimum level of DS1 Entrance Facilities over a committed period of time. The commitment is expressed as a monthly quantity of units associated with the various rate elements. To meet its commitment, a customer must meet both an Average Monthly Billed Quantity (AMQ) and an In-service (the quantity in service during the last month of each annual assessment period) Billed Quantity level (ISQ).

Start and Stop Date

The Term commitment period is initiated at the beginning of a month (start date) and is completed, in one year increments, at the end of a pre-determined month (stop date). During this time period, the discount is applied to the base rate.

Anniversary Dates

Anniversary dates occur between the start and stop dates. For a one year plan, the anniversary date is the end date of the plan. For multi-year plans, anniversary dates occur at the end of each twelve-month period of the plan.

Rate Changes

Decreases in the TPP monthly recurring Entrance Facility rates will be passed on to subscribers.

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4. **SWITCHED ACCESS (Cont'd)**

4.5 **Rates and Charge Regulations (Cont'd)**

4.5.7 **Switched Access DS1 Term Payment Plan (Cont'd)**

Minimum Commitment Levels

To initiate a TPP, a minimum commitment of 30 DS1 Entrance Facilities is required. The commitment levels will be met if the customer has met the minimum number of AMQ and ISQ units in service during the annual review.

The "commitment level" is determined by the number of DS1 facilities. For example, a shared use DS1 will count as a full DS1 toward the commitment level. All Entrance facilities subscribed to a term commitment plan between a Customer Designated Location and its serving wire center must be subscribed to the same term plan. Term commitments may vary between switched and special access services on shared use facilities.

Changes to Commitment Levels

Written notice must be submitted by the customer to change the commitment level of DS1 Entrance Facilities. Resubscription will be required if as a result of increasing or decreasing the commitment level, service is changed from a TPP to a standard month-to-month or OPP arrangement. Only one TPP arrangement will be allowed per customer for each term period.

TPP Plan Subscription

When the customer elects to subscribe to a TPP they must specify, in writing, the enrollment date (which will be the anniversary date) and the commitment level.

To convert existing DS1 OPP Entrance Facilities to a TPP, no termination liabilities will be assessed if the TPP period selected is equal to or longer in length than the time remaining for the existing DS1 OPP. If the TPP period is shorter in length than the time remaining on the existing DS1 OPP, the change to TPP constitutes a disconnect of the DS1 OPP and termination liabilities will apply.

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4. **SWITCHED ACCESS** (Cont'd)

4.5 **Rates and Charge Regulations** (Cont'd)

4.5.7 **Switched Access DS1 Term Payment Plan** (Cont'd)

Shortfall and Early Termination

When a DS1 TPP service is discontinued prior to the end of the term commitment period or the number of DS1 Entrance Facilities under the plan falls below 100% of the commitment level, the customer may be liable for shortfall, reassessment of savings and early termination charges.

Determination:

Each plan will be reviewed at the end of the third month following plan anniversary or early termination date to determine if commitment levels were achieved. AMQ and ISQ shortfall monthly units will be assessed and applied independently of each other.

Assessment:

Shortfall calculation - A comparison of actual AMQ to committed AMQ and actual ISQ to committed ISQ is made. The difference is multiplied by a shortfall factor of 20 percent. The resultant shortfall units are rated at the current tariff rate.

Reassessment of savings calculation - A comparison of actual AMQ to committed AMQ and actual ISQ to committed ISQ is made. For a one year plan, actual units are re-rated at the current tariff rate. the difference between the actual units rated at the current tariff rate and at the discounted rate represents the reassessment of savings.

For a multi-year plan terminating after the first year, actual units are re-rated using the discount factor for a plan of that length. for example, a five year plan terminating in the third year would re-rate all actual units using the discount rate for a three year plan.

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4. **SWITCHED ACCESS (Cont'd)**

4.5 **Rates and Charge Regulations (Cont'd)**

4.5.7 **Switched Access DS1 Term Payment Plan (Cont'd)**

Shortfall and Early Termination (Cont'd)

Early Termination Calculation only applies during the first six months of a multi-year term commitment plan. 100% of the average monthly commitment units for six months (penalty months) are rates at the current tariff rate.

The following describes the application of shortfall charges and early termination charges:

- If actual units are less than the commitment, the shortfall penalty applies.
- If termination occurs during the first six months of the plan, the shortfall penalty, reassessment of savings and early termination charges apply.
- If termination occurs after six months but before one year, the shortfall and reassessment of savings penalties apply.
- If termination occurs after one year but before a plan's stop date, actual units for all previous months are re-rated using the discount rate for a plan of that length. In addition, the shortfall unit charge for the year in which the termination occurs also applies.

TPP Conditions

After subscribing to a TPP, the customer may add or delete DS1 Entrance Facilities rates at the specified term commitment rate at any time during the plan.

A customer may subscribe to only one plan for each term period.

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4. **SWITCHED ACCESS (Cont'd)**

4.5 **Rates and Charge Regulations (Cont'd)**

4.5.7 **Switched Access DS1 Term Payment Plan (Cont'd)**

TPP Nonrecurring Charge

Customers subscribing to a TPP will be assessed a nonrecurring charge per Entrance Facility except in the following conditions:

- when converting standard month-to-month DS1 Entrance Facilities to a TPP.
- when converting DS1 OPPs to a TPP at plan enrollment.
- when converting DS1 OPPs to a TPP at a time other than plan enrollment if the DS1 OPP has been billed for at least six months.

Changes in Length of an TPP Period

Prior to the expiration of a TPP period, the customer may elect to convert to a new TPP period of the same or different length, subject to the following conditions:

- no credit will be given for the new term commitment period for payments made under the original TPP arrangement.
- NRCs will not be reapplied for existing service(s).
- if the new TPP period is shorter in length than the time remaining under the existing TPP, the change to the new TPP period constitutes a disconnect of service and termination liability charges will apply.
- the rates for the new period will be the rates currently in effect at the time of the change.

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4. **SWITCHED ACCESS (Cont'd)**

4.5 **Rates and Charge Regulations (Cont'd)**

4.5.7 **Switched Access DS1 Term Payment Plan (Cont'd)**

Ordering and Renewal Options

A customer must request a TPP in writing via subscription; however, an ASR form will not be required to subscribe.

A customer may, at any time during the TPP, renew the plan based upon current market and tariff conditions, provided the new plan's expiration date occurs no sooner than the current TPP expiration date and the new plan is at the same or larger commitment. At the expiration of a TPP period, the customer may select a new TPP period, convert to a month-to-month payment plan or select an OPP arrangement.

Unless advance written notification is received from the customer, an expired TPP will be renewed for one year at current tariff terms.

Should the recurring charges for a customers TPP service increase from the original recurring charges during the term commitment period, the customer may, at their option, terminate the TPP service without penalty or liability.

Written notice for discontinuance of a TPP arrangement must be given by the customer at least thirty days prior to actual discontinuance. Monthly recurring charges under the plan will apply for a period of thirty days from the date the Company receives discontinuance notification or until the end of the month following receipt of discontinuance notification, whichever period is longer.

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4. **SWITCHED ACCESS** (Cont'd)

4.5 **Rates and Charge Regulations** (Cont'd)

4.5.7 **Switched Access DS1 Term Payment Plan** (Cont'd)

Upgrade to Higher Speed Service

The customer may upgrade service to a higher speed during a TPP period. The upgraded service will be subject to all appropriate NRCs.

If both of the following conditions exist, the commitment level will be decreased by the number of TPP DS1 Entrance Facilities that are upgraded to a higher speed service:

- the customer must notify the Telephone Company in writing in addition to issuing an ASR for the higher speed service.
- the higher speed term commitment period must be equal to or longer in length than the time remaining under the TPP.

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4. **SWITCHED ACCESS (Cont'd)**

4.5 **Rates and Charge Regulations (Cont'd)**

4.5.8 **Switched Access DS3 Term Payment Plan**

- Option 1: Individual DS3s. This option requires a commitment of Individual DS3s between a CDL and its serving wire center. Entrance Facility rates for Individual System DS3s vary depending on whether the interface provided is electrical or optical. Pricing for this option is per DS3 and will vary by length of term. All Individual System DS3 Entrance Facilities are non-distance sensitive.
- Option 2: Unlimited System DS3s. This option requires a minimum commitment of 13 DS3 Entrance Facilities between the same points of termination (CDL and Service Wire Center). Entrance Facility rates for Unlimited DS3s vary depending on whether the interface provided is electrical or optical. Pricing for this option is per DS3 and will vary by length of term. All Entrance Facilities ordered with this option must be ordered and provisioned with the same interface (electrical or optical). All Unlimited System DS3 Entrance Facilities are non-distance sensitive.
- Option 3: Minimum Quantity DS3s. This option allows customers discounts for DS3 Entrance Facilities in exchange for term and minimum quantity commitments. This option requires a minimum quantity of six DS3 Entrance Facilities throughout the state. DS3 Entrance Facilities can be aggregated from any location(s) in the state and the aggregation is not dependent on the type of interface. Discount rates vary depending on whether the interface provided is electrical or optical. All Minimum Quantity DS3 Entrance Facilities are non-distance sensitive.

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**4. SWITCHED ACCESS (Cont'd)****4.5 Rates and Charge Regulations (Cont'd)****4.5.8 Switched Access DS3 Term Payment Plan (Cont'd)**

Price discounts vary between the Individual, Minimum Quantity and Unlimited System DS3s when term commitments are made. For the Minimum Quantity and Unlimited options, the "commitment level" is determined by the number of DS3 facilities. For example, a shared use DS3 will count as a full DS3 toward the commitment level. All Entrance Facilities subscribed to a term commitment plan between a Customer Designated Location and its serving wire center must be subscribed to the same term commitment plan. Term commitments may vary between switched and special access services on shared use facilities.

**Term Commitment Periods**

Individual DS3s are offered under a month-to-month arrangement and under four term commitment periods, each with a different rate level. Unlimited System and Minimum Quantity DS3s are both offered under four term commitment periods, each with different rate levels. The term commitment periods are 1, 3, 5 and 7 years. For each DS3 Entrance Facility option, the customer must specify the term commitment period and the number of DS3s being committed to at the time the service is subscribed.

The customer may convert from the Individual Month-to-Month arrangement or may upgrade to a new plan with a longer term commitment period at any time, without penalty or application of nonrecurring charges, to obtain the lower monthly recurring rates associated with a longer term commitment period. For purposes of plan administration, conversion from a month-to-month arrangement or to a longer term commitment will be treated as a termination of service, without liability, and the establishment of new service.

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4. **SWITCHED ACCESS (Cont'd)**

4.5 **Rates and Charge Regulations (Cont'd)**

4.5.8 **Switched Access DS3 Term Payment Plan (Cont'd)**

Term Commitment Periods (Cont'd)

Conversion from the Unlimited option to the Minimum Quantity option, from the Unlimited option to the Individual option or from the Minimum Quantity option to the Individual option are considered termination of service, with liability, and the establishment of new service.

Discount Factors

Discount factors are percentage discounts applied to the DS3 Individual Month-to-Month rate as shown in 4.6.2(N) to derive the applicable tariff rate for each term commitment period. The resulting discounted tariff rate will be calculated to the same number of decimal places as the undiscounted tariff rate.

Customers will be billed Entrance Facility charges for each term commitment period based on the tariffed discounted rate as shown in 4.6.2(M), 4.6.2(N) or 4.6.2(O) depending on the option selected. The billable portion (the complement of the discount factor) of the non-discounted tariffed rate used to derive the discounted rate will also be displayed on the customer's service record (CSR).

Furthermore, a rate cap will apply under a plan where no shortfalls, reassessment of savings or early termination occurs. The rate cap is the maximum rate a customer can be billed during the life of the plan. The rate cap is determined by the first non-discounted rate billed for the MRC and is set concurrent with the establishment of all new plans.

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4. **SWITCHED ACCESS (Cont'd)**

4.5 **Rates and Charge Regulations (Cont'd)**

4.5.8 **Switched Access DS3 Term Payment Plan (Cont'd)**

Annual Commitments Levels

To obtain the price discount, the customer agrees to subscribe to a specified level of DS3 Entrance Facilities over a committed period of time. The commitment is expressed as a monthly quantity of units associated with the various rate elements. To meet its commitment, a customer must meet both an Average Monthly Billed Quantity (AMQ) and an In-service (the quantity in service during the last month of each annual assessment period) Billed Quantity level (ISQ).

To obtain Unlimited System discounts, the customer must commit to a minimum of 13 DS3 Entrance Facilities between a CDL and its Service Wire Center (SWC). The discount is applicable for each CDL - SWC arrangement subscribed to the term commitment plan.

To obtain Minimum Quantity DS3 discounts, the customer must specify a commitment equal to or greater than six DS3 Entrance Facilities and a term period. The commitment levels will be met if the customer has met the minimum number of AMQ and ISQ units during the annual review. Only one Minimum Quantity DS3 arrangement will be allowed per customer for each state. The customer may upgrade to a longer term at any time, without penalty, by resubscribing to a new term commitment plan. Conversion to a shorter term commitment is considered to be a termination of the plan, with penalty, and subscription to another plan.

Start and Stop Date

The Term commitment period is initiated at the beginning of a month (start date) and is completed, in one year increments, at the end of a pre-determined month (stop date). During this time period, the discount is applied to the base rate (the month-to-month, non-discounted rate).

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4. **SWITCHED ACCESS (Cont'd)**

4.5 **Rates and Charge Regulations (Cont'd)**

4.5.8 **Switched Access DS3 Term Payment Plan (Cont'd)**

Anniversary Dates

Anniversary dates occur between the start and stop dates. For a one year plan, the anniversary date is the end date of the plan. For multi-year plans, anniversary dates occur at the end of each twelve-month period of the plan.

Expiration of a Term Commitment Period

Unless advance written notice is received from the customer, an expired term commitment plan will be renewed for one year at current tariff terms.

Termination Without Liability

Should the recurring charges for a customer's DS3 service increase from the original recurring charges during the term commitment period, the customer may, at their option, terminate the DS3 service without penalty or liability.

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4. **SWITCHED ACCESS** (Cont'd)

4.5 **Rates and Charge Regulations** (Cont'd)

4.5.8 **Switched Access DS3 Term Payment Plan** (Cont'd)

Shortfall and Early Termination

When a DS3 service is discontinued prior to the end of the term commitment period or the number of DS3 Entrance Facilities under the plan falls below 100% of the commitment level, the customer may be liable for shortfall, reassessment of savings and early termination charges.

Determination:

Each plan will be reviewed at the end of the third month following plan anniversary or early termination date to determine if commitment levels were achieved. AMQ and ISQ shortfall monthly units will be assessed and applied independently of each other.

Assessment:

Shortfall calculation - A comparison of actual AMQ to committed AMQ and actual ISQ to committed ISQ is made. The difference is multiplied by a shortfall factor of 20 percent. The resultant shortfall units are rated at the current tariff rate.

Reassessment of savings calculation - A comparison of actual AMQ to committed AMQ and actual ISQ to committed ISQ is made. For a one year plan, actual units are re-rated at the current tariff rate. The difference between the actual units rated at the current tariff rate and at the discounted rate represents the reassessment of savings.

For a multi-year plan terminating after the first year, actual units are re-rated using the discount factor for a plan of that length. For example, a five year plan terminating in the third year would re-rate all actual units using the discount rate for a three year plan.

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4. **SWITCHED ACCESS** (Cont'd)

4.5 **Rates and Charge Regulations** (Cont'd)

4.5.8 **Switched Access DS3 Term Payment Plan** (Cont'd)

Shortfall and Early Termination (Cont'd)

Early Termination Calculation only applies during the first six months of a multi-year term commitment plan. 100% of the average monthly commitment units for six months (penalty months) are rated at the current tariff rate for the service terminated.

The following describes the application of shortfall charges and early termination charges:

- If actual units are less than the commitment, the shortfall penalty apply.
- If termination occurs during the first six months of the plan, the shortfall penalty, reassessment of savings and early termination charges apply.
- If termination occurs after six months but before one year, the shortfall and reassessment of savings penalties apply.
- If termination occurs after one year but before a plan's stop date, actual units for all previous months are re-rated using the discount rate for a plan of that length. In addition, the shortfall unit charge for the year in which the termination occurs also applies.

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4. **SWITCHED ACCESS** (Cont'd)

4.5 **Rates and Charge Regulations** (Cont'd)

4.5.8 **Switched Access DS3 Term Payment Plan** (Cont'd)

Notice of Discontinuance

Written notice of discontinuance must be given by the customer at least thirty days prior to actual discontinuance. Monthly recurring charges under the plan will apply for a period of thirty days from the date the Company receives discontinuance notification or until the end of the month following receipt of discontinuance notification, whichever period is longer.

Upgrade from Individual to Minimum Quantity or Unlimited System DS3s

Should the customer elect to upgrade their Individual DS3 service to a Minimum Quantity or an Unlimited System plan, the termination liabilities for DS3 services to be upgraded will not apply as long as the services remain connected at the same point of termination(s) or if applicable, meets the requirements set forth in 4.5.2(A)(3)(n)(2). No credit will be given for the time in service associated with the previous DS3 service(s). A new term commitment period equal to or longer than the longest remaining term commitment period of the upgraded service(s) will be required for the upgrade. For example, upgrading an Individual DS3 during the end of the second year of a five year commitment will require subscription to a new three year (or longer) term commitment to a Minimum Quantity or Unlimited Plan.

NRCs for DS3 Entrance Facilities will only apply for additional DS3 System required to achieve minimum commitment levels (i.e., NRCs will not apply for existing Individual System DS3s that are upgraded to the Minimum Quantity or Unlimited System plans.

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4. **SWITCHED ACCESS** (Cont'd)

4.5 **Rates and Charge Regulations** (Cont'd)

4.5.8 **Switched Access DS3 Term Payment Plan** (Cont'd)

Upgrade from the Minimum Quantity to the Unlimited System DS3 Plan

Should the customer elect to upgrade his Minimum Quantity DS3 service to an Unlimited System DS3 plan, the termination liabilities for DS3 services to be upgraded will not apply unless the upgrade reduces the AMQ and/or ISQ below the commitment level for the minimum Quantity plan. No credit will be given for the time in service associated with the previous DS3 service(s). A new term commitment period equal to or longer than the longest remaining term commitment period of the upgraded service(s) will be required for the upgrade. For example, upgrading Minimum Quantity DS3s during the end of the second year of a five year commitment will require subscription to a new three year (or longer) term commitment to an Unlimited plan.

NRCs for DS3 Entrance Facilities will only apply for additional DS3 Systems required to achieve minimum commitment levels (i.e., NRCs will not apply for existing Minimum Quantity DS3s that are upgraded to the Unlimited System plans.

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4. **SWITCHED ACCESS (Cont'd)**

4.5 **Rates and Charge Regulations (Cont'd)**

4.5.9 **Shared Use Analog and Digital High Capacity FIA**

Monthly charges for a DS1 or DS3 high capacity shared use facility will be apportioned between Switched and Special Access based on the relative proportion of channels used for switched and special access in the following manner.

If the facility is ordered as Special Access, rating as Special Access will continue until such time as a portion of the available capacity is used to provide Switched Access service. As individual channels are activated for Switched Access, monthly charges will be apportioned between Switched and Special Access based on the number of channels used for Switched Access and the number of remaining channels on the Special Access facility according to the following formula:

- The total shared use charge is equal to the Monthly Switched Access Charge times the number of channels used for Switched Access divided by 24 for DS1 or 672 for DS3 plus the monthly Special Access Charge times the number of channels remaining for Special Access divided by 24 for DS1 or 672 for DS3.

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**4. SWITCHED ACCESS (Cont'd)****4.5 Rates and Charge Regulations (Cont'd)****4.5.9 Shared Use Analog and Digital High Capacity FIA**

If the facility is ordered as Switched Access, rating as Switched Access will continue until such time as a portion of the available capacity is used to provide Special Access service. As individual channels are activated for Special Access, monthly charges will be apportioned between Switched and Special Access based on the number of channels used for Special Access and the number of remaining channels on the Switched Access Facility according to the following formula:

- The total shared use charge is equal to the Monthly Special Access Charge times the number of channels used for Switched Access divided by 24 for DS1 or 672 for DS3 plus the monthly Switched Access Charge times the number of channels remaining for Switched Access divided by 24 for DS1 or 672 for DS3.

The monthly Switched and Special Access rate used will be the appropriate rate (Special Access SAL, Transport, Multiplexer and/or Cross Connect Arrangement and Switched Access Entrance Facility, Direct-Trunked Transport, Multiplexer and/or Cross Connect Arrangement) for the underlying shared use facility. Upon expiration of the term commitment for Switched or Special Access services, the Telephone Company will continue to bill the customer as described in 4.5.8. If the customer chooses to discontinue service at the expiration of a term commitment period, billing will be based on the facility charges for the remaining service. Discontinuance prior to the expiration of term commitment periods will be subject to charges described in 4.5.6, 4.5.7 and 4.5.8.

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4. SWITCHED ACCESS (Cont'd)

4.5 Rates and Charge Regulations (Cont'd)

4.5.10

(D)

(D)

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Citizens Communications Company  
180 S. Clinton Avenue  
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4. SWITCHED ACCESS (Cont'd)

4.5 Rates and Charge Regulations (Cont'd)

4.5.10

(D)

(D)

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180 S. Clinton Avenue  
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4. **SWITCHED ACCESS** (Cont'd)

4.5 **Rate and Charge Regulations** (Cont'd)

4.5.11 (Reserved for Future Use)

4.5.12 (Reserved for Future Use)

4.5.13 **Switched Access Discount Plan**

(A) **Description of the Term Plan**

The Switched Access Term Plan, an option available with all feature groups, can provide savings to customers who commit to various purchase time periods for their InterMSA Service.

The Term Plan is not applicable to FGA FX, assumed usage or flat-rated elements.

The Term Plan provides discounts for usage sensitive switched access feature group rate elements for InterMSA originating and/or terminating minutes of use based upon a customer's commitment to purchase switched access for a specified length of time at a specific volume level.

Term Plan unit commitment levels may range from 80% of a prior base period's units up to 100% of a prior base period's units.

Term Plans are offered as one, two, three, four or five-year plans.

The Term Plan may be purchased by state or by specific market areas within the State of Illinois. A market area may be defined by the customer by choosing the end offices he wants included in the plan.

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4. **SWITCHED ACCESS** (Cont'd)

4.5 **Rate and Charge Regulations** (Cont'd)

4.5.13 **Switched Access Discount Plan** (Cont'd)

(A) **Description of the Term Plan** (Cont'd)

The Term Plan discounts are applied to the InterMSA originating and/or terminating rate element usage. There is no minimum amount of usage that needs to be met to be eligible for the Term Plan discounts. However, shortfall charges will be applied if committed volumes are not met. Full tariffed rates will apply for actual quantities delivered of less than the threshold.

The Term Plan is available with all feature groups and with rate elements individually within those feature groups.

For a single rate element, a customer may subscribe to only one Term Plan per total state or market area at one time. Further, an end office may only be included in one Term Plan of a customer at a time.

The plans are subscribed to at an Access Carrier Name Abbreviation (ACNA) level. The sum of Carrier Identification Codes (CICs) may be used to develop a base commitment. Should merger or acquisition activity occur, a customer may not combine additional ACNAs or CICs after the start date of the plan. The customer does, however, have the ability to discontinue his existing plan and initiate a new plan in the event of a merger or acquisition on the part of the customer.

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4. SWITCHED ACCESS (Cont'd)

4.5 Rate and Charge Regulations (Cont'd)

4.5.13 Switched Access Discount Plans (Cont'd)

(B) Application of the Term Plan

(1) The following elements are necessary to apply the Term Plan.

(a) Discount Factor

Discount factors are percentage discounts applied to access rate elements' full tariff rates. The resulting discounted tariff rate will be calculated to the same number of decimal places as the undiscounted tariff rate. Tariffed discount factors may be updated periodically, but are not automatically applied to previously subscribed-to plans. Paragraph (B)(2) following, describes renewing a plan whereby a customer can take advantage of updated discount factors. Paragraph (B)(5) following, displays the term plan discount factors.

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4. SWITCHED ACCESS (Cont'd)

4.5 Rate and Charge Regulations (Cont'd)

4.5.13 Switched Access Discount Plans (Cont'd)

(B) Application of the Term Plan (Cont'd)

(1) (Cont'd)

(b) Annual Commitment and Commitment Percentage

To obtain the price discount, the customer agrees to purchase a specified level of usage over a committed period of time. The commitment is expressed as an annual quantity of billed usage associated with the various rate elements and is a percentage level of the customer's prior twelve months (base period) usage. If a customer does not have twelve months prior usage, the Company will work cooperatively with the customer to develop an estimated base period usage level upon which to base a Term Plan commitment.

Tariffed commitment percentages may be updated periodically, but are not automatically applied to previously subscribed-to plans.

(c) Start and Stop Dates

The Plan is initiated at the beginning of a month (start date) and is completed at the end of a pre-determined month (stop date) in 12 month increments. During this time period, the discount is applied to the Switched Access usage.

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4. SWITCHED ACCESS (Cont'd)

4.5 Rate and Charge Regulations (Cont'd)

4.5.13 Switched Access Discount Plans (Cont'd)

(B) Application of the Term Plan (Cont'd)

(1) (Cont'd)

(d) Anniversary Dates

Anniversary dates occur between the start and stop dates. Ninety days after the anniversary dates, actual usage is compared to the commitment level. If the actual usage is less than the commitment, shortfall charges are applied. For one year Term Plans, the anniversary date is the end date of the plan. For multi-year plans, anniversary dates occur at the end of each twelve-month period of the plan.

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4. SWITCHED ACCESS (Cont'd)

4.5 Rate and Charge Regulations (Cont'd)

4.5.13 Switched Access Discount Plans (Cont'd)

(B) Application of the Term Plan (Cont'd)

(1) (Cont'd)

(e) Shortfall Charges and Early Termination Charges

Determination:

Each plan is reviewed 90 days following the plan anniversary or early termination date to determine if commitment levels were achieved. This determination is made by comparing the total usage accumulated from the last anniversary up to the current anniversary or termination date. This 90-day period allows late usage to be applied to the plan. If usage commitment levels are not met, shortfall charges are compared with the total savings recognized by the customer and he is billed whichever amount is less. Reassessment charges also apply if a plan is terminated prior to the anniversary date of a two to five year plan.

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4. SWITCHED ACCESS (Cont'd)

4.5 Rate and Charge Regulations (Cont'd)

4.5.13 Switched Access Discount Plans (Cont'd)

(B) Application of the Term Plan (Cont'd)

(1) (Cont'd)

(e) Shortfall Charges and Early Termination Charges (Cont'd)

Assessment:

Shortfall calculation - Actual units are subtracted from commitment units and the difference is multiplied by a shortfall factor (a decimal less than 1). The resultant shortfall units are rated at the current tariff rate.

Reassessment of Savings Calculation:

- For a one year plan, actual units are re-rated at the current tariff rate. The difference between the actual units rated at the current tariff rate and at the discounted rate represents the recovery of savings.
- For a multi-year plan terminating after the first year, actual units are re-rated using the discount factor for a plan of that length. For example, a five year plan terminating in the third year would re-rate all actual units for each year using the discount factor for a three year plan.

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4. **SWITCHED ACCESS** (Cont'd)

4.5 **Rate and Charge Regulations** (Cont'd)

4.5.13 **Switched Access Discount Plans** (Cont'd)

(B) Application of the Term Plan (Cont'd)

(1) (Cont'd)

(e) Shortfall Charges and Early Termination Charges (Cont'd)

Assessment: (Cont'd)

- Threshold: A predetermined percentage of committed units. If actual units are less than the threshold or exceed the threshold but fall short of the commitment, then the shortfall calculation is compared to the reassessment of savings calculation and the lesser of the two applies.

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4. SWITCHED ACCESS (Cont'd)

4.5 Rate and Charge Regulations (Cont'd)

4.5.13 Switched Access Discount Plans (Cont'd)

(B) Application of the Term Plan (Cont'd)

(1) (Cont'd)

(e) Shortfall Charges and Early Termination Charges (Cont'd)

The following describe the application of shortfall charges and termination charges.

1. Shortfall Charges Assessed at an Anniversary Date

If actual units are below or over the threshold:

- Shortfall calculation is performed:  
(commitment units - actual units) x  
shortfall factor x current tariff rate
- Total savings during the anniversary year  
are calculated: (full tariff rate -  
discounted rate) X actual units
- The lesser of the shortfall charge or the  
total savings is billed

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4. **SWITCHED ACCESS** (Cont'd)

4.5 **Rate and Charge Regulations** (Cont'd)

4.5.13 **Switched Access Discount Plans** (Cont'd)

(B) **Application of the Term Plan** (Cont'd)

(1) (Cont'd)

(e) **Shortfall Charges and Early Termination Charges**  
(Cont'd)

2. Shortfall Charges Assessed Due to Plan Termination

a. If early termination occurs during the first year of a one year plan:

- Total savings are calculated:  
(full tariff rate - discounted rate) X actual units
- Total recovery of savings is billed

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4. SWITCHED ACCESS (Cont'd)

4.5 Rate and Charge Regulations (Cont'd)

4.5.13 Switched Access Discount Plans (Cont'd)

(B) Application of the Term Plan (Cont'd)

(1) (Cont'd)

(e) Shortfall Charges and Early Termination Charges (Cont'd)

2. Shortfall Charges Assessed Due to Plan Termination (Cont'd)

b. If termination occurs after one year but before a plan's stop date, whether the actual units are below or over the threshold:

- For a multi-year plan terminating after the first year but before the plan's stop date, actual units for all previous months are re-rated using the discount percentage for a plan of that length. For example, if a five year plan is terminated in the third year, all actual units for years one, two and three are re-rated using the discount percentage for a three year plan and are billed as a reassessment charge. In addition:

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4. SWITCHED ACCESS (Cont'd)

4.5 Rate and Charge Regulations (Cont'd)

4.5.13 Switched Access Discount Plans (Cont'd)

(B) Application of the Term Plan (Cont'd)

(1) (Cont'd)

(e) Shortfall Charges and Early Termination Charges (Cont'd)

2. Shortfall Charges Assessed Due to Plan Termination (Cont'd)

b. (Cont'd)

- The shortfall calculation is performed: (commitment units - actual units) X shortfall factor X current tariff rate
- Total savings during the anniversary year are calculated: (full tariff rate - discounted rate) X actual units
- Lesser of the shortfall charge or the total savings is billed

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4. SWITCHED ACCESS (Cont'd)

4.5 Rate and Charge Regulations (Cont'd)

4.5.13 Switched Access Discount Plans (Cont'd)

(B) Application of the Term Plan (Cont'd)

(1) (Cont'd)

(e) Shortfall Charges and Early Termination Charges (Cont'd)

3. The following numerical examples depict the application of Shortfall and Termination charges.

a. Billed Usage less than Commitment, but greater than Threshold %

Shortfall calculation:

Commitment: 1,000,000  
 Billed Usage: - 800,000  
 Shortfall Units: 200,000

Shortfall Factor: x .20  
 Billable Shortfall Units: = 40,000  
 Tariff Rate: x .05  
 Shortfall Unit Charge: = \$2,000

Total Savings (assuming 10% discount)

Tariff Rate: .0500  
 Discount Rate: - .0450  
 Saving Rate: = .0050

Billed Units: x 800,000  
 Total Savings: = \$4,000

Lesser of the shortfall charge or the total savings is billed (i.e. \$2,000).

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4. SWITCHED ACCESS (Cont'd)4.5 Rate and Charge Regulations (Cont'd)4.5.13 Switched Access Discount Plans (Cont'd)(B) Application of the Term Plan (Cont'd)

(1) (Cont'd)

(e) Shortfall Charges and Early Termination Charges (Cont'd)

(3) (Cont'd)

b. Billed Usage less than Commitment, and  
less than  
Threshold %

Shortfall calculation:

Commitment:	1,000,000
Billed Usage:	- 500,000
Shortfall Units:	500,000

Shortfall Factor:	x .20
Billable Shortfall Units: =	100,000
Tariff Rate:	x .05
Shortfall Unit Charge: =	<u>\$5,000</u>

Total Savings (assuming 10% discount)

Tariff Rate:	.0500
Discount Rate:	- .0450
Saving Rate:	= .0050

Billed Units:	x 500,000
Total Savings:	= <u>\$2,500</u>

Lesser of the shortfall charge or the total savings is billed  
(i.e. \$2,500).

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4. SWITCHED ACCESS (Cont'd)

4.5 Rate and Charge Regulations (Cont'd)

4.5.13 Switched Access Discount Plans (Cont'd)

(B) Application of the Term Plan (Cont'd)

(1) (Cont'd)

(e) Shortfall Charges and Early Termination Charges (Cont'd)

3. (Cont'd)

c. Early Termination of a five-year plan in year three:

Reassessment of Savings Charge

Discount factor is reassessed based on the new length of plan.

Tariff Rate:	.0500
Old Discount Rate (10%):	- .0450
Old Saving Rate:	= .0050

Tariff Rate:	.0500
New Discount Rate (5%):	- .0475
New Saving Rate:	= .0025

Old Saving Rate:	.0050
New Saving Rate:	- .0025
Reassessed Difference:	= .0025
Billed Units	x 500,000
Reassessment of Savings Charge	= <u>\$1,250</u>

Reassessment charge is billed for every year up to and including the termination year (i.e., \$1,250 for year three as calculated in the above example; in addition, years one and two would be reassessed).

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4. SWITCHED ACCESS (Cont'd)

4.5 Rate and Charge Regulations (Cont'd)

4.5.13 Switched Access Discount Plans (Cont'd)

(B) Application of the Term Plan (Cont'd)

(1) (Cont'd)

(e) Shortfall Charges and Early Termination Charges (Cont'd)

3. (Cont'd)

c. Early Termination of a five-year plan in year three: (Cont'd)

Shortfall calculation:

Commitment: 1,000,000  
 Billed Usage: - 500,000  
 Shortfall Units: 500,000

Shortfall Factor: x .20  
 Billable Shortfall Units: = 100,000  
 Tariff Rate: x .05  
 Shortfall Unit Charge: = \$5,000

Total Savings (assuming reassessment with 5% discount)

Tariff Rate: .0500  
 New Discount Rate: - .0475  
 Saving Rate: = .0025

Billed Units: x 500,000  
 Total Savings: = \$1,250

Lesser of the shortfall charge or the total savings is billed (i.e. \$1,250) in addition to the Reassessment of Savings Charge.

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4. **SWITCHED ACCESS (Cont'd)**

4.5 **Rate and Charge Regulations (Cont'd)**

4.5.13 **Switched Access Discount Plans (Cont'd)**

(B) Application of the Term Plan (Cont'd)

(1) (Cont'd)

(e) Shortfall Charges and Early Termination Charges (Cont'd)

3. (Cont'd)

d. The following table describes the Shortfall and Termination assessment methods for the Term Plan:

Plan Year	1			2			3			4			5		
	Term	Anniv.		Term	Anniv.		Term	Anniv.		Term	Anniv.		Term	Anniv.	
Threshold % of Commitment	N/A	< 60%	=> 60%	N/A	< 50%	=> 50%	N/A	< 30%	=> 30%	N/A	< 15%	=> 15%	N/A	< 5%	=> 5%
Shortfall Unit Charges	N/A	1		1	1		1	1		1	1		1	1	
Reassessment or Recovery of Savings	2	N/A		3	N/A		3	N/A		3	N/A		3	N/A	

1 = Bill shortfall units using shortfall calculation. Compare shortfall amounts with total savings recognized by the customer and bill the lesser of the two.

Reassessment or Recovery of Savings Options:

2 = Recover total savings passed on to the customer.  
3 = Reassess total savings based on discount factor in effect in year of termination. Bill the difference to the customer as a reassessment charge.

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4. SWITCHED ACCESS (Cont'd)

4.5 Rate and Charge Regulations (Cont'd)

4.5.13 Switched Access Discount Plans (Cont'd)

(B) Application of the Term Plan (Cont'd)

(1) (Cont'd)

(f) Rate Cap

The rate cap is a rate that is the highest amount a customer may be charged under a plan where no shortfalls and/or reassessment of savings occurs. The rate cap is generally equal to the undiscounted rate at the beginning of the plan. An exception to application of the rate cap may apply at the Company's discretion when a change in rates is mandated by the Commission and/or a separations reform and/or a cost allocation reform occurs that could result in catastrophic financial impacts to the Company. The Company will make the final determination of the impact. Other than these exceptions, if price increases occur and the discounted rate exceeds the rate cap, the rate cap is charged in place of the discounted rate. Any price decreases during the plan will be passed on to the customer in the form of a lower discounted rate; however, no discounted rate shall be lower than its long run incremental cost.

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4. **SWITCHED ACCESS** (Cont'd)

4.5 **Rate and Charge Regulations** (Cont'd)

4.5.13 **Switched Access Discount Plans** (Cont'd)

(B) **Application of the Term Plan** (Cont'd)

(2) **Ordering and Renewing a Term Plan**

A customer must subscribe to a Term Plan in writing; however an Access Service Request (ASR) form is not used to order the Term Plan.

A customer may, at any time during a term plan, renew the plan based upon current market and tariff conditions provided the new plan's expiration date occurs no sooner than the current plan's expiration date and the new plan is at the same or larger percentage commitment. For example, a customer, having completed one year of a three year term plan, may renew for two years (or longer) to take advantage of a lower tariffed commitment percentage or a higher discount rate. New base commitments will be determined for the renewal.

Unless advance written notice is received from the customer, an expired term plan will be renewed for one year at current tariff terms. Advance written notice to discontinue at the end of a one year plan must be received three months prior to the plan's expiration; for a two year plan, four months prior; and for a three or five year plan, six months prior. Base commitments will be updated in automatic renewals.

Access Customer Name (ACNA) and/or Carrier Identification Code (CIC) additions to existing plans require the discontinuance of the existing plan and initiation of a new plan.

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4. SWITCHED ACCESS (Cont'd)

4.5 Rate and Charge Regulations (Cont'd)

4.5.13 Switched Access Discount Plans (Cont'd)

(B) Application of the Term Plan (Cont'd)

(3) Lost or Damaged Usage Data

If usage data becomes unavailable to determine discounts, the Company will estimate the amount of lost usage. The estimate will be used in the Term Plan calculations.

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4. **SWITCHED ACCESS (Cont'd)**

4.5 **Rate and Charge Regulations (Cont'd)**

4.5.13 **Switched Access Discount Plans (Cont'd)**

(B) Application of the Term Plan (Cont'd)

(4) Term Plan Example

Customer A selects a 2 year plan at 80% commitment and receives 0.5% discount

Term Plan Discount Matrix

Commitment	Years				
	1	2	3	4	5
80%	0.3%	0.5%	0.8%	1.0%	1.2%
85%	0.8%	0.9%	1.6%	2.1%	2.4%
90%	1.0%	1.7%	2.4%	3.1%	3.7%
95%	1.3%	2.3%	3.3%	4.3%	5.3%
100%	2.6%	4.6%	6.6%	8.5%	10.5%

Determine Customer A's commitment

Rate Element	Base Period Usage	Commitment Percentage (Decimal)	Annual Commitment (MOU)
EOS	96 Million	.80	76.8 Million

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4. **SWITCHED ACCESS** (Cont'd)

4.5 **Rate and Charge Regulations** (Cont'd)

4.5.13 **Switched Access Discount Plans** (Cont'd)

(B) Application of the Term Plan (Cont'd)

(4) Term Plan Example (Cont'd)

Customer A's actual usage at the first anniversary equals:

Rate Element	Actual Usage
--------------	--------------

EOS	72 Million - Commitment not met
-----	------------------------------------

Shortfall charge will be the lesser of the reassessment of savings calculation or the shortfall calculation

Perform reassessment of savings calculation.

Rerate actual usage at current tariff rate of \$.01 per minute

$72,000,000 \times .01 = \$720,000$

Determine amount billed customer at discounted rate.

$72,000,000 \times .00995 = \$716,400$

Possible Shortfall Charge is  $720,000 - 716,400 = \$3,600$

then:

Perform shortfall calculation.

Shortfall amount times shortfall factor times current tariff rate.

$(76,800,000 - 72,000,000) \times .2 \times .01 = \$9,600$

Compare shortfall calculation result to assessment of savings calculation result and choose lower of the two.

EOS shortfall charge to Customer A at first anniversary is \$3,600

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4. **SWITCHED ACCESS** (Cont'd)

4.5 **Rate and Charge Regulations** (Cont'd)

4.5.13 **Switched Access Discount Plans** (Cont'd)

(B) **Application of the Term Plan** (Cont'd)

(5) **Term Plan Discount Matrix**

This matrix is used to determine the term discount as follows:

1. Identify the number of years of the Term Plan.
2. Identify quantity commitment provided by the customer as the percentage of the base period minutes of use.
3. Use Term Plan Discount Matrix to identify the appropriate term discount.

Commitment	Years				
	1	2	3	4	5
80%	0.3%	0.5%	0.8%	1.0%	1.2%
85%	0.8%	0.9%	1.6%	2.1%	2.4%
90%	1.0%	1.7%	2.4%	3.1%	3.7%
95%	1.3%	2.3%	3.3%	4.3%	5.3%
100%	2.6%	4.6%	6.6%	8.5%	10.5%

4.5.14 **Equal Access Recovery Charge**

The Equal Access Recovery Charge as set forth in 4.6.6 is applicable to all originating intrastate, intraMSA minutes of use.

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4. **SWITCHED ACCESS (Cont'd)**

4.6 **Rates and Charges**

4.6.1 **Nonrecurring Charges**

	<u>Nonrecurring Charge</u>
(A) (Reserved for Future Use)	
(B) <u>Switched Access Service Ordering Charges</u>	
Switched Access Order Charge, Per ASR (AOC) .....	\$130.23
<u>Design Change Charge, Per ASR</u> .....	26.21
(C) <u>500 NXX Translation Charge</u>	
First NXX, Per ASR, Per End Office (NW51X) .....	221.00
Each Additional NXX, Per ASR, Per End Office (NW5AX) .....	221.00
	<u>Rate</u>
(D) <u>Network Blocking Charge</u> (Applies to FGB, FGC, FGD, BSA-B, BSA-C, BSA-D and SAC Access Service) Per Call	\$10.00
(E) <u>FGA and BSA-A Optional Toll Blocking</u> Per FGA or BSA-A Line (CAH) .....	0.00
(F) <u>0+900 Service</u> Per End Office (N98BX) .....	0.00

4.6.2 **Switched Transport**

	<u>Originating</u>	<u>Termination Affiliate</u>	<u>Termination 3rd Party</u>	
(A) <u>Tandem-Switched Transport – Facility – Non 800/877/888</u>				(T) (T) (C)
Per Access Minute, Per Airline Mile				
Zone 1	\$0.00005000	\$0.0000	\$0.00005000	
Zone 2	\$0.00005000	\$0.0000	\$0.00005000	
Zone 3	\$0.00005000	\$0.0000	\$0.00005000	
(B) <u>Tandem-Switched Transport – Termination – Non 800/877/888</u>				(C)
Per Access Minute, Per Termination				
Zone 1	\$0.000556000	\$0.0000	\$0.000556000	
Zone 2	\$0.000556000	\$0.0000	\$0.000556000	
Zone 3	\$0.000556000	\$0.0000	\$0.000556000	

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4. **SWITCHED ACCESS (Cont'd)**

4.6 **Rates and Charges (Cont'd)**

4.6.2 **Switched Transport (Cont'd)**

	<u>Originating</u>	<u>Termination Affiliate</u>	<u>Termination 3rd Party</u>	
(C)	<u>Tandem Switching Rate – Non 800/877/888</u>			
	Per Access Minute			
	Zone 1	\$0.000	\$0.000	\$0.000
	Zone 2	\$0.000	\$0.000	\$0.000
	Zone 3	\$0.000	\$0.000	\$0.000
(D)	<u>Shared Multiplexing – Non 800/877/888</u>			
	Per Access Minute			
	Zone 1	\$0.00004000	\$0.00004000	\$0.00004000
	Zone 2	\$0.00004000	\$0.00004000	\$0.00004000
	Zone 3	\$0.00004000	\$0.00004000	\$0.00004000
(E)	Joint Tandem Switched Transport Access Service - 800/877/888			
	Originating per access minutes		\$0.0000000	(R)
(F)	<u>Interconnection Rate – Non 800/877/888 and 800/877/888</u>			
	Telephone Company Provided Transport	<u>Rate</u>		
	Per Originating Access Minute			
	Premium.....	\$0.0000000		
	Non-Premium.....	\$0.0000000		
	Per Terminating Access Minute			
	Premium.....	\$0.0000000		
	Non-Premium.....	\$0.0000000		
	Per EIS Originating Access Minute,			
	Premium/Non-Premium .....	\$0.0000000		
	Per EIS Terminating Access Minute,			
	Premium/Non-Premium .....	\$0.0000000		
(G)	<u>Direct-Trunked Transport - Voiceband</u>			
	Direct-Trunked Transport Facility-Voiceband,			
	Per Airline Mile, per month (DTV2F)			
	Zone 1 .....	\$3.00		
	Zone 2 .....	\$3.00		
	Zone 3 .....	\$3.00		
	Direct-Trunked Transport-Termination – Voiceband, Per month (DTV2T)			
	Zone 1 .....	\$17.00		
	Zone 2 .....	\$17.00		
	Zone 3 .....	\$17.00		
		<u>NRC</u>		
	Direct-Trunked Transport – Activated Voiceband	\$130.23		

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4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.2 Switched Transport (Cont'd)

	<u>Rate</u>	
(H) <u>Direct-Trunked Transport - DS1</u>		(T)
Direct-Trunked Transport Facility-DS1, Per Airline Mile, per month (DTCMF)		
Zone 1 .....	\$16.81	
Zone 2 .....	\$16.81	
Zone 3 .....	\$16.81	
 Direct-Trunked Transport-Termination - DS1 Per month (DCTMT)		
Zone 1 .....	\$38.60	
Zone 2 .....	\$38.60	
Zone 3 .....	\$38.60	
	<u>NRC</u>	
Direct-Trunked Transport – Activated DS1	\$130.23	(T)
(I) <u>Direct-Trunked Transport - DS3</u>		
Direct-Trunked Transport Facility-DS3, Per Airline Mile, per month (DTCMF3)		
Zone 1 .....	\$50.00	
Zone 2 .....	\$50.00	
Zone 3 .....	\$50.00	
 Direct-Trunked Transport-Termination - DS3 Per month (DTCMT3)		
Zone 1 .....	\$500.00	
Zone 2 .....	\$500.00	
Zone 3 .....	\$500.00	
 Direct-Trunked Transport – Activated DS3	<u>NRC</u> \$415.00	(T)
(J) <u>Dedicated Trunk Port</u>		(T)
End Office Dedicated Trunk Port Voiceband, Monthly Rate,	<u>Originating</u>	<u>Terminating</u>
Per Channel (LSTPV) .....	\$28.91	\$0
 DS1, Monthly Rate, Per Channel (LSTP1) .....	\$12.52	\$0
 Access Tandem Dedicated Trunk Port Voiceband, Monthly Rate,		
Per Channel (LSTPV) .....	\$28.91	
 DS1, Monthly Rate, Per Channel (LSTP1) .....	\$12.52	

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4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.2 Switched Transport (Cont'd)

	<u>Rate</u>	
(K)	<u>Entrance Facility - 2-Wire and 4-Wire Voiceband</u>	(T)
	Per Entrance Facility, Service Installation Charge .....	\$488.24
	2-Wire Voiceband, per month (EF2W) .....	\$53.20
	4-Wire Voiceband, per month (EF4W) .....	\$53.20
(L)	<u>Entrance Facility - DS1</u>	(T)
	Each DS1 Service Installation	\$450.00
	Monthly Rate (EFD1T)	
	Zone 1 .....	\$306.73
	Zone 2 .....	\$306.73
	Zone 3 .....	\$306.73
(M)	<u>Entrance Facility - DS3</u>	(T)
	Electrical Interface	
	Service Installation (EFD3T) .....	\$3410.00
	Monthly Rate (EFD3T)	
	Zone 1 .....	\$1600.00
	Zone 2 .....	\$1600.00
	Zone 3 .....	\$1600.00

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.2 Switched Transport (Cont'd)

	<u>Rate</u>
(N) <u>Multiplexing</u>	
DS1 to Voice	
Service Installation (M6W1X).....	\$417.00
Monthly Rate (MKW1X)	
Zone 1 .....	\$263.00
Zone 2 .....	\$263.00
Zone 3 .....	\$263.00
DS3 to DS1	
Service Installation (MKW3X) .....	\$1,297.00
Monthly Rate (MKW3X)	
Zone 1 .....	\$1406.16
Zone 2 .....	\$1406.16
Zone 3 .....	\$1406.16

(T)

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.2 Switched Transport (Cont'd)

(O)

(D)

(D)

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4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.2 Switched Transport (Cont'd)

(P)

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4.6 Rates and Charges (Cont'd)

4.6.2 Switched Transport (Cont'd)

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4.6 Rates and Charges (Cont'd)

4.6.2 Switched Transport (Cont'd)

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4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.2 Switched Transport (Cont'd)

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4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.3 End Office Services

		<u>Rate</u>	
(A)	<u>800/877/888 Data Base Query Service</u>		
	Basic, per Query	\$.0002	(R)
	Premium, per Query	\$.0002	(R)
		<u>Originating</u>	<u>Terminating</u>
(B)	<u>End Office Switching - Bundled (EOLS1, EOLS2) – Non 800/877/888</u>		
	The bundled rates for End Office Switching are based on originating and terminating Access Minutes.		
	EOLS1 and EOLS2, Premium,		
	Per Access Minute	\$0.006410	.00000000
	Non-Premium, Per Access Minute	\$0.006410	.00000000
(C)	<u>End Office Switching - Unbundled (EOLS1, EOLS2) – Non 800/877/888</u>		
	<u>- Circuit Switched Line</u>		
	The unbundled rates for End Office Switching are based on originating and terminating Access Minutes.		
	EOLS1 and EOLS2, Premium		
	Per Access Minute	\$0.006410	.00000000
	Non-Premium, Per Access Minute	\$0.006410	.00000000
(D)	<u>End Office Switching - Unbundled (EOLS1, EOLS2) – Non 800/877/888</u>		
	<u>- Circuit Switched Trunk</u>		
	The unbundled rates for End Office Switching are based on originating and terminating Access Minutes.		
	EOLS1 and EOLS2, Premium		
	Per Access Minute	\$0.006410	.00000000
	Non-Premium, Per Access Minute	\$0.006410	.00000000
(E)	<u>Shared Trunk Port – Non 800/877/888</u>		
	Per Access Minute	\$0.001143	\$0.0

4. **SWITCHED ACCESS** (Cont'd)

4.6 **Rates and Charges** (Cont'd)

4.6.3 **End Office Services** (Cont'd)

	<u>Originating</u>	(N)
(F) <u>End Office Switching - Bundled (EOLS1, EOLS2) – 800/877/888</u> The bundled rates for End Office Switching are based on originating Access Minutes. EOLS1 and EOLS2, Premium, Per Access Minute	*	
Non-Premium, Per Access Minute	*	
(G) <u>End Office Switching - Unbundled (EOLS1, EOLS2) – 800/877/888</u> <u>- Circuit Switched Line</u> The unbundled rates for End Office Switching are based on originating Access Minutes. EOLS1 and EOLS2, Premium Per Access Minute	*	
Non-Premium, Per Access Minute	*	
(H) <u>End Office Switching - Unbundled (EOLS1, EOLS2) – 800/877/888</u> <u>- Circuit Switched Trunk</u> The unbundled rates for End Office Switching are based on originating Access Minutes. EOLS1 and EOLS2, Premium Per Access Minute	*	
Non-Premium, Per Access Minute	*	
(I) <u>Shared Trunk Port – 800/877/888</u> Per Access Minute	*	(N)

\* See Frontier Telephone Companies Tariff FCC No. 1 for rates.

(N)

4. **SWITCHED ACCESS** (Cont'd)

4.6 **Rates and Charges** (Cont'd)

4.6.4 **Information Surcharge**

The rates for Information Surcharge are based on originating and terminating Access Minutes.

	<u>Rate</u>	
	<u>Originating</u>	(T)
Premium, Per Access Minute – Non 800/877/888	\$0.000395	(C)
Non-Premium, Per Access Minute – Non 800/877/888	\$0.000395	(C)
Premium, Per Access Minute - 800/877/888	**	(N)
Non-Premium, Per Access Minute – 800/877/888	**	(N)
	<u>Terminating</u>	(T)
Premium, Per Access Minute	\$0.0	
Non-Premium, Per Access Minute	\$0.0	

4.6.5 **FGA or BSA-A Usage Sensitive Credit Allowance**

Usage Sensitive Service Credit Allowance		
Credit Per Originating FGA or BSA-A		
Access Minute *	\$0.000000	(T)

4.6.6 **Reserved for Future Use**

4.6.7 **Assumed Minutes of Use Monthly Surrogate**

	<u>MINUTES</u>
Two-Way Line/Trunk	
FGA or BSA-A .....	2,451
FGB or BSA-B .....	#
One-Way Originating Only	
FGA or BSA-A .....	#
FGB or BSA-B .....	#
One-Way Terminating Only	
FGA or BSA-A .....	13,026
FGB or BSA-B .....	#

\* The Credit is applied to the End Office Switching Rate Element in those exchanges where Usage Sensitive Service applies.

\*\* See Frontier Telephone Companies Tariff FCC No. 1 for rates. (N)

# These jurisdictions either have all existing services measured or have no customers at this time. In the event an ASR is received for a new customer and there is no measurement capability for the office requested, a traffic study will be made to establish a surrogate and such surrogate will be tariffed.

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4. **SWITCHED ACCESS** (Cont'd)

4.6 **Rates and Charges** (Cont'd)

4.6.8 (Reserved for Future Use)

4.6.9 (Reserved for Future Use)

4.6.10 **Switched Access Cross Connect**

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
DSO Monthly Rate.....	\$1.25 (R)	\$413.87	(N)
DS1 Monthly Rate .....	\$3.90 (R)	352.85	(N)
DS3 Monthly Rate .....	\$4.80 (R)	1,249.98	(N)

4.6.11 Reserved for Future Use

(T)  
(D)

(D)

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4. SWITCHED ACCESS (Cont'd)

4.6.11 Rates and Charges (Cont'd)

(D)

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**ACCESS SERVICE**

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**5. SPECIAL ACCESS**

**5.1 General**

Special Access provides a transmission path to connect CDLs\* within a Market Service Area for Intrastate Telecommunications. Special Access provided to a customer may be connected directly to customer facilities, through Telephone Company Hub Wire Centers where bridging or multiplexing functions are performed, and/or may be connected to access facilities of another telephone company or companies in the joint provision of Special Access Service as well as may be connected to Switched Access as set forth in Section 4. Special Access Services may also be connected to a customer's transmission equipment and facilities using a DS1 or DS3 Cross Connect arrangement where the customer is provided Expanded Interconnection Service (EIS) as defined in Section 17.

The provision of Switched Access and Special Access in combination is normally for, but not limited to, the use of WATS or WATS-type Access. When Special Access is connected to Switched Access, the terms, conditions and rates for the facilities between the end user's CDL and the WATS Serving Office are as set forth in this section of the tariff; the terms, conditions and rates for the facilities between the WATS Serving Office and the IC's CDL, as well as the switching functionalities (e.g., end user access codes, screening) are as set forth in Section 4 of this tariff.

Special Access can be provided in either analog or digital format. Analog formats are differentiated by spectrum and bandwidth. Digital formats are differentiated by bit rate. The specific types of Special Access provided are described in 5.2 following.

\* Telephone Company CENTREX CO-like switches are considered to be CDLs for the purposes of this tariff.

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**ACCESS SERVICE**

**5. SPECIAL ACCESS (Cont'd)**

**5.1 General (Cont'd)**

**5.1.1 Rate Elements**

With the exception of Temporary Videoband Service, there are six basic rate elements which apply to Special Access Service:

- Special Transport (described in 5.1.1(B) following)
- Special Transport Termination (described in 5.1.1(G) following)
- Special Access Line (described in 5.1.1(C) following)
- Special Access Cross Connect (described in 5.1.1(D) following)
- Supplemental Features (described in 5.4 following)
- Multiplexing Arrangements (described in 5.5 following)

The following is a list of Citizens' Open Network Architecture (ONA) Special Access Basic Service Elements (BSEs) which provide a cross-reference to the generic ONA product names.

<u>Generic Name</u>	<u>Citizens Name</u>
Access to Clear Channel Transmission	Clear Channel Capability
Automatic Protection Switching	Automatic Protection Switching
Bridging	Bridging
Conditioning	Conditioning
Multiplexing - Digital 2000	Multiplexing Arrangements

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5. **SPECIAL ACCESS** (Cont'd)

5.1 **General** (Cont'd)

5.1.1 **Rate Elements** (Cont'd)

(A) (Reserved for Future Use)

(B) **Special Transport**

- (1) The Special Transport rate element provides for the transmission facilities between the serving wire centers associated with two CDLs, between a serving wire center associated with an end user's CDL and a WATS Serving Office, between a serving wire center associated with a CDL and a Telephone Company Hub Wire Center or between two Telephone Company Hub Wire Centers. Connection to Telephone Company provided DS1 or DS3 Special Transport within a serving wire center for customers with EIS will require a Special Access Cross Connect arrangement as described in 5.1.1(D).

The Special Transport element is distance sensitive and varies with type of capability (i.e., analog or digital) and type of facility. Special Transport may be provided by more than one telephone company. The method of calculating applicable airline miles for rating purposes for Special Access is specified in 2.7 preceding.

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5. **SPECIAL ACCESS** (Cont'd)

5.1 **General** (Cont'd)

5.1.1 **Rate Elements** (Cont'd)

(B) **Special Transport** (Cont'd)

- (2) Special Transport may be used in conjunction with Switched Access for the purpose of provisioning Originating Only, Terminating Only or Combined Originating/Terminating Access as set forth in 4.2.5(V) preceding. Special Transport employed in this manner provides the FIA for the closed-end of the services between the wire center serving the end user's CDL where WATS Serving Office functions are not available and the WATS Serving Office.

When the necessary WATS Serving Office functions are not provided at the wire center which serves the end user's CDL, the Telephone Company will designate the wire center where the WATS Serving Office functions are available.

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5. **SPECIAL ACCESS** (Cont'd)

5.1 **General** (Cont'd)

5.1.1 **Rate Elements** (Cont'd)

(C) **Special Access Line (SAL)**

- (1) A Special Access Line provides the transmission facilities to a Customer Designated Location (CDL) or the facilities between a CDL and the serving wire center. This rate element varies by type of capability (i.e., analog or digital) and type of facility.

When a Voiceband Special Access service is ordered to be terminated at a customer's designated Interexchange Carrier's all-digital CDL which requires a minimum digital interface level of 1.544 Mbps, the Telephone Company will provide the required interface and assess the customer a Voiceband SAL, for the facility between the all-digital CDL and its serving wire center. All other appropriate charges apply in addition to the Voiceband SAL.

SAL rates for DS3 offerings vary with the level of capacity, number of services and whether the interface provided is electrical or optical.

Installation of DS1/DS3 SALs is as set forth in 5.6.1(E). The applicable rates are the nonrecurring charge and monthly rate set forth per DS1/DS3 SAL installed.

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5. SPECIAL ACCESS (Cont'd)

5.1 General (Cont'd)

5.1.1 Rate Elements (Cont'd)

(C) Special Access Line (SAL) (Cont'd)

(1) (Cont'd)

The selection of a Terminating Option, as defined in 5.3, is required for terminating the network portion of a Special Access Line at a CDL. Terminating Options provide a clearly delineated interface which facilitates the design, isolation, and testing of the Special Access. For DS3/DS3C Special Access, the customer may specify either an electrical or optical interface as set forth in 3.1.1(F).

One Special Access Line charge applies per CDL at which the facility is terminated. This charge applies even if the facilities to the CDL do not transit a serving wire center; this charge also applies if the CDL and the serving wire center are co-located in a Telephone Company building. Connection to Telephone Company provided DS1 or DS3 SALs within a serving wire center for customers with EIS will require a Special Access Cross Connect arrangement as described in 5.1.1(D). The Special Access Line charge used with a Switching Interface, as set forth in (2) below, is applicable only for the transmission facilities between the end user's CDL and the serving wire center of that location.

For the avoidance of any doubt when a customer orders Special Access Service to a Telephone Company Switch, that switch is a customer designated location (CDL) where the Special Access terminates. (N) | (N)

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5. **SPECIAL ACCESS** (Cont'd)

5.1 **General** (Cont'd)

5.1.1 **Rate Elements** (Cont'd)

(C) **Special Access Line (SAL)** (Cont'd)

- (2) A Special Access Line may be provided in conjunction with FGA, FGB, FGC, FGD, BSA-A, BSA-B, BSA-C and BSA-D Switched Access Service for the purpose of Originating Only, Terminating Only, or Combined Originating and Terminating Access as set forth in 4.2.1 and 4.2.2. A Switching Interface is required for the provision of this service as set forth in 4.2.5(V). The Special Access Line provides the closed-end of the dedicated facilities between an end user's CDL and its serving wire center. This serving wire center may or may not be a WATS Serving Office. In those instances when the serving wire center is not a WATS Serving Office Special Transport is applicable as set forth in 5.1.1(B) to the nearest Telephone Company WATS Serving Office.

The Switched Access used in conjunction with the Special Access Line provides various standard switching functionalities and optional arrangements as set forth in Section 4.2.5(V).

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5. **SPECIAL ACCESS** (Cont'd)

5.1 **General** (Cont'd)

5.1.1 **Rate Elements** (Cont'd)

(C) **Special Access Line (SAL)** (Cont'd)

(2) (Cont'd)

All Special Access Lines used with a Switching Interface are:

- provided with dial pulse address signaling or Dual Tone Multifrequency (DTMF) address signaling and either loop start or ground start supervisory signaling. The type of signaling is the option of the customer.
- available as either a two-wire or four-wire Voiceband Special Access Service (i.e., 300-3000 Hz bandwidth). Each transmission path is provided at the option of the customer with transmission specifications as described in Section 7000 of the GTE Technical Interface Reference Manual.

All rules and regulations pertaining to Special Access are applicable to Special Access Lines used with a Switching Interface. Rates and Charges are found in 5.7.5 for two-wire and four-wire Voiceband Special Access Lines.

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**5. SPECIAL ACCESS (Cont'd)****5.1 General (Cont'd)****5.1.1 Rate Elements (Cont'd)****(C) Special Access Line (Cont'd)****(2) (Cont'd)**

A customer may also order high capacity facilities from an end user's CDL to a Telephone Company Hub for the purpose of originating or terminating Special Access Lines used with a Switching Interface. High capacity to voice multiplexing will be required at the Hub. The customer will be required to submit an ASR for the high capacity facility and voice multiplexing. The customer will also be required to submit an ASR(s) for the individual Voiceband SALs specifying the channel facility assignment (CFA) for each service. This Hub may or may not be a WATS Serving Office. In those instances when the Hub is not a WATS Serving Office, Voiceband Special Transport is applicable as set forth in 5.1.1(B), for each individual Special Access Line used with a Switching Interface to the Telephone Company designated WATS Serving Office.

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5. **SPECIAL ACCESS** (Cont'd)

5.1 **General** (Cont'd)

5.1.1 **Rate Elements** (Cont'd)

(D) **Special Access Cross Connect**

The Special Access Cross Connect charge provides the communications path between Telephone Company provided 64 Kbps DDS (DSO), DS1 or DS3 Special Access Lines or Special Access Transport and a customer's transmission equipment and facilities where the customer is provided EIS as defined in Section 17. The Special Access Cross Connect charge may also provide the communications path between a customer's transmission equipment and facilities where the customer is provided EIS and EIS arrangements of another customer. The Cross Connect arrangement may connect directly to 64 Kbps DDS (DSO), DS1 or DS3 Services or to a 64 Kbps DDS (DSO), DS1 or DS3 multiplexing arrangement. The Cross Connect charge applies per 64 Kbps DDS (DSO), DS1 or DS3 connection. Rates for 64 Kbps DDS (DSO), DS1 and DS3 Cross Connect arrangements in 5.10 will apply in addition to other charges as specified in Section 17.

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**5. SPECIAL ACCESS (Cont'd)****5.1 General (Cont'd)****5.1.1 Rate Elements (Cont'd)****(E) Supplemental Features**

Supplemental Features may be added to a Special Access circuit to improve its quality or utility to meet specific communications requirements. These are not necessarily identifiable with specific facilities, but rather represent the end result in terms of performance characteristics which may be obtained. These characteristics may be obtained by using various combinations of facilities. Although the facilities necessary to perform a specified function may be installed at various locations along the path of the Special Access circuit, including the CDL, it will be provided for as a single rate element.

Examples of Supplemental Features that are available include, but are not limited to, bridging and conditioning. Each Supplemental Feature is described in 5.4, and rates are set forth in 5.7.

**(F) Multiplexing Arrangements**

Multiplexing provides for arrangements to convert a single higher capacity or bandwidth circuit for bulk transport to several lower capacity or bandwidth circuits. Multiplexing is only available at a Telephone Company designated Hub Wire Center arranged for multiplexing. All types of multiplexing may not be available at each Hub Wire Center. Refer to Section 5.6.6 for a description of Hub Wire Center. Descriptions for each type of multiplexing arrangements are provided in 5.5 following, and rates are set forth in 5.7 following.

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5. **SPECIAL ACCESS** (Cont'd)

5.1 **General** (Cont'd)

5.1.1 **Rate Elements** (Cont'd)

(G) **Special Transport Termination**

(1) **DS1 and DS3 Service**

The Special Transport Termination rate element as set forth in 5.7, applies only to DS1, Individual DS3 and System DS3 offerings and is in addition to the Special Transport rate element. Special Transport Termination provides the equipment and arrangements necessary to terminate the Special Transport facility at a serving wire center. One Special Transport Termination charge applies for the termination of each end of a Special Transport facility for DS1 and DS3 (Individual and Systems) offerings.

(2) **Fractional T1 Service (FT1)**

For Fractional T1 Service, Special Transport Termination must be ordered as Fractional Special Transport Termination in the same grouping (N x 56 Kbps or N x 64 Kbps where N = 2, 4, or 6) as the associated FT1 SALs.

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5. **SPECIAL ACCESS** (Cont'd)

5.1 **General** (Cont'd)

5.1.2 **Special Access Configurations**

There are two types of facility configurations over which Special Access Services are provided - two-point and multipoint.

(A) **Two-point Service**

A two-point configuration is a circuit which is provided to connect two CDLs, either directly connected or through a Hub Wire Center where multiplexing functions are performed, or a CDL and a WATS Serving Office.

All Special Access offerings may be provided as a two-point configuration.

With the exception of Temporary Videoband Service, applicable rate elements are:

- Special Access Lines
- Special Transport (when applicable)
- Special Transport Termination (when applicable)
- Supplemental Features (when applicable)
- Multiplexing Arrangements (when applicable)

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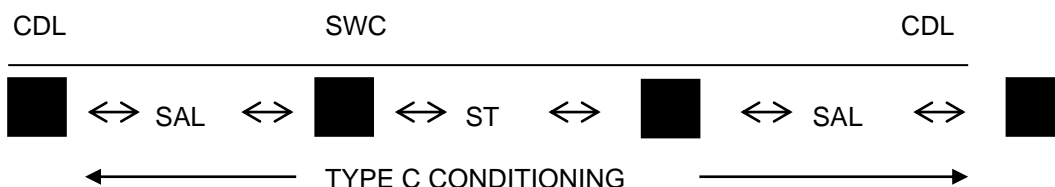
5. **SPECIAL ACCESS (Cont'd)**

5.1 **General (Cont'd)**

5.1.2 **Special Access Configurations (Cont'd)**

(A) **Two-point Service (Cont'd)**

The following diagram depicts a typical two-point service connecting two CDLs. The service is provided with the supplemental feature of Type C Conditioning:



SAL - Special Access Line  
ST - Special Transport  
SWC - Serving Wire Center  
CDL - Customer Designated Location

Applicable rate elements are:

- Special Access Line (2 applicable)
- Special Transport (per airline mile between SWCs)
- Supplemental Feature of Type C Conditioning (2 applicable)

In addition, a Special Access Surcharge, as set forth in 5.6.9 following, and a Message Station Equipment Recovery Charge, as set forth in 5.6.10 following may be applicable.

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5. **SPECIAL ACCESS** (Cont'd)

5.1 **General** (Cont'd)

5.1.2 **Special Access Configurations** (Cont'd)

(B) **Multipoint Service**

A multipoint configuration is a circuit that is provided to connect three or more CDLs through a Telephone Company Hub Wire Center.

Only Voiceband, Program Audio, Digital Data Service facilities, and Miscellaneous Services where so designated, will be provided as multipoint configurations. There is no limitation on the number of mid-links, but the use of more than three mid-links in tandem may degrade the quality of the multipoint facilities. A mid-link is defined as the Special Transport facilities between Hub Wire Centers where the circuit is bridged and/or where circuit switching devices, such as loop transfer arrangement, are located.

Multipoint Service is provided in the following manner:

- (1) Special Access Line per CDL to their respective serving wire centers.
- (2) Special Transport between serving wire centers associated with the CDLs and the Hub Wire Center.
- (3) Special Transport between Hub Wire Centers.
- (4) Supplemental Features: Bridging equipment for each bridging location and other Supplemental Features when applicable.
- (5) (Reserved for Future Use)
- (6) Multiplexing Arrangements when applicable.

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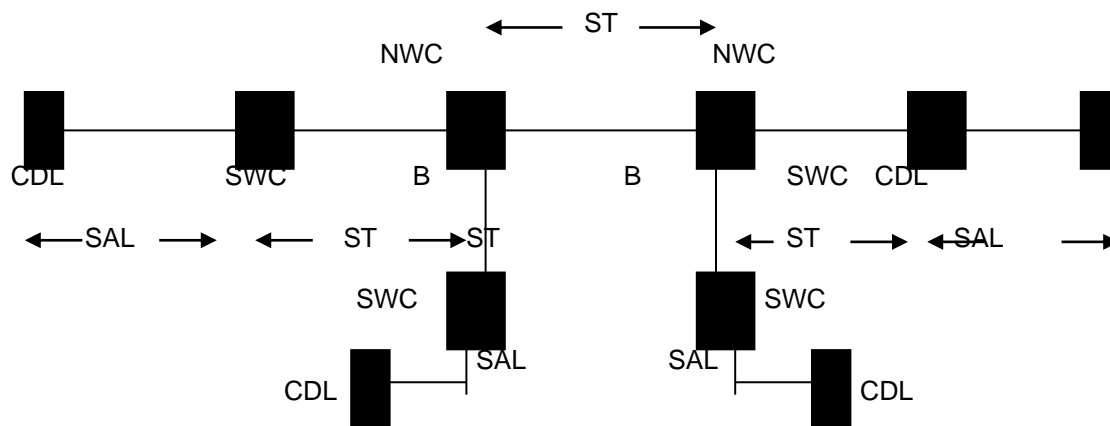
**5. SPECIAL ACCESS (Cont'd)**

**5.1 General (Cont'd)**

**5.1.2 Special Access Configurations (Cont'd)**

**(B) Multi-point Service (Cont'd)**

The following diagram depicts a multipoint service connecting four CDLs via two customer specified Hub Wire Centers:



SAL - Special Access Line  
ST - Special Transport  
SWC - Serving Wire Center  
CDL - Customer Designated Location  
HWC - Hub Wire Center  
B - Bridging

Applicable rate elements are:

- Special Access Lines (4 applicable)
- Special Transport (5 segments, per airline between SWCs and HWCs)
- Bridging (6 applicable, one per bridge port)

In addition, the Special Access Surcharge, as set forth in 5.6.9 following, and the Message Station Equipment Recovery Charge, as set forth in 5.6.10 may be applicable.

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**5. SPECIAL ACCESS (Cont'd)**

**5.1 General (Cont'd)**

**5.1.3 Special Facilities Routing**

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

**5.1.4 Design Layout Report**

The Telephone Company will provide to the customer the makeup of the Special Access provided under this tariff to aid the customer in designing its overall service. This information will be provided in the form of a Design Layout Report and will include the following:

Cable gauge, length and loading.  
Makeup (e.g., T-Carrier, two-wire, four-wire, etc.)  
Specific pair of circuit assignment at the customer designated location.

The Design Layout Report will be provided to the customer within fourteen working days from the ASR Date. Updated reports will be reissued within fourteen working days whenever facilities provided to the customer are materially changed. Both the initial and updated Design Layout Reports will be provided to the customer at no charge.

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**5. SPECIAL ACCESS (Cont'd)**

**5.1 General (Cont'd)**

**5.1.5 Acceptance Testing**

At the time of installation, the following test parameters apply:

- (A) For Voiceband services, acceptance testing will include tests for loss, 3-tone slope, DC continuity, operational signaling, C-notched noise, and C-message noise.

When the Interface Arrangement provides a four-wire voice transmission facility and the point of termination provides two-wire voice transmission (i.e., there is a four-wire to two-wire conversion at the point of termination) balance tests are also included in acceptance testing. When performing installation and acceptance testing, the Telephone Company will test the access service within the MSA.

On four-wire and effective four-wire circuits where the Network Channel Terminating Equipment (NCTE) has the capability of being remotely aligned, the Telephone Company may perform acceptance testing without a Telephone Company technician at the customer's premises. Should the customer request a technician be present at the customer's premises, additional charges will apply as set forth in Section 6.2(C). The applicable rates are in Section 6.2(G).

If the NCTE at the customer's premises does not have the capability of being aligned remotely, the additional charges will not apply. The Telephone Company will determine the type of NCTE placed at a customer's premises.

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5. **SPECIAL ACCESS** (Cont'd)

5.1 **General** (Cont'd)

5.1.5 **Acceptance Testing** (Cont'd)

- (B) For other analog services (i.e., Program Audio, Video, Wideband Analog and Wideband Data Services) and for digital services (i.e., High Capacity Digital Services), acceptance testing will include tests for the parameters applicable to the service as set forth in Section 7000 of the GTE Technical Interface Reference Manual for each of these services.

When the customer requests the performance of additional cooperative tests which are not required to meet these specified performance parameters, charges as set forth in 6.6(B) following will apply. All test results will be made available to the customer upon request.

If acceptance tests are not started within 15 minutes after pre-service tests have been completed and the customer has been notified by the Telephone Company, additional charges may apply, as set forth in 6.2 following, unless the delay is caused by the Telephone Company.

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5. **SPECIAL ACCESS** (Cont'd)

5.1 **General** (Cont'd)

5.1.6 **Ordering Conditions**

Ordering conditions are set forth in detail in Section 3. preceding. Also included in that section, are other charges which may be associated with ordering Special Access (e.g., Service Date Change Charges, Cancellation Charges, etc.).

(A) **Determination of Jurisdiction of Mixed Use Special Access Lines**

When mixed interstate and intrastate Special Access Service is ordered, the jurisdiction will be determined as follows:

1. If the customer's estimate of the interstate traffic on the physically intrastate line involved constitutes 10% or less of the total traffic on that line, the line will be ordered and provided in accordance with the applicable rules and regulations of this tariff.
2. If the customer's estimate of the interstate traffic on the physically intrastate line involved constitutes more than 10% of the total traffic on that line, the line will be ordered and provided in accordance with the applicable rules and regulations of the appropriate interstate tariff.

(B) **Special Access Jurisdictional Verification**

If a billing dispute arises or a regulatory commission questions the customer's certification of the jurisdiction of the line the Telephone Company will ask the customer to provide the data used to determine the jurisdiction. The customer shall supply the data within 30 days of the Telephone Company's request. The customer shall keep records of system design and functions from which the jurisdiction can be ascertained and upon request of the Telephone Company make the records available for inspection as reasonably necessary for purposes of verification of the jurisdiction of the service.

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**5. SPECIAL ACCESS (Cont'd)**

**5.2 Description of Special Access**

There are seven generic types of Special Access offerings. They are:

- Voiceband
- Program Audio
- Videoband
- Wideband Analog
- Wideband Data \*
- High Capacity Digital
- Digital Data Service

Each type has its own characteristics, and are subdivided by one or more of the following:

- Transmission specifications
- Bandwidth
- Speed (i.e., bit rate)
- Spectrum

The Special Access offerings described below are comprised of a combination of the rate elements described in 5.1.1. The following descriptions indicate the most effective use for each facility. Customer use for purposes other than those indicated is limited only to the extent that such use must not harm the network. Further, the Telephone Company does not guarantee transmission performance beyond the parameters identified in the descriptions.

The transmission performance characteristics of each Special Access offering are stated in Section 7000 of the GTE Technical Interface Reference Manual. The Telephone Company will maintain existing transmission specifications on services installed prior to the effective date of this tariff, except that existing services with performance specifications exceeding the standards in the GTE Technical Interface Reference Manual will be maintained at the performance level specified in the manual. Where transmission performance characteristics are required other than those as stated in Section 7000 of the GTE Technical Interface Reference Manual, the Telephone Company will review, and where technically feasible, will develop rates and charges for the additional costs associated with provisioning the parameters. These rates and charges will be filed on an individual case basis in Section 5.9 and will apply in addition to all other applicable rates and charges.\* Limited to those offerings in service as of May 30, 1992.

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**5. SPECIAL ACCESS (Cont'd)**

**5.2 Description of Special Access (Cont'd)**

The customer also has the option of ordering Voiceband and analog and digital high capacity facilities to a Telephone Company Hub for multiplexing to individual channels of a lower capacity or bandwidth. Descriptions of the types of multiplexing available at the Hubs, as well as the number of individual channels which may be derived from each type of facility, are set forth in 5.5. Additionally, the customer may specify supplemental features for the individual channels derived from the facility to further tailor the channel to meet specific communications requirements. Descriptions of the supplemental features available are set forth in 5.4.

For example, a customer may order a DS3 from a CDL to a Telephone Company Hub for multiplexing to 28 DS1 channels. The DS1 channels may be further multiplexed at the same or a different Hub to Voiceband channels or may be extended to other CDLs. Optional features may be added to either the DS1 or the Voiceband channels.

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5. **SPECIAL ACCESS** (Cont'd)

5.2 **Description of Special Access** (Cont'd)

5.2.1 **Voiceband**

(A) **Two-Wire Voiceband Facility**

These facilities are unconditioned and are capable of transmitting voice or data signals within the frequency spectrum of approximately 300 Hz to 3000 Hz. These facilities are furnished on a two-point or multipoint basis and may be terminated two-wire or four-wire at the point of termination. They permit the simultaneous transmission of information in both directions over a circuit, but it is not possible to ensure independent information transmission in both directions. Supplemental features may be added, at applicable charges, to enhance the operational capabilities of these facilities.

(B) **Four-Wire Voiceband Facility**

These facilities are unconditioned and are capable of transmitting voice or data signals within the frequency spectrum of approximately 300 Hz to 3000 Hz. The facilities are furnished on a two-point or multipoint basis and may be terminated two-wire or four-wire at the point of termination. When terminated four-wire, they permit simultaneous independent transmission of information in both directions over a circuit. However, when terminated two-wire, simultaneous independent transmission cannot be supported. Supplemental features may be added, at applicable charges, to enhance the operational capabilities of these facilities.

5.2.2 **(Reserved for Future Use)**

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5. **SPECIAL ACCESS** (Cont'd)

5.2 **Description of Special Access** (Cont'd)

5.2.3 **Program Audio**

These facilities are arranged and provided for the transmission of non broadcast audio or which is to be used in connection with loudspeakers, wired music, closed circuit or recordings. Audio facilities are furnished for transmission in one direction. Facilities for broadcast Program Audio are available from the Telephone Company's Facilities for Interstate Access Tariff, GTOC FCC No. 1. Audio facilities may be provided on a two-point or multipoint basis.

Program audio facilities are provided on either a full-time or part-time basis. The minimum periods for full-time and part-time service are set forth in 3.2.4. When a part-time program audio service is provided for ten or more consecutive days it will be treated as a full-time service and rated accordingly. In no event will the charge for continuous part-time program audio exceed the amount that would have been charged in the same time period for full-time program audio facilities.

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5. **SPECIAL ACCESS** (Cont'd)

5.2 **Description of Special Access** (Cont'd)

5.2.3 **Program Audio** (Cont'd)

Listed below are the types of Program Audio facilities that are offered under this tariff.

(A) 200 to 3500 Hz

Facilities are generally acceptable for speech quality programming and are subject to use over limited distance due to transmission factors.

(B) 100 to 5000 Hz

Facilities are generally acceptable for music and provide good quality speech programming.

(C) 50 to 8000 Hz

Facilities for the provision of high fidelity music transmission.

(D) 50 to 15000 Hz

Facilities for the provision of high fidelity music transmission. Two such facilities may be conditioned, at applicable charges, for stereo operation.

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5. **SPECIAL ACCESS** (Cont'd)

5.2 **Description of Special Access** (Cont'd)

5.2.4 **Videoband**

These facilities are arranged and provided for the transmission of closed circuit television or used in connection with viewing or recording. Facilities for broadcast television are available from the Telephone Company's Facilities for Interstate Access Tariff, GTOC FCC No. 1.

The facilities are furnished for two point transmission in one direction only of United States 525 line/60 field standard monochrome and National Television Systems Committee (NTSC) color television baseband video signals and the associated audio signals.

(A) **Videoband Services - Type I**

Videoband Services - Type I are provided on a full-time or part-time (temporary) basis. The minimum periods are set forth in 3.2.4 and 3.2.5 preceding. The monthly rates and nonrecurring charges for full-time Videoband Service - Type I will be developed on an Individual Case Basis. The hourly rates and nonrecurring charges for temporary service are those set forth in Section 5.7.4(A).

There is a maximum monthly charge that may be assessed to any temporary Videoband Service -Type I as described in 5.6.1(C).

Technician Standby is a nonoptional arrangement furnished only in conjunction with temporary Videoband Service - Type I. Technician Standby provides for Telephone Company monitoring of the temporary video broadcast to ensure satisfactory transmission. The Telephone Company will determine the location of the video technician. At the option of the customer, additional technicians will be made available during the temporary Videoband - Type I broadcast; the customer will be assessed the Technician Standby charge, as set forth in Section 5.7.4(A), for each additional technician.

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5. **SPECIAL ACCESS** (Cont'd)

5.2 **Description of Special Access** (Cont'd)

5.2.4 **Videoband** (Cont'd)

(A) Videoband Services - Type I

A customer may request (as an option) an active, alternate temporary Type I Videoband transmission path for use in the event that the primary service becomes inoperative. This is referred to as a "hot standby" facility. The charge for this additional service will be the nonrecurring charges and hourly rates set forth in Section 5.7.4(A) for Temporary Videoband - Type I Facilities. Technician Standby charges are not applicable to the "hot standby" facility.

(B) (Reserved for Future Use)

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5. **SPECIAL ACCESS** (Cont'd)

5.2 **Description of Special Access** (Cont'd)

5.2.5 **Wideband Analog**

These facilities are two point and are furnished between CDLs or between a CDL and a Telephone Company designated Hub Wire Center where multiplexing is offered. The three types of Wideband Analog facilities are:

- (A) Group band facilities with a bandwidth from 60 Khz to 108 Khz for the transmission of a 12 circuit frequency division multiplexer (FDM) group.
- (B) Supergroup band facilities with a bandwidth from 312 Khz to 552 Khz for the transmission of a 60 circuit FDM supergroup.
- (C) Mastergroup band facilities with a bandwidth from 564 Khz to 3084 Khz for the transmission of a 600 circuit FDM mastergroup.

5.2.6 **Wideband Data Service** \*

These analog facilities are arranged and furnished for two-point simultaneous two-way transmission of high speed data between two CDLs. These facilities are normally utilized for the following data speeds: 19.2 Kbps, 50 Kbps, 56 Kbps and 230.4 Kbps.

\* Limited to those services so equipped and in service as of May 30, 1992.

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**5. SPECIAL ACCESS (Cont'd)****5.2 Description of Special Access (Cont'd)****5.2.7 High Capacity Digital**

These facilities are two point and are furnished between CDLs or between a CDL and a Telephone Company designated Hub Wire Center where multiplexing is offered. High Capacity facilities may be used to provide Special Access Lines as set forth in 5.1.1(C)(2). A High Capacity to Voice multiplexing arrangement, as described in Section 5.5, is required at the Hub Wire Center. High Capacity DS1 and DS3 services may also be connected to customer transmission equipment and facilities where the customer is provided EIS as defined in Section 17.

- (A) DS1 facilities provide for the transmission of isochronous bipolar serial data at a rate of 1.544 Mbps.
- (B) DS1C facilities provide for the transmission of isochronous bipolar serial data at a rate of 3.152 Mbps.
- (C) FT1 facilities are furnished for the transmission of isochronous bipolar serial data and are available at transmission rate groupings of N x 56 Kbps or N x 64 Kbps where N equals 2, 4, or 6. FT1 channels are contiguous within the network and can be used to create a wideband circuit using customer provided equipment. When N x 64 FT1 is ordered in conjunction with DS1 service for multiplexing purposes, the DS1 must have Clear Channel Capability as described in 5.8.5. FT1 Service at a rate of N x 64 Kbps will only be provided where Clear Channel capability is available in the network. Where Clear Channel Capability is not available, N x 56 Kbps service can be provided in lieu of N x 64 Kbps.

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**5. SPECIAL ACCESS (Cont'd)**

**5.2 Description of Special Access (Cont'd)**

**5.2.7 High Capacity Digital (Cont'd)**

- (D) FiberConnect service facilities which are only available as an OPP, provide for the transmission of an isochronous serial data stream at a rate of 6.312 Mbps, encoded and converted to a signal suitable for optical transport. FiberConnect service is transmitted on fiber optic cable. When FiberConnect is provided with a fiber optic interface at the CDL, a single transmission channel is provided with a data rate dependent on the Telephone Company fiber optic terminal equipment used to provision the facility. When FiberConnect is provided with an electrical interface, four transmission channels of 1.544 Mbps each are provided at the interface.

Fiber Optic Interface denotes the termination of service with single mode fiber optic cable at the customer premises. When this interface is selected, it is the customer's responsibility to provide the optical line termination at his premises. This equipment must be compatible with the Telephone Company provided equipment.

FiberConnect is offered only on a protected basis between a CDL and its serving wire center. FiberConnect is not available with multipoint services. Special Transport between serving wire centers for FiberConnect is ordered as 1, 2, 3 or 4 DS1s.

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**5. SPECIAL ACCESS (Cont'd)**

**5.2 Description of Special Access (Cont'd)**

**5.2.7 High Capacity Digital (Cont'd)**

- (E) DS3 facilities provide for the transmission of isochronous bipolar serial data at a rate of 44.736 Mbps. The Telephone Company will provide either an interface with Telephone Company electronics (electrical) or without Telephone Company electronics (optical) at the option of the customer. Ordering conditions are set forth in 3.1.1(F). EIS is not available with DS3 services provided with an optical interface.
  
- (F) DS3C facilities provide for the transmission of isochronous bipolar serial data at a rate of 89.472 Mbps. The Telephone Company will provide an optical interface with this service unless the service is provided via microwave, in which case an electro-magnetic interface is provided, or unless the customer requests an electrical interface. Ordering conditions are set forth in 3.1.1(F).

**5.2.8 (Reserved for Future Use)**

**5.2.9 Digital Data Service**

Facilities for Digital Data Service are furnished for the simultaneous two-way transmission of synchronous data and are available at transmission speeds of: 2.4 Kbps, 4.8 Kbps, 9.6 Kbps, 19.2 Kbps, 56 kbps or 64 Kbps. Digital Data facilities may be provided on a two-point or multipoint basis.

**5.2.10 Miscellaneous Special Access Services**

A description of each service provided under Miscellaneous Special Access Services, along with the rates is set forth in 5.8 following. Other Special Access rate elements may apply in addition to those found in 5.8.

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**5. SPECIAL ACCESS (Cont'd)****5.3 Description of Terminating Options**

Terminating Options provide a clearly delineated interface between Telephone Company and customer facilities at the point of termination at the CDL. Terminating Options facilitate the design, isolation, and testing of the Special Access. The description of each Termination Option defines the most effective use of the Terminating Option. The technical parameters of each type of associated interface are set forth in Section 7000 of the GTE Technical interface Reference manual. Although a customer is not restricted from alternate applications, except where such application is harmful to the network, the Telephone Company cannot guarantee technical performance for other than the applications stated below. Terminating Options are nonchargeable.

**5.3.1 Narrowband****(A) 0 to 75 Baud Type 1**

Provides standard open/closed 20 or 62 Ma energized interface to customer terminal equipment and converts customer terminal equipment signals to voice frequency signaling for transmission over two-wire or four-wire network facilities suitable for voice grade to narrowband multiplexing. This terminating option is obsolete and is limited to those circuits so equipped and in service as of May 30, 1992.

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5. **SPECIAL ACCESS** (Cont'd)

5.3 **Description of Terminating Options** (Cont'd)

5.3.1 **Narrowband** (Cont'd)

(B) 0 to 75 Baud Type 2

Provides two-wire or four-wire metallic interface for customer or Telephone Company energized circuits. Telephone Company energized circuits are only available in conjunction with voice grade to narrowband multiplexing. This option does not guarantee dc current operation over special transport facilities. This terminating option is obsolete and is limited to those circuits so equipped and in service as of May 30, 1992.

(C) 0 to 150 Baud

Provides standard RS-232C interface to customer terminal equipment and converts customer terminal equipment signals to voice frequency signaling for transmission over two-wire or four-wire facilities. This termination option is obsolete and is limited to those circuits so equipped and in service as of May 30, 1992.

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**5. SPECIAL ACCESS (Cont'd)****5.3 Description of Terminating Options (Cont'd)****5.3.2 Voice Grade****(A) Two-Wire Voice Grade, Non-Data, Without Signaling**

This option provides a two-wire interface to a customer and terminates an effective two-wire facility furnished for voice transmission only. Customer provided signaling must be limited to tones in the voiceband. Customer provided voiceband signaling equipment must limit transmission power to 0.0 dBm peak and -13 dBm average power over a three-second period.

**(B) Four-Wire Voice Grade, Non-Data, Without Signaling**

This option provides a four-wire interface to the customer terminal equipment and terminates an effective four-wire facility furnished for voice transmission only. Customer provided signaling must be limited to tones in the voiceband. Customer provided voiceband signaling equipment must limit transmission power to 0.0 dBm peak and -13 dBm average power over a three-second period.

**(C) Voice Grade Data Termination**

This option provides a two-wire or four-wire transmission interface to a customer's private line data modem and terminates an effective four-wire facility furnished for voiceband data transmission.

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**5. SPECIAL ACCESS (Cont'd)**

**5.3 Description of Terminating Options (Cont'd)**

**5.3.2 Voice Grade (Cont'd)**

(D) Two-Wire Voice Grade Station Connecting Facility Termination

This option provides a means to terminate an effective two-wire facility or an effective four-wire facility with a two-wire customer interface on a telephone, key system, PBX, ACD, or similar equipment. This option is normally used to terminate facilities that furnish foreign central office service, the station end of PBX off premises service, or private switched service network access lines. The option provides both the transmission and loop signaling functions normally associated with these services. The option is also used to terminate facilities arranged with automatic ringdown signaling. This option provides the loop and ringdown signaling with the facility.

(E) Four-Wire Voice Grade Station Connecting Facility Termination

A terminating option similar to (D) preceding used to terminate effective four-wire foreign central office service. The option provides a four-wire transmission interface to the customer terminal equipment and the loop signaling function normally associated with these services. This option provides the loop and ringdown signaling with the facility.

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**5. SPECIAL ACCESS (Cont'd)****5.3 Description of Terminating Options (Cont'd)****5.3.2 Voice Grade (Cont'd)****(F) Two-Wire Station Connecting Facility Termination for the Open End of an Off Premises PBX Extension**

Terminating options are available depending on the signaling range of the PBX (or similar system) as defined in Part 68 of the FCC Rules and Regulations. Type 1 is an option requiring range extension equipment at the CDL. Type 2 is an option with no range extension equipment at the CDL. If needed, the loop signaling range equipment for Type 1 must be specifically specified, see Section 5.4.4 following for available arrangements.

**(G) Dial Repeating Tie Trunk Termination**

Two network terminating options are provided for terminating effective four-wire transmission facilities used to furnish dial repeating tie trunk services. These options are described in terms of the interface they provide to a PBX (or similar system).

- (1) A Type I tie line termination provides the customer with a two-wire transmission interface and includes either two-wire or four-wire E&M type signaling. Transmission and signaling interface options available are described in Part 68 of the FCC Rules and Regulations. This option provides the E&M type signaling with the facility.
- (2) A Type III tie line termination provides the customer with a four-wire transmission interface and includes either two-wire or four-wire E&M type signaling. Transmission and signaling options available are described in Part 68 of the FCC Rules and Regulations. This option provides the E&M signaling with the facility.

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**5. SPECIAL ACCESS (Cont'd)**

**5.3 Description of Terminating Options (Cont'd)**

**5.3.3 Program Audio**

(A) 200 to 3500 Hz

Provides standard program audio interface levels and impedance matching to two-wire network facilities.

(B) 100 to 5000 Hz, 50 to 8000 Hz, and 50 to 15000 Hz

Provides standard program audio interface levels, circuit equalization and impedance matching to two-wire network facilities.

**5.3.4 Videoband**

Provides a Videoband Special Access Line interface for use in providing the one way transmission of video signals.

Standard Videoband service is provided via one signal (combined video and audio). It includes a one-way or two-way transmission of standard 525 lines/60 fields monochrome or NTSC color video signal, and one or two associated 15 KHz audio signals.

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**5. SPECIAL ACCESS (Cont'd)**

**5.3 Description of Terminating Options (Cont'd)**

**5.3.5 Wideband Data Service \***

- (A) Provides a Wideband Data Service Special Access interface for use in providing two-way transmission of sequential synchronous or nonsynchronous data at rates of 19.2, 50 or 230.4 Kbps; or sequential synchronous bipolar data signals at a rate of 56 Kbps over four-wire facilities.
- (B) (Reserved for Future Use)

**5.3.6 High Capacity Digital**

(A) High Capacity Digital DS1

Provides a High Capacity Digital DS1 Special Access interface for use in providing simultaneous two-way transmission of isochronous bipolar serial data signals at the rate of 1.544 Mbps.

(B) High Capacity Digital DS1C

Provides a High Capacity Digital DS1C Special Access interface for use in providing simultaneous two-way transmission of isochronous bipolar serial data signals at the rate of 3.152 Mbps.

(C) Fractional T1 Service

Provides a DS1 Special Access interface for use in providing simultaneous two-way transmission of isochronous bipolar serial data signals and is limited to groupings of N x 56 Kbps or N x 64 Kbps where N equals 2, 4, or 6.

\* Limited to those services so equipped and in service as of May 30, 1992.

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5. **SPECIAL ACCESS** (Cont'd)

5.3 **Description of Terminating Options** (Cont'd)

5.3.6 **High Capacity Digital** (Cont'd)

(D) **FiberConnect Service**

Provides a High Capacity Digital Special Access interface for use in providing simultaneous two-way transmission of isochronous bipolar serial data. The Telephone Company, at the option of the customer, will provide either an electrical or a fiber optic interface. The electrical interface option provides four electrical channels at 1.544 Mbps each. The fiber optic interface option is provided on a single mode fiber and terminates on fiber optic connectors. The 6.312 Mbps signal will be made up of four transmission channels of 1.544 Mbps each and will be encoded to an optical data rate dependent on the fiber optic terminal equipment used by the Telephone Company to provision the facility. When the optical interface is selected, it is the customer's responsibility to provide the optical line termination at his premises. This equipment must be compatible with the equipment provided by the Telephone Company. Service will be provided on a one for one protected basis only.

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**5. SPECIAL ACCESS (Cont'd)****5.3 Description of Terminating Options (Cont'd)****5.3.6 High Capacity Digital (Cont'd)****(E) High Capacity Digital DS3**

Provides a High Capacity Digital DS3 Special Access interface for use in providing simultaneous two-way transmission of isochronous bipolar serial data signals at the rate of 44.736 Mbps. The Telephone Company will provide either an interface with Telephone Company electronics (electrical) or without Telephone Company electronics (optical) as specified by the customer. EIS is not available with DS3 services provided with an optical interface. Ordering conditions are set forth in 3.1.1(F).

**(F) High Capacity Digital DS3C**

Provides a High Capacity Digital DS3C Special Access interface for use in providing simultaneous two-way transmission of isochronous bipolar serial data signals at the rate of 89.472 Mbps. The Telephone Company will provide an optical interface with this service unless the service is provided via microwave, in which case, an electromagnetic interface is provided, or unless the customer requests an electrical interface. Ordering conditions are set forth in 3.1.1(F).

**5.3.7 Digital Data Service (DDS)**

Provides DDS Special Access interface for use in providing simultaneous two-way transmission of sequential bipolar data signals at transmission speeds of 2.4 Kbps, 4.8 Kbps, 9.6 Kbps, 19.2 Kbps, 56 Kbps or 64 Kbps over four-wire facilities.

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**5. SPECIAL ACCESS (Cont'd)****5.4 Description of Supplemental Features**

Supplemental Features are items which can be added to a Special Access service to provide enhanced capabilities or improve its utility. References to specific uses or Special Access types indicate the most effective use for each Supplemental Feature. Customer use for other purposes or with other Special Access types is limited only to the extent that such use must not harm the network. Further, the Telephone Company does not guarantee functional operation of Supplemental Features for these alternate applications.

Listed below are the Supplemental Features that are offered under this tariff.

**5.4.1 Bridging**

Bridging is the function of connecting three or more CDLs in a multipoint arrangement. Listed below are those bridging services offered under this tariff.

**(A) Multi-Point Data Bridging**

This feature provides the capability to derive a multipoint data circuit from a single facility and is normally provided on Voiceband facilities provided for transmission of data signals. This function is provided on a per port basis. Polled multipoint data circuits are a typical application of this feature.

**(B) Voice Conference Bridging**

Bridging arrangement to connect multiple Voiceband facilities in order that a voice frequency input signal from any location will be reproduced at the output of all other circuit locations. This function is provided on a per port basis.

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**5. SPECIAL ACCESS (Cont'd)****5.4 Description of Supplemental Features (Cont'd)****5.4.1 Bridging (Cont'd)****(C) Alarm Distribution Bridging**

Provides polling type bridging capabilities, band splitting filters and conversion of four-wire common terminations up to a capacity of 40 two-wire terminations. This function is offered as two tariff elements. The first element provides all shelving and common equipment for a capacity of 40 two-wire terminations. The second element provides a two-wire port. One common equipment rate element will apply to accommodate up to 40 two-wire terminations. One two-wire port charge will apply to each two-wire Special Access Line terminated in the bridge.

**(D) Program Audio Bridging**

An arrangement to provide multiple channel outputs from a single Program Audio or Voiceband facility. This arrangement is provided and rated on a per port basis.

**(E) DDS Bridging**

Provides for a multi-junction unit (MJU) arrangement to bridge 2.4 kbps, 4.8 kbps, 9.6 kbps, 56 kbps or 64 kbps DDS facilities. Different speeds cannot be mixed on the same bridge. This function is provided on a per port basis.

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**5. SPECIAL ACCESS (Cont'd)**

**5.4 Description of Supplemental Features (Cont'd)**

**5.4.2 Conditioning Arrangements - Data**

Data conditioning, when utilized in conjunction with effective four-wire Voiceband transmission facilities, improves the characteristics of these facilities. These improved characteristics are not represented to apply to the entire end to end facility of the customer, but only to that portion of the facility provided by the Telephone Company.

There are three types of data conditioning: Type C, Type C-Improved and Type DA. Type C and Type C-Improved conditioning control attenuation distortion and envelope delay distortion. Type DA controls the signal to C-notched noise ratio and intermodulation distortion. Type C and Type DA conditioning may be combined on the same circuit. Type C-Improved and Type DA conditioning may be combined on the same circuit.

Data conditioning is charged for on a per Special Access line basis. The parameters listed for each type of data conditioning apply from two or more CDLs located within the Telephone Company serving area. Conditioning parameters apply to each end of a two-point circuit. For multipoint circuits, the conditioning parameters apply from any CDL to either the point of interface at another CDL or the first Telephone Company bridging point depending on the circuit configuration. These parameters are not applicable to High Capacity or Wideband Analog points of interface, because there is no voice frequency test access point. In these instances the data conditioning parameters apply to the last telephone company voice frequency test access point before the High Capacity or Wideband Analog point of interface.

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5. **SPECIAL ACCESS** (Cont'd)

5.4 **Description of Supplemental Features** (Cont'd)

5.4.2 **Conditioning Arrangements - Data**

(A) Type C

Type C conditioning of Voiceband facilities provides a facility with the following transmission parameters enhanced to meet the values specified for Type C conditioning in Section 7000 of the GTE Technical Interface Reference Manual in addition to the standard parameters for Voiceband circuits.

(1) Attenuation distortion with reference to 1004 Hz.

(2) Envelope delay distortion.

(B) Type C-Improved

Type C-Improved conditioning of Voiceband facilities provides a facility with the following transmission parameters enhanced to meet the values specified for Type C conditioning in Section 7000 of the GTE Technical Interface Reference Manual in addition to the standard parameters for Voiceband circuits.

(1) Improved attenuation distortion with reference to 1004 Hz.

(2) Improved envelope delay distortion.

The customer may choose to order Improved Attenuation Distortion or Improved Envelope Delay Distortion or both configurations. The rates specified for Type C-Improved conditioning, Section 5.7.2(B), will apply regardless of the configuration specified.

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5. **SPECIAL ACCESS** (Cont'd)

5.4 **Description of Supplemental Features** (Cont'd)

5.4.2 **Conditioning Arrangements - Data** (Cont'd)

(C) Type DA

Type DA conditioning of Voiceband facilities provides a facility with the following transmission parameter enhanced to meet the values specified for Type DA conditioning in Section 7000 of the GTE Technical Interface Reference Manual in addition to the standard parameters for voiceband circuits.

- (1) Signal to C-notched noise ratio.
- (2) Nonlinear signal to second order distortion.
- (3) Nonlinear signal to third order distortion.

5.4.3 **Conditioning - Program Audio**

(A) Stereo Conditioning

Provides the option of two radio program facilities which are identical in all transmission characteristics. Two Program Audio facilities are required to provide this Supplemental Feature. This feature is normally used only with Program Audio 50 to 15000 Hz facilities. Stereo Conditioning is charged on a per occurrence basis.

(B) Zero Loss

Conditioning of Program Audio facilities to provide zero loss at 1000 Hz test frequency. Zero loss is charged on a per Special Access Line basis.

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**5. SPECIAL ACCESS (Cont'd)****5.4 Description of Supplemental Features (Cont'd)****5.4.4 Signaling Arrangements**

Signaling arrangements, when furnished with Voiceband transmission facilities, enable the facilities to accommodate standard telecommunications signaling protocols. Signaling arrangements provide for the conversion of one signaling method to another signaling method and/or extension of a signaling method at customer and Telephone Company interfaces and enables the transmission facilities to accommodate signaling transmission. Signaling arrangements are available with Voiceband transmission facilities to enable transmission of requested signaling formats. The third and fourth protocol characters of the Network Channel Interface (NCI) and Secondary Network Channel Interface (SEC NCI) codes as indicated on the customer's order, reflect signaling activity. Typical protocol characters contained in the NCI or SEC NCI codes that designate signaling arrangements are: AB, AC, DS, DX, DY, EA, EB, EC, EX, GO, GS, LA, LB, LC, LO, LR, LS, NO, RV and SF.

The customer identified NCI and SEC NCI codes will be considered the customer's request for signaling. The Telephone Company will endeavor to provide the specific signaling protocols requested by the customer. In those cases where facilities and equipment are not available to meet the customer's specific requests, the Telephone Company will provide the customer acceptable alternate protocols. Sections 3300, 6000 and 7000 of the GTE Technical Interface Reference Manual provide detailed technical descriptions of the signaling protocols normally available with each service offering. To properly provision SF signaling, when associated signaling code, is DS (PCM), additional information of SF requirements (loop signaling type DX/E&M or ringdown) must accompany the customer's order.

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**5. SPECIAL ACCESS (Cont'd)**

**5.4 Description of Supplemental Features (Cont'd)**

**5.4.4 Signaling Arrangements (Cont'd)**

Signaling arrangement charges apply whenever interfaces at the customer premises or at the customer's Telephone Company serving wire center require a signaling arrangement other than those provided with the Terminating Options in 5.3.2 preceding. Signaling Arrangements will be charged on a per SAL basis. Specifically, a signaling charge applies if the signaling protocol characters in the NCI and the SEC NCI fields are different and include one of the following codes: RV, EX, SF, DX, DY, DS, AB.

For the above conditions, one additional signaling charge applies for each additional leg of multipoint circuit. When a Multiplexing Arrangement is ordered that converts a single higher capacity or bandwidth circuit into several lower Voiceband circuits, the Voiceband Signaling Arrangements are provided as part of the Multiplexing Arrangement, and no additional Signaling Arrangement charges will apply.

A signaling charge applies in addition to any other applicable signaling charge when loop range extension equipment is required. The Telephone Company will obtain customer approval for signaling range extension equipment.

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**5. SPECIAL ACCESS (Cont'd)**

**5.4 Description of Supplemental Features (Cont'd)**

**5.4.4 Signaling Arrangements (Cont'd)**

Listed below are the Signaling Arrangements offered under this tariff:

- (A) Loop Signaling Range Extension - An arrangement to extend the metallic resistance limitations of loop type signaling.
- (B) Conversion of Loop or E&M Signaling to SF - An arrangement to convert loop or E&M signaling to the single frequency signaling format.
- (C) E&M to DX Signaling Conversion - Conversion of E&M signaling to the DX signaling format.
- (D) E&M to Loop Signaling Conversion - Conversion of E&M signaling format to the loop type signaling.
- (E) Loop or E&M to PCM Signaling - Conversion of loop or E&M signaling to the digital (PCM) signaling format.
- (F) Automatic Ringdown Signaling (ARD) - A signaling arrangement on a two-point Special Access which converts loop seizure at one end of the facility into ringing signal at the opposite end.

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**5. SPECIAL ACCESS (Cont'd)****5.4 Description of Supplemental Features (Cont'd)****5.4.5 Echo Control****(A) Echo Suppression**

An arrangement provided at the customer's request to attenuate reflected speech energy on a four-wire facility. This conditioning is generally required on circuits with long propagation delay. Echo suppression is charged on a per Special Access circuit basis. Echo suppression is an obsolete service offering and is applicable only to those circuits equipped with echo suppression prior to January 1, 1987. Any service rearrangements or order activity on the circuits equipped with echo suppression may require a change to echo canceller as described in 5.4.5(B) following.

**(B) Echo Canceller**

An arrangement provided at the customer's request to cancel reflected speech energy on a four-wire facility. This conditioning is generally required on circuits with long propagation delay. Echo canceller is charged on a per Special Access circuit basis.

**5.4.6 Improved Return Loss**

Improved Return Loss provides for increased echo return and singing return parameters of an effective two-wire channel. This optional feature is available with certain Voiceband services at a two-wire point of termination when the transmission interface is four-wire at one CDL and two-wire at the other CDL. Placement of Telephone Company equipment may be required at the customer's premises with the two-wire point of termination.

Improved Return Loss rates and charges will apply on a per Special Access Line basis at the rates specified in 5.7.2(B) following. Technical parameters and the applicable Voiceband services are specified in Section 7000 of the GTE Technical Interface Reference Manual.

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**5. SPECIAL ACCESS (Cont'd)**

**5.4 Description of Supplemental Features (Cont'd)**

**5.4.7 Voiceband Facility Switching Arrangement**

An arrangement to provide switching between two Voiceband Special Access Services. This arrangement may require a Voiceband control circuit to control the switching arrangement at an additional charge.

**5.4.8 Automatic Protection Switch**

Consists of the special switching equipment placed at both ends of a duplicate DS1 facility (i.e., DS1, High Capacity Circuit) for automatic switching to the duplicate (standby) facility in the event the active facility is inoperative.

Duplicate facilities may terminate at a serving wire center, a CDL or both. The option provided under this tariff only includes the APS(s) located at a serving wire center(s). When the duplicate facility terminates at a CDL, the customer will be responsible for providing the associated APS and ensuring it is compatible with the Telephone Company provided switch if appropriate.

The duplicate facilities are not a part of this supplemental feature.

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**5. SPECIAL ACCESS (Cont'd)****5.4 Description of Supplemental Features (Cont'd)****5.4.9 Improved Termination Option**

Improved Termination provides for a fixed 600 ohm impedance, an increased range of transmission levels, and simplex reversal (when applicable) on an effective four-wire channel. This optional feature is available with most Voiceband services with a four-wire point of termination. Telephone Company equipment is required at the customer's premises where this option is ordered.

The Improved Termination option will be ordered and rates and charges, as set forth in 5.7.2(B) following, will apply on a per SAL basis. Technical parameters and the applicable Voiceband services are specified in Section 7000 of the GTE Technical Interface Reference Manual.

**5.4.10 Improved Equal Level Echo Path Loss Option - ELEPL-2**

This option provides improved echo control parameters for an effective two-wire channel at a four-wire point of termination. Placement of Telephone Company equipment may be required at the customer's premises with the two-wire point of termination.

The term "Equal Level Echo Path Loss" (ELEPL) represents the measure of Echo Path Loss (EPL) at a four-wire interface which is corrected by the difference between the send and receive Transmission Level Point (TLP), i.e.,  $ELEPL = EPL - TLP(\text{send}) + TLP(\text{receive})$ .

Improved ELEPL rates and charges will apply on a per SAL basis at the rates set forth in 5.7.2(B) following. Technical parameters are specified in Section 7000 of the GTE Technical Interface Reference Manual.

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**5. SPECIAL ACCESS (Cont'd)**

**5.5 Description of Multiplexing Arrangements**

Multiplexing Arrangements provide the function to convert a single higher capacity or bandwidth circuit for bulk transport to several lower capacity or bandwidth circuits. Cascading multiplexing occurs when a high capacity analog or digital channel is de-multiplexed to provide channels with a lesser capacity and one of the lesser capacity channels is further de-multiplexed. For example, a DS1C may be de-multiplexed to two DS1 facilities and then the DS1 facilities may be further de-multiplexed to 24 Voiceband channels.

When cascading multiplexing is performed in the same or different Hub Wire Center, a charge for the additional multiplexing unit will also apply. When cascading multiplexing is performed at a different Hub Wire Center, Special Transport will also apply between the involved Hub Wire Centers.

Listed below are the multiplexing arrangements offered under this tariff.

(A) Group to Voice

An arrangement that multiplexes twelve voice grade circuits to a single wideband analog group band circuit, or multiplexes a single wideband analog group band circuit to twelve voice grade circuits.

(B) Supergroup to Group

An arrangement that multiplexes five wideband analog group band circuits to a single wideband analog supergroup band circuit, or multiplexes a single wideband analog supergroup band circuit to five wideband analog group band circuits.

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5. **SPECIAL ACCESS** (Cont'd)

5.5 **Description of Multiplexing Arrangements** (Cont'd)

(C) Mastergroup to Supergroup

An arrangement that multiplexes ten wideband analog supergroup band circuits to a single wideband analog mastergroup band circuit, or multiplexes a single wideband analog mastergroup band circuit to ten wideband analog supergroup band circuits.

(D) DS1 to Voice

An arrangement that multiplexes twenty-four voice grade circuits to a single DS1 digital circuit at a rate of 1.544 Mbps, or multiplexes a single DS1 digital circuit at a rate of 1.544 Mbps to twenty-four voice grade circuits. If this DS1 terminates in a DDS hub, a channel(s) of the DS1 can be used to provide DDS; however, DDS service stops at the DS1 interface. Multiple channels may be required to provide individual Program Audio Channels.

Up to 16 channels of this DS1 can be used for Direct Digital Service (DDS-like service) with the assurance that circuit performance parameters will be met. If more than 16 channels are used for DDS-like service, the performance parameters for the DS1 and all circuits riding the DS1 will not be guaranteed.

FT1 can be used in conjunction with DS1 to Voice Multiplexing in groupings of  $N \times 56$  Kbps or  $N \times 64$  Kbps where  $N = 2, 4$  or  $6$ , to a single DS1 digital circuit at a rate of 1.544 Mbps.

(E) DS1C to Voice

An arrangement that multiplexes forty-eight voice grade circuits to a single DS1C digital circuit at a rate of 3.152 Mbps, or multiplexes a single DS1C digital circuit at a rate of 3.152 Mbps to forty-eight voice grade circuits.

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5. **SPECIAL ACCESS** (Cont'd)

5.5 **Description of Multiplexing Arrangements** (Cont'd)

(F) DS1C to DS1

An arrangement that multiplexes two DS1 digital circuits to a single DS1C digital circuit at a rate of 3.152 Mbps, or multiplexes a single DS1C digital circuit at a rate of 3.152 Mbps to two DS1 digital circuits.

(G) DS3 to DS1

An arrangement that multiplexes twenty-eight DS1 digital circuits to a single DS3 digital circuit at a rate of 44.736 Mbps, or multiplexes a single DS3 digital circuit at a rate of 44.736 Mbps to twenty-eight DS1 digital circuits.

(H) DS3C to DS1

An arrangement that multiplexes fifty-six DS1 digital circuits to a single DS3C digital circuit at a rate of 89.472 Mbps, or multiplexes a single DS3C digital circuit at a rate of 89.472 Mbps to fifty-six DS1 digital circuits.

(I) Group to DS1

An arrangement that multiplexes two wideband analog groupband circuits to a single DS1 digital circuit at a rate of 1.544 Mbps, or multiplexes a single DS1 digital circuit at a rate of 1.544 Mbps to two wideband analog groupband circuits.

(J) Digital Data Carrier Multiplexer

An arrangement that multiplexes a single DS1 1.544 Mbps digital circuit to twenty-three DSO digital ports for connection to either subrate data multiplexer as described in 5.5(M) following or 56 kbps digital circuits.

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5. **SPECIAL ACCESS** (Cont'd)

5.5 **Description of Multiplexing Arrangements** (Cont'd)

(K) Digital Data Subrate Multiplexer

Used with cascading multiplexing, the Digital Data Subrate Multiplexer is an arrangement that multiplexes the following quantities of subrate digital data circuits into a single DSO digital port: 1) twenty 2.4 Kbps, 2) ten 4.8 Kbps or 3) five 9.6 Kbps. In turn, the DSO digital port is then multiplexed to a single DS1 digital circuit using the Digital Data Carrier Multiplexer described in 5.5(L) preceding.

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5. **SPECIAL ACCESS** (Cont'd)

5.6 **Rate Regulations**

This section contains specific regulations governing the rates and charges that apply for Special Access Service.

5.6.1 **Types of Rates and Charges**

There are four types of rates and charges. These are monthly rates, daily rates, hourly rates and nonrecurring charges. The rates and charges are described as follows:

(A) **Monthly Rates**

Monthly rates are recurring charges that apply each month or fraction thereof that a Special Access service is provided. For billing purposes, each month is considered to have 30 days.

(B) **Daily Rates**

Daily rates are recurring charges that apply to each 24 hour period or fraction thereof that a part-time Program Audio Special Access Service is provided. This 24 hour period is not limited to a calendar day. When part-time Program Audio service is provided for ten or more consecutive days it will be treated as a full-time service and monthly rates will apply. In no event will the charges for continuous part-time Program Audio service exceed the amount that would be charged in the same time period for full-time service.

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5. **SPECIAL ACCESS** (Cont'd)

5.6 **Rate Regulations** (Cont'd)

5.6.1 **Types of Rates and Charges**

(C) **Time Sensitive Rates**

Time sensitive rates are charges that are applied either on an hourly basis or on a fraction of an hour basis.

(1) **Hourly Rates**

Hourly rates are recurring charges that apply to each 60 minute period, or fraction thereof, that a part-time Videoband – Type I Special Access Service is provided. The billing period commences when the video circuit is available for the customer's use and ceases when the customer's use is discontinued. There is a maximum monthly charge that may be assessed to any Temporary Videoband – Type I Special Access Service. The maximum charge during any 30 day period will be that amount equal to 100 hours of use.

(2) (Reserved for Future Use)

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**ACCESS SERVICE****5. SPECIAL ACCESS (Cont'd)****5.6 Rate Regulations (Cont'd)****5.6.1 Types of Rates and Charges (Cont'd)****(D) Zone Density Plan - Special Access**

The Zone Density Rate Plan is a pricing unit for rating High Capacity Special Access DS1 and DS3 Services. The Zone Density Plan assigns every Serving Wire Center (SWC) to one of three zones. The Serving Wire Center, CLLI Codes and zones are listed in Section 19. Zone 1 SWCs have the highest density of services, Zone 2 SWCs have intermediate density of services and Zone 3 SWCs have the lowest density of services. Zone Density Plan rates become effective in a study area concurrent with the first operational Expanded Interconnection Service (EIS), as described in Section 17, in that study area.

The Zone Density Plan for Special Access is applicable only to DS1 (1.544 Mbps) and DS3 (44.736 Mbps) services.

(1) Zone Density rates are set for in Sections:

- 5.7.6 - Multiplexing Arrangements
- 5.7.7 - High Capacity Digital DS1
- 5.7.9 - High Capacity Digital DS3 Three System
- 5.7.10 - High Capacity Digital DS3 Unlimited System
- 5.7.11 - High Capacity Digital DS3 Individual System
- 5.7.12 - High Capacity Digital DS3 Group System\*
- 5.7.13 - High Capacity Digital DS3 Transport
- 5.7.14 - DS3 Multiplexer Cross Connect Arrangement
- 5.7.16 - DS1 Term Volume Plan
- 5.8.5 - Clear Channel Capability

\* Limited to those services so equipped and in service as of March 25, 1999.

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5. **SPECIAL ACCESS** (Cont'd)

5.6 **Rate Regulations** (Cont'd)

5.6.1 **Types of Rates and Charges** (Cont'd)

(D) **Zone Density Plan - Special Access** (Cont'd)

- (2) Special Access Lines and Transport Terminations are rated according to the Zone of the SWC where they are located.
- (3) Special Transport provisioned between SWCs in two different zones will be rated at the higher zone rate.
- (4) Zone Density Plan for special access provided by more than one telephone company will be provided as set forth in Section 2.7.4(B).

(E) **Nonrecurring Charges**

Nonrecurring charges are one-time charges that apply for specific work activity, (i.e., installation of service or change to an existing service). The types of nonrecurring charges that apply for Special Access Service are those listed below.

(1) **Design Change Charge** (USOC - H28)

The customer may request a design change to the service ordered. A design change is any change to a pending ASR for Special Access Service which requires engineering review. Design changes include such things as the addition or deletion of supplemental features or changes in the terminating options. Design changes do not include a change of IC CDL or end user premises when its serving wire center changes or Special Access service type (e.g., 2-wire to 4-wire Voiceband or Voiceband to Program Audio, etc.). Changes of this nature will require the issuance of a new ASR and the cancellation of the original ASR. The cancellation charges apply as set forth in 3.2.6 preceding.

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5. **SPECIAL ACCESS** (Cont'd)

5.6 **Rate Regulations** (Cont'd)

5.6.1 **Types of Rates and Charges** (Cont'd)

(E) **Nonrecurring Charges** (Cont'd)

(1) **Design Change Charge** (Cont'd)

The Telephone Company will review the requested change, notify the customer whether the change can be accommodated and specify if a new service date is required. If the customer authorizes the Telephone Company to proceed with the design change, a Design Change Charge will apply.

The Design Change Charge, as set forth in 5.7.1 following, will apply on a per ASR per occurrence basis, for each ASR requiring a design change.

If a change of service date is required, the Service Date Change Charge as set forth in Section 3 preceding will also apply.

(2) **Installation of Supplemental Features and Multiplexing Arrangements**

Nonrecurring charges apply for the installation of supplemental features and multiplexing arrangements available with Special Access service. The charge applies whether the feature or multiplexing arrangement is installed coincident with the initial installation of service or at any time subsequent to the installation of service.

For additions of supplemental features without an NRC, a charge equal to a SAL NRC will apply. Only one such charge per service, per order will apply.

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5. **SPECIAL ACCESS** (Cont'd)

5.6 **Rate Regulations** (Cont'd)

5.6.1 **Types of Rates and Charges** (Cont'd)

(E) **Nonrecurring Charges** (Cont'd)

(3) **Installation of FT1, DS3 and DS1 Special Access Lines**

(a) **Fractional T1 Standard Arrangements**

Customers subscribing to the Fractional T1 service, at rates set forth in 5.7.8(A), will be assessed a nonrecurring charge. The NRC for Fractional T1 service will be assessed per SAL.

(b) **Fractional T1 Optional Payment Plan (OPP) Arrangements**

Customers subscribing to the Fractional T1 OPP arrangements, at rates set forth in 5.7.8(B), will not be assessed a nonrecurring charge.

The regulations in Section 5.6.1(E) will apply to existing FT1 OPP customers when required for changes and other service rearrangements.

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5. **SPECIAL ACCESS** (Cont'd)

5.6 **Rate Regulations** (Cont'd)

5.6.1 **Types of Rates and Charges** (Cont'd)

(E) **Nonrecurring Charges** (Cont'd)

(3) **Installation of FT1, DS3 and DS1 Special Access Lines** (Cont'd)

(c) **DS3 Arrangements**

There are two levels of charges for the installation of 3 System DS3 and Unlimited System DS3 SALs as set forth in 5.7.9 and 5.7.10. The "First System" charge is assessed for the first DS3 SAL ordered by a customer. When the same customer requests additional DS3 SALs, to be installed between the same locations, the "Additional System" charge will apply for each SAL ordered (maximum of two Additional System SALs in a 3 System DS3 and no maximum in an Unlimited System DS3).

For Individual DS3s, the charge for installation will apply at the same rate per DS3 SAL, and for Group System DS3s\*, the charge applies per Group System\* SAL.

\*Limited to those services so equipped and in service as of March 25, 1999.

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5. **SPECIAL ACCESS** (Cont'd)

5.6 **Rate Regulations** (Cont'd)

5.6.1 **Types of Rates and Charges** (Cont'd)

(E) **Nonrecurring Charges** (Cont'd)

(3) **Installation of FT1, DS3 and DS1 Special Access Lines** (Cont'd)

(d) (Reserved for Future Use)

(e) **DS1 Standard Arrangements**

Customers subscribing to DS1 Standard Arrangements, at rates set forth in 5.7.7(A), will be assessed a nonrecurring charge. The NRC for DS1 Standard Arrangements will be assessed per SAL.

The regulations in Section 5.6.1(E)(6) will apply to existing DS1 Standard Arrangements customers when required for changes and other service rearrangements.

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5. **SPECIAL ACCESS** (Cont'd)

5.6 **Rate Regulations** (Cont'd)

5.6.1 **Types of Rates and Charges** (Cont'd)

(E) **Nonrecurring Charges** (Cont'd)

(4) **Installation of Temporary Videoband Service**

(a) **Temporary Videoband Service - Type I**

There are two nonrecurring charges set forth in Section 5.7.4(A) for the installation of Temporary Videoband Service - Type I. One nonrecurring charge will be assessed when permanent in place facilities are used to provide the service, and a different nonrecurring charge will be assessed when nonpermanent portable facilities are used to provide the service. A list of permanent facilities by location is provided in 5.6.8 following.

If the customer orders Temporary Videoband Service - Type I with broadcast intervals of 5 nonconsecutive days or less within a 7-day period, the Telephone Company may, if facilities are available, leave the facilities in place, in which case the associated installation nonrecurring charges would not apply.

(b) (Reserved for Future Use)

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5. **SPECIAL ACCESS** (Cont'd)

5.6 **Rate Regulations** (Cont'd)

5.6.1 **Types of Rates and Charges** (Cont'd)

(E) **Nonrecurring Charges** (Cont'd)

(5) **Installation of Voicegrade, Program Audio and Digital Data Service Special Access Line**

The nonrecurring charge associated with the installation of voicegrade SALs is specified in 5.7.2(A). The nonrecurring charge associated with the installation of program audio SALs is specified in 5.7.3(A) through (D). This charge will not apply to part-time Program Audio SALs which are left in place and reused.

The nonrecurring charge associated with the installation of DDS SAL facilities and the provisioning of the Customer specified transmission speed of 2.4, 4.8, 9.6, 19.2, 56 or 64 Kbps is specified in Section 5.7.5(A).

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5. **SPECIAL ACCESS** (Cont'd)

5.6 **Rate Regulations** (Cont'd)

5.6.1 **Types of Rates and Charges** (Cont'd)

(E) **Nonrecurring Charges** (Cont'd)

(6) **Service Rearrangements**

Service rearrangements are changes to existing (installed) services which may be administrative only in nature or involve an actual physical change to the service. Changes to pending orders are in 3.2.2.

Changes in the type of service will be treated as a discontinuance of the service and an installation of a new service.

Changes in the physical location of the point of termination are treated as moves which are described and charged for as in 5.6.4.

Administrative changes will be made without charge(s) to the customer.

Administrative changes are as follows:

- Change in name or ownership or transfer of responsibility from one customer to another, provided there is not interruption of use or relocation of Special Access service.
- Change of customer or customer's end user premises address when the change of address is not a result of a physical relocation of equipment,
- Change in billing data (name, address, or contact name or telephone number),

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5. **SPECIAL ACCESS** (Cont'd)

5.6 **Rate Regulations** (Cont'd)

5.6.1 **Types of Rates and Charges** (Cont'd)

(E) **Nonrecurring Charges** (Cont'd)

(6) **Service Rearrangements** (Cont'd)

- Change of customer circuit identification,
- Change of billing account number,
- Change of customer test line number,
- Change of customer or customer's end user contact name or telephone number,
- Change of agency authorization, and
- Change in jurisdiction involving no physical changes to the service.

All other service rearrangements will be charged for as follows:

- If the change involves the addition of another termination to an existing two-point or multipoint service, installation charges for each location added will apply.
- If the change involves the addition of supplemental feature or multiplexing arrangement, the installation charge associated with the supplemental feature or multiplexing arrangement will apply. When the supplemental feature or arrangement has no associated nonrecurring charge (or rated at \$.00), one SAL nonrecurring charge for the type of service involved (i.e., voice grade SAL, DDA SAL, etc.) will be applied to the order.

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5. **SPECIAL ACCESS** (Cont'd)

5.6 **Rate Regulations** (Cont'd)

5.6.1 **Types of Rates and Charges** (Cont'd)

(E) **Nonrecurring Charges** (Cont'd)

(6) **Service Rearrangements** (Cont'd)

- If the change involves only changing the type of network interface, with no change in facility, the installation charge associated with each service receiving a network interface change will apply.
- If the change involves changing a two-wire service to a four-wire service or vice versa, the installation charge for each location changed will apply.
- If the change involves only rollovers or grooming, then no charges will apply. A rollover is the retermination of a segment of a lower capacity special access service onto a higher capacity special access service. The rollover must occur in the wire center where the higher capacity service is multiplexed with no other changes to the lower capacity service being reterminated (i.e., the segment must not require rerouting to connect to the multiplexer of the higher capacity service).
- Grooming is the retermination of a lower capacity special access service from one channel in a higher capacity special access service to another channel in the same higher capacity service or to another channel in another higher capacity special access service (i.e., change in connecting facility assignment) in the same wire center, with no other changes to the lower capacity service.

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5. **SPECIAL ACCESS** (Cont'd)

5.6 **Rate Regulations** (Cont'd)

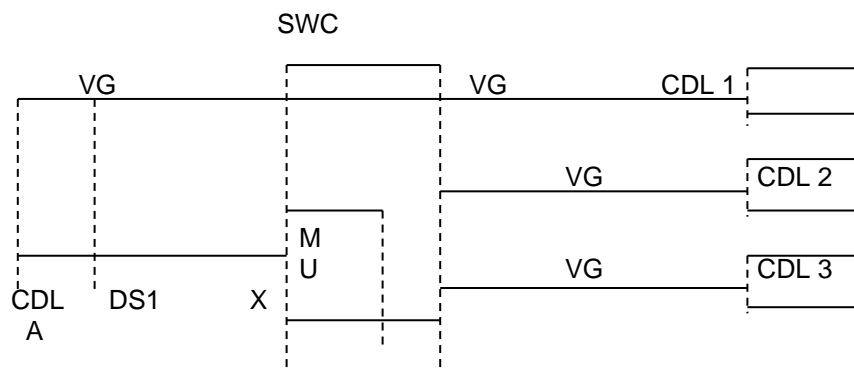
5.6.1 **Types of Rates and Charges** (Cont'd)

(E) **Nonrecurring Charges** (Cont'd)

(6) **Service Rearrangements** (Cont'd)

Rollover - Example 1

Current Configuration



The customer requests that the voiceband circuit (VG) between CDL A and CDL 1 be "rolled over" to the DS1 Serving CDL A. No NRCs apply for this request.

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5. **SPECIAL ACCESS** (Cont'd)

5.6 **Rate Regulations** (Cont'd)

5.6.1 **Types of Rates and Charges** (Cont'd)

(E) **Nonrecurring Charges** (Cont'd)

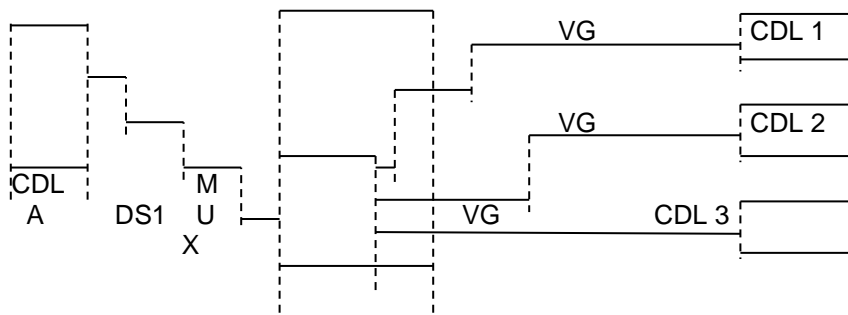
(6) **Service Rearrangements** (Cont'd)

The customer requests that the voiceband circuit (VG) between CDL A and CDL 1 be "rolled over" to the DS1 Serving CDL A. No NRCs apply for this request.

Rollover - Example 1

New Configuration

SWC



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5. **SPECIAL ACCESS** (Cont'd)

5.6 **Rate Regulations** (Cont'd)

5.6.1 **Types of Rates and Charges** (Cont'd)

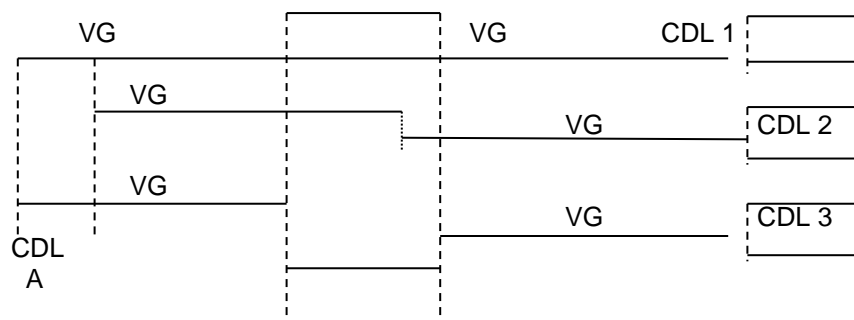
(E) **Nonrecurring Charges** (Cont'd)

(6) **Service Rearrangements** (Cont'd)

Rollover - Example 2

Current Configuration

SWC



The customer requests that the installation of a DS1 between the serving wire center (SWC) and CDL A and a DS1/voice multiplexer in the SWC. The customer also requests that the voiceband circuits serving CDLs 1, 2, and 3 be "rolled over" to the new DS1. All NRCs apply for the installation of the DS1 and multiplexer. No NRCs apply for the voiceband rollovers to the new high capacity circuit.

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5. **SPECIAL ACCESS** (Cont'd)

5.6 **Rate Regulations** (Cont'd)

5.6.1 **Types of Rates and Charges** (Cont'd)

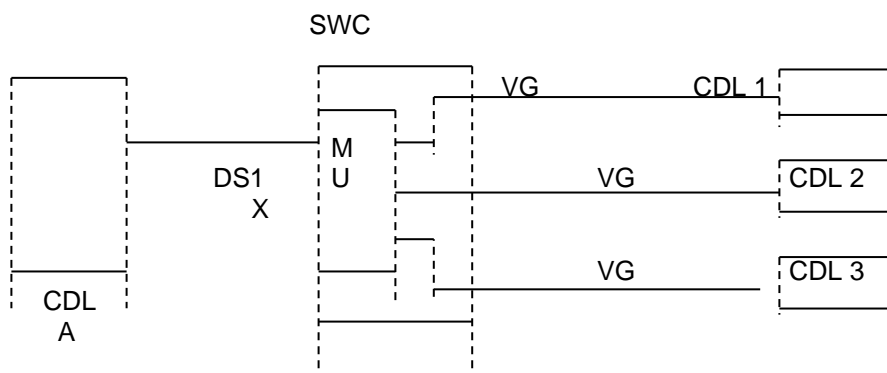
(E) **Nonrecurring Charges** (Cont'd)

(6) **Service Rearrangements** (Cont'd)

The customer requests the installation of a DS1 between the serving wire center (SWC) and CDL A and a DS1/voice multiplexer in the SWC. The customer also requests that the voiceband circuits serving CDLs 1, 2, and 3 be "rolled over" to the new DS1. All NRCs apply for the installation of the DS1 and multiplexer. No NRCs apply for the voiceband roll overs to the new high capacity circuit.

Rollover - Example 2

New Configuration



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5. **SPECIAL ACCESS** (Cont'd)

5.6 **Rate Regulations** (Cont'd)

5.6.1 **Types of Rates and Charges** (Cont'd)

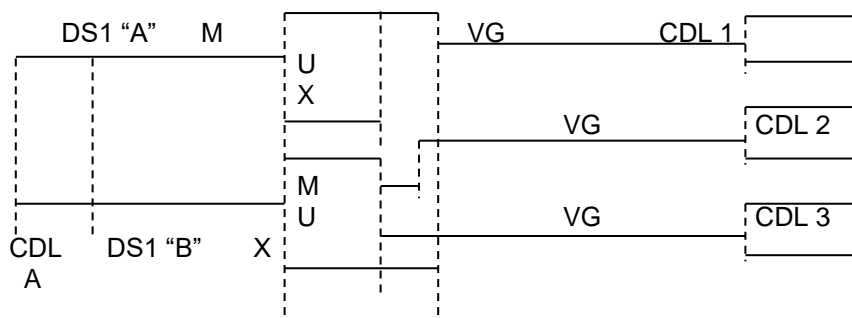
(E) **Nonrecurring Charges** (Cont'd)

(6) **Service Rearrangements** (Cont'd)

GROOMING - Example 1

Current Configuration

SWC



The customer requests that the voiceband (VG) circuit CDL 1 be moved from the DS1 "A" circuit to the DS1 "B" circuit. No NRCs apply for this request.

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5. **SPECIAL ACCESS** (Cont'd)

5.6 **Rate Regulations** (Cont'd)

5.6.1 **Types of Rates and Charges** (Cont'd)

(E) **Nonrecurring Charges** (Cont'd)

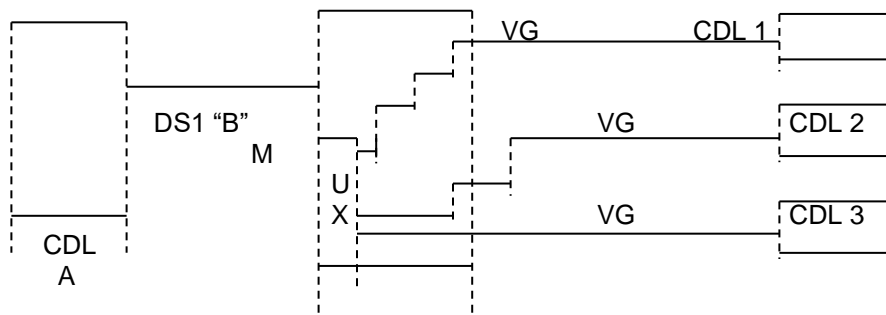
(6) **Service Rearrangements** (Cont'd)

The customer requests that the voiceband (VG) circuit serving CDL 1 be moved from the DS1 "A" circuit to the DS1 "B" circuit. No NRCs apply for this request.

GROOMING - Example 1

New Configuration

SWC



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5. **SPECIAL ACCESS** (Cont'd)

5.6 **Rate Regulations** (Cont'd)

5.6.1 **Types of Rates and Charges** (Cont'd)

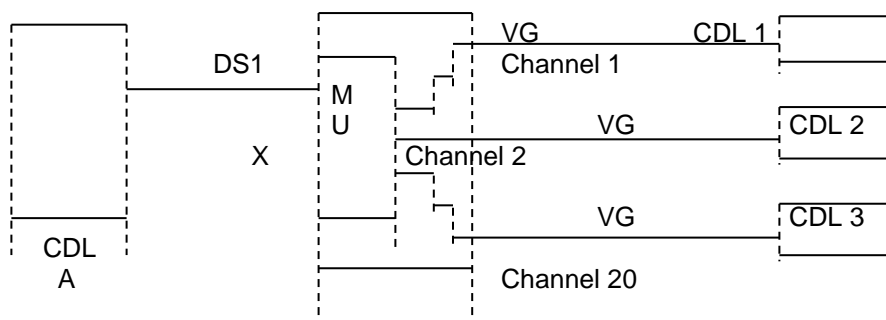
(E) **Nonrecurring Charges** (Cont'd)

(6) **Service Rearrangements** (Cont'd)

GROOMING - Example 2

Current Configuration

SWC



The customer requests that the voiceband circuit serving CDL3 be moved from Channel 20 in the DS1 serving CDL A to Channel 3 in the same DS1. No NRCs apply for this request.

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5. **SPECIAL ACCESS** (Cont'd)

5.6 **Rate Regulations** (Cont'd)

5.6.1 **Types of Rates and Charges** (Cont'd)

(E) **Nonrecurring Charges** (Cont'd)

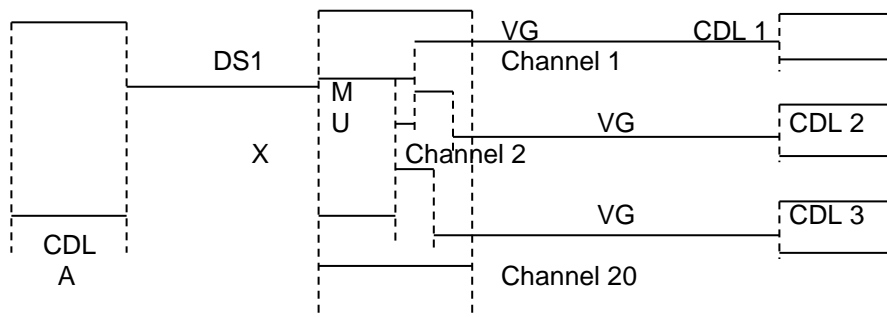
(6) **Service Rearrangements** (Cont'd)

The customer requests that the voiceband circuit serving CDL 3 be moved from Channel 20 in the DS1 serving CDL A to Channel 3 in the same DS1. No NRCs apply for this request.

GROOMING - Example 2

New Configuration

SWC



- If the change involves reterminations other than Rollovers and/or Grooming, all NRCs associated with the installation of the lower capacity service.
- In cases where multiple service rearrangements or an additional termination or a move and a service rearrangement are requested on a single ASR, the total charge will never exceed the full nonrecurring charge for the basic service.

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5. **SPECIAL ACCESS** (Cont'd)

5.6 **Rate Regulations** (Cont'd)

5.6.2 **Minimum Periods**

Special Access is provided for a specified minimum period. Minimum periods and minimum period charges are described in Section 3 preceding.

5.6.3 **Mileage Measurement**

The mileage to be used to determine the monthly rate for the Special Transport is calculated on the airline distance between the serving wire centers involved (i.e., CDL serving wire center or Hub Wire Center or WATS Serving Office). Where the calculated miles include a fraction, the value is always rounded up to the next full mile. Where the calculated value is zero, no Special Transport mileage is charged.

When there is a Hub Wire Center involved, the Special Transport mileage will be measured from the Hub Wire Center to the serving wire centers of each of the CDLs connected to the hubbed facilities. Mileage is computed for each section and rates are applied accordingly. However, when a Special Access facility is routed through a Hub Wire Center for purposes other than customer specified such as bridging or multiplexing (e.g., the Telephone Company chooses to so route for test access purposes), rates will be applied only to the distance calculated between the wire centers serving the CDLs.

The rates for the mileage are applied per airline mile. The serving wire center V&H coordinates and the method of calculation are specified in the ECA Tariff FCC No. 4.

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**5. SPECIAL ACCESS (Cont'd)**

**5.6 Rate Regulations (Cont'd)**

**5.6.4 Moves**

A move involves a change in the physical location of the point of termination of Special Access. A move normally involves an interruption of Special Access for the period required to complete the move. No credit allowance will be granted for that period. Special Construction as set forth in Section 10 may also be applicable at the different CDL.

A customer may request that Special Access not be interrupted during a move. To comply with that request, it may be necessary to install a duplicate Special Access, and subsequently discontinue the existing Special Access. Charges, monthly and nonrecurring, will apply for the duplicate Special Access. A new minimum period will be established for the duplicate portion of the Special Access, depending on which end of the Special Access is moved. The customer will remain responsible for all minimum period charges associated with the corresponding portion of the disconnected Special Access.

The charge for the move depends on whether the move is within the same CDL or to a different CDL.

**(A) Same CDL**

When the move of a termination of FIA, as defined in Section 2.1.5, for special access is to a new point within the same CDL (same address and/or same building), the charge for the move will be the installation charge for the portion of the service being reterminated. There will be no change in the minimum period requirements. For services subject to payment plan regulations, the same payment period will remain in force.

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5. **SPECIAL ACCESS** (Cont'd)

5.6 **Rate Regulations** (Cont'd)

5.6.4 **Moves** (Cont'd)

(B) **Different CDL**

- (1) When the move is to a different CDL (different address and different building), except as specified below, it will be treated as a disconnect and an installation of service. The appropriate service installation charge for the service termination(s) affected will apply. A new minimum period will be established for the installed Special Access Service. The customer will remain responsible for all minimum period charges associated with the disconnected Special Access Service. For services subject to payment plan regulations, a new payment plan will be established and full assessment of the remaining liabilities will be applicable.
- (2) When the move is to a different CDL but served by the same serving wire center, the following conditions apply:
  - A change ASR will be required.
  - The appropriate service installation charge for the service termination(s) affected will apply.
  - For Special Access services subject to payment plan regulations, if the customer of record remains the same with no lapse in service, the appropriate NRCs for changes will apply. Otherwise, the move will be treated as a disconnect and an installation of service and all appropriate NRCs and full assessment of the remaining liabilities will be applicable.

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5. **SPECIAL ACCESS** (Cont'd)

5.6 **Rate Regulations** (Cont'd)

5.6.5 **Rates and Charges on an Individual Case Basis**

(A) The monthly rates and nonrecurring charges for the following service offerings will be developed on an Individual Case Basis:

- Full-time Videoband - Type I Facilities
- Wideband Analog - Group Band Facilities
- Wideband Analog - Supergroup Band Facilities
- Wideband Analog - Mastergroup Band Facilities
- High Capacity Digital DS1C (3.152 Mbps) Special Access Lines
- High Capacity Digital DS1C (3.152 Mbps) Special Transport
- High Capacity Digital DS3C (89.472 Mbps) Facilities

(B) The monthly rates and nonrecurring charges for the following Multiplexing Arrangements will be developed on an Individual Case Basis:

- Group to Voice
- Supergroup to Group
- Mastergroup to Supergroup
- DS1C to Voice
- DS1C to DS1
- DS3C to DS1
- Group to DS1

(C) The monthly rates and nonrecurring charges for the following Supplemental Features will be developed on an Individual Case Basis:

- Dataphone Select-a-Station Bridging Common Equipment - Addressable
- Dataphone Select-a-Station Bridging - Each Four-Wire Port

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**5. SPECIAL ACCESS (Cont'd)**

**5.6 Rate Regulations (Cont'd)**

**5.6.5 Rates and Charges on an Individual Case Basis (Cont'd)**

(D) Alternate payment arrangements for tariffed services may be made on an Individual Case Basis. A listing of customers and specific payment arrangements is set forth in Section 5.11 following.

**5.6.6 Hub Wire Centers**

A Hub Wire Center is a Telephone Company designated serving wire center at which bridging or multiplexing arrangements are provided. Bridging is used to connect three or more CDLs in a multipoint arrangement. The multiplexing arrangements channelize analog or digital facilities to individual services requiring a lower capacity or bandwidth.

Although Hub Wire Centers are defined as serving wire centers at which bridging or multiplexing arrangements are performed, they are not limited to providing these functions and may provide any other types of Special Access services offered in this Tariff. For example, the Telephone Company will designate certain Hub Wire Centers for Program Audio service offerings and the termination of Group System DS3\* Special Transport.

The Telephone Company will designate the Hub Wire Center locations. Different locations may be designated as Hub Wire Centers for different functions, such as bridging or multiplexing arrangements, for different facility capacities (e.g., multiplexing from digital to digital may occur at one wire center while multiplexing from digital to analog may occur at a different wire center). The location of Hub Wire Centers and the types of hubbing functions offered at that location are identified in the ECA Tariff FCC No. 4.

\* Limited to those services so equipped and in service as of March 25, 1999.

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**5. SPECIAL ACCESS (Cont'd)**

**5.6 Rate Regulations (Cont'd)**

**5.6.6 Hub Wire Centers (Cont'd)**

Some of the types of multiplexing provided include the following:

- from higher to lower bit rate,
- from higher to lower bandwidth,
- from digital to voice grade service.

The transmission performance for the end to end Special Access provided from CDLs will be that of the lower capacity or bit rate. For example, when a DS1 Special Access is multiplexed to voice frequency circuits, the transmission performance will be Voiceband, not High Capacity.

The Telephone Company will commence billing the monthly rate for the Special Access Line and Special Transport or Special Access Cross Connect charge for EIS arrangements, for the High Capacity facility to the Hub Wire Center as of the service date, even though individual services utilizing those facilities may not be installed until a later date. If the customer has designated the type of multiplexing to be provided with the High Capacity facility, the nonrecurring charge for the Multiplexing Arrangement will be billed to the same customer at that same time, and the billing for the monthly rate will begin.

Individual Special Access rates (by Special Access type) will apply for the Special Access Line and additional Special Transport facilities (if required) for each channelized Special Access. These will be billed to the customer specified on the ASR as each individual Special Access is installed. The appropriate application of rate elements is specified in 5.6.7(B). Shared use of a digital high capacity facility is provided for in 5.6.7(A).

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5. **SPECIAL ACCESS** (Cont'd)

5.6 **Rate Regulations** (Cont'd)

5.6.6 **Hub Wire Centers** (Cont'd)

A customer may order full-time and/or part-time Program Audio Services between two CDLs, or between a CDL and a Hub Wire Center, and will be billed accordingly at the rates set forth in Sections 5.7.3(A), 5.7.3(B), 5.7.3(C), and 5.7.3(D) following.

At the request of the customer, the full-time and/or part-time services provided to a Hub Wire Center may be connected together in the following configurations: full-time to full-time, full-time to part-time, or part-time to part-time.

The rates that apply for Program Audio Services between each CDL and the Hub Wire Center are Special Transport, if applicable, and Special Access Line. In addition, rates for Supplemental Features may be applicable.

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**5. SPECIAL ACCESS (Cont'd)****5.6 Rate Regulations (Cont'd)****5.6.7 Shared Use Analog and Digital High Capacity Services**

Monthly charges for a DS1 or DS3 high capacity shared use facility will be apportioned between Switched and Special Access based on the relative proportion of channels used for switched and special access in the following manner.

If the facility is ordered as Special Access, rating as Special Access will continue until such time as a portion of the available capacity is used to provide Switched Access service. As individual channels are activated for Switched Access, monthly charges will be apportioned between Switched and Special Access based on the number of channels used for Switched Access and the number of remaining channels on the Special Access facility according to the following formula:

- The total shared use charge is equal to the Monthly Switched Access Charge times the number of channels used for Switched Access divided by 24 for DS1 or 672 for DS3 plus the monthly Special Access Charge times the number of channels remaining for Special Access divided by 24 for DS1 or 672 for DS3.

If the facility is ordered as Switched Access, rating as Switched Access will continue until such time as a portion of the available capacity is used to provide Special Access service. As individual channels are activated for Special Access, monthly charges will be apportioned between Switched and Special Access based on the number of channels used for Special Access and the number of remaining channels on the Switched Access Facility according to the following formula:

- The total shared use charge is equal to the Monthly Special Access Charge times the number of channels used for Switched Access divided by 24 for DS1 or 672 for DS3 plus the monthly Switched Access Charge times the number of channels remaining for Switched Access divided by 24 for DS1 or 672 for DS3.

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5. **SPECIAL ACCESS** (Cont'd)

5.6 **Rate Regulations** (Cont'd)

5.6.7 **Shared Use Analog and Digital High Capacity Services** (Cont'd)

The monthly Switched and Special Access rate used will be the appropriate rate (Special Access SAL, Transport, Multiplexer and/or Cross Connect Arrangement, and Switched Access Entrance Facility, Direct-Trunked Transport, Multiplexer and/or Cross Connect Arrangement) for the underlying shared use facility, i.e., if the underlying facility is a Special Access DS3 service, the corresponding Switched Access DS3 Transport will be used to determine the Switched Access monthly charges.

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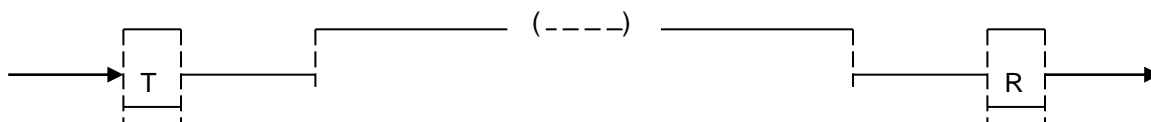
5. **SPECIAL ACCESS** (Cont'd)

5.6 **Rate Regulations** (Cont'd)

5.6.8 **Temporary Videoband Service**

(A) Type I

The rates and charges for use of facilities for Temporary Videoband - Type I Service are assessed on a per hop basis. A hop is defined as the transporting of a one-way video and associated audio signal(s) in a direct path from a transmitter location to the adjacent receiver location. The distance of a single hop is primarily a factor of the local geographics of the video path, therefore, more than one hop may be required between CDLs. The following diagram depicts a single hop.



There are two separate rate categories for a hop which are based on the provisioning of service:

- Video broadcasts which use permanent facilities, and
- Video broadcasts which use nonpermanent facilities.

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**5. SPECIAL ACCESS (Cont'd)****5.6 Rate Regulations (Cont'd)****5.6.8 Temporary Videoband Service (Cont'd)****(A) Type I (Cont'd)****(1) Use of Permanent Facilities for Temporary Video Broadcast - Type I**

Permanent facilities are those in-place facilities that are not removed at the end of a broadcast. Sites where existing permanent facilities are located for temporary broadcast service are listed in Section 5.6.8.

The rates and charges for services provided over permanent facilities for Nonrecurring Charges, for Hourly Charges, and for Technician Standby, are set forth in Section 5.7.4(A). Nonrecurring Charges for Temporary Videoband Service - Type I are also described in Section 5.6.1(E).

The Telephone Company does not contemplate constructing permanent facilities to provision future requests for temporary Type I Videoband service. However, in the event that a customer requests this type of provisioning, as set forth in 5.7.4 following, the Telephone Company will provide such facilities under Section 10, Special Construction. Accordingly, such facilities are deemed to be provided for the sole use of that customer and no other future use of those facilities is planned or expected by the Telephone Company.

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5. **SPECIAL ACCESS** (Cont'd)

5.6 **Rate Regulations** (Cont'd)

5.6.8 **Temporary Videoband Service** (Cont'd)

(A) **Type I** (Cont'd)

(2) **Use of Nonpermanent Facilities for Temporary Video Broadcast - Type I**

Nonpermanent facilities consist of portable microwave equipment (e.g., transmitter, receiver, antenna, connecting cables and associated equipment) which is set up for the broadcast and subsequently removed after the broadcast.

The rates and charges for services provided over nonpermanent facilities for Nonrecurring Charges, for Hourly Charges, and for Technician Standby are set forth in Section 5.7.4 following. Nonrecurring Charges for Temporary Videoband Service - Type I are described in Section 5.6.1(E).

Where multiple hops are required to provide the requested service, the rates and charges will apply to each hop set up for the broadcast. The Technician Standby charge will only apply to the time the Type I Videoband service is provided. The Technician Standby charge is not applied on a per hop basis.

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5. **SPECIAL ACCESS** (Cont'd)

5.6 **Rate Regulations** (Cont'd)

5.6.8 **Temporary Videoband Service** (Cont'd)

(A) **Type I** (Cont'd)

(3) **Use of Combined Facilities for Temporary Video Broadcast - Type I**

Temporary Videoband Service may require the use of combined facilities to provide the requested service. Where permanent and nonpermanent facilities are used in tandem to provide a Video service, one-half the nonrecurring charge will apply for the permanent facilities while the full nonrecurring charge will apply for the nonpermanent facilities. The hourly charge for both facilities will be applicable. The Technician Standby charge will only apply to the time the service is provided.

(4) **Joint Provisioning of Service**

Where more than one Telephone Company is involved in the provisioning of a Temporary Videoband Service - Type I, such jointly provided facilities are subject to the rules and regulations outlined in Sections 2.7 and 3.3. When the multiple bill option is employed as set forth in 2.7.3, the rates will apply as follows:

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5. **SPECIAL ACCESS** (Cont'd)

5.6 **Rate Regulations** (Cont'd)

5.6.8 **Temporary Videoband Service** (Cont'd)

(A) **Type I** (Cont'd)

(4) **Joint Provisioning of Service** (Cont'd)

When only nonpermanent facilities are used to provision the service and the service is jointly provided, the rates for the Video service will be one-half the nonrecurring charge and one-half the hourly charge. Where permanent facilities are used to provision the Video service and the service is jointly provided, the rates for the service are the entire nonrecurring charge and the entire hourly charge. Where a combination of permanent and nonpermanent facilities are used in the joint provisioning of the service, the rates for the Video service will be one-half the nonrecurring charge for the permanent and nonpermanent facilities and one-half the hourly charge for the nonpermanent facilities and the entire hourly charge for the permanent facilities.

When a single bill option is employed as set forth in 2.7.3, the rates will apply as follows: Where any combination of permanent and nonpermanent facilities are used to jointly provide the service, the entire nonrecurring charge and the entire hourly charge will apply.

The entire Technician Standby charge will be applied to the time the service is provided under either a single bill option or a multiple bill option.

(B) (Reserved for Future Use)

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5. **SPECIAL ACCESS** (Cont'd)

5.6 **Rate Regulations** (Cont'd)

5.6.9 **Special Access Surcharge (USOC - S25)**

Pending the development of techniques to accurately measure usage of local facilities which are interconnected by users by means of intrastate or foreign telecommunications, a surcharge of \$25.00 per service per month will be assessed to a two point Special Access Service, and to each additional Special Access Line when the service is configured as multipoint. The Special Access Surcharge will also be assessed upon Wideband Analog, High Capacity Digital and FT1 Services on a voiceband equivalent basis. The voiceband equivalency for these type services is as follows:

- High Capacity DS1 equates to 24 Voiceband Facilities
- High Capacity DS1C equates to 48 Voiceband Facilities
- High Capacity DS3 equates to 672 Voiceband Facilities
- High Capacity DS3C equates to 1344 Voiceband Facilities
- Wideband Group equates to 12 Voiceband Facilities
- Wideband Supergroup equates to 60 Voiceband Facilities
- Wideband Mastergroup equates to 600 Voiceband Facilities
- Each 56 Kbps or 64 Kbps channel in a FT1 Service equates to one Voiceband Facility.

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**5. SPECIAL ACCESS (Cont'd)**

**5.6 Rate Regulations (Cont'd)**

**5.6.9 Special Access Surcharge (Cont'd)**

The Special Access Service will be exempted (USOC - S25EX) from the monthly surcharge if the customer provides the Telephone Company written certification that the termination is one of the following:

- (1) The open end termination (dial tone end) of a Foreign Central Office Line, Common Control Switching Arrangement (or equivalent) or Off Network Access Line (ONAL).
- (2) Any termination of an analog circuit used for radio or television program transmission.
- (3) Any termination of a line used for telex service.
- (4) Any termination of a line by nature of its operating characteristics and nature of connection could not make use of common lines.
- (5) Any line termination, other than (1) through (4) preceding, which is subject to the following charges: (a) End Office Switching and (b) Switched Transport.
- (6) A termination that the customer certifies to the Telephone Company is not connected to a PBX or other device capable of interconnecting the Special Access Service to the local network. If the PBX or other device has been configured either through software programming or physical restrictions not to access the local network, then the customer may file the surcharge exemption for the Special Access Service terminating on this equipment.

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**5. SPECIAL ACCESS (Cont'd)**

**5.6 Rate Regulations (Cont'd)**

**5.6.9 Special Access Surcharge (Cont'd)**

In order for the Telephone Company to determine the application of the surcharge with respect to specific services, the customer must report the intended use of all services when placing ASRs for Special Access Service. In addition, when ordering High Capacity Analog or Digital services, the customer must report the use for each voice equivalent circuit of the high capacity service. When any circuit is reported wholly used in any manner described in (1) through (6) preceding, the surcharge will not apply. If the intended use is not reported, the surcharge will apply.

If, at any time after the installation of a service which is subject to the surcharge, the customer reports that the service is being used consistently with any exception listed above, the Telephone Company will credit the customer for the surcharge. Credit will not be given beyond the receipt date of the certification for exemption.

**5.6.10 Message Station Equipment Recovery Charge**

Message Station Equipment Recovery Charge is a charge to recover that portion of message station equipment which is assigned to Special Access Service. Since there is zero cost assigned to Message Station Equipment Recovery in Special Access the charge is \$.00.

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5. **SPECIAL ACCESS** (Cont'd)

5.6 **Rate Regulations** (Cont'd)

5.6.11 **DS3 High Capacity Service**

(A) **DS3 Rate Structure**

Option 1: (System DS3s) SALs are provided as one of two system offerings: 3 System and Unlimited System. SAL rates for system DS3s vary dependent on whether the interface provided is electrical or optical. Additional SALs may only be added with the same interface with Telephone Company electronics or without Telephone Company electronics (electrical or optical) as the First System. All DS3 SALs are non-distance sensitive.

Under a 3 System DS3, additional DS3 SALs, up to a maximum of two, may be ordered by the same customer, between the same CDL and serving wire center.

Under an Unlimited System DS3, additional SALs, with no maximum, may be ordered by the same customer, between the same CDL and serving wire center.

Group System DS3s are limited to those services so equipped and in service as of March 25, 1999. Group System DS3s provide a total capacity of 12 (DS3 x 12) or 24 (DS3 x 24) DS3 SALs. All DS3s in a Group System must be between the same CDL and serving wire center.

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5. **SPECIAL ACCESS** (Cont'd)

5.6 **Rate Regulations** (Cont'd)

5.6.11 **DS3 High Capacity Service** (Cont'd)

(A) **DS3 Rate Structure** (Cont'd)

Option 2:

(Individual DS3) This option provides individual DS3 service. Before confirming the ASR for this option, the Telephone Company will verify the availability of a DS3 interface at the CDL. If a DS3 interface can be made available with no physical change to the existing configuration at the CDL, the ASR will be confirmed and processed. If this condition is not met, the customer will be advised and no charge will be assessed for the unprocessed ASR. The customer may then cancel the ASR or submit a new ASR for one of the services available under Option 1.

SAL rates for Individual DS3s vary dependent on whether the interface provided is electrical or optical.

A DS3 SAL provides a spare transmission path (transmit and receive) connected to an automatic protection switch. In the event of failure in the primary service, traffic will be automatically transferred to the spare transmission facilities. When a customer orders a DS3 SAL, the customer may request that the spare transmission path be provided via an alternate route provisioned as the Telephone Company may elect. If common points for the primary and alternate route become necessary, these points will be identified by the Telephone Company and provided to the ordering customer. Should the routing arrangement require special routing requirements specified by the customer, other rates and regulations as set forth in Section 9 or Section 10 may be applicable.

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5. **SPECIAL ACCESS** (Cont'd)

5.6 **Rate Regulations** (Cont'd)

5.6.11 **DS3 High Capacity Service** (Cont'd)

(A) **DS3 Rate Structure** (Cont'd)

A customer may order the same or different type of DS3 SALs for each CDL(s) at which DS3 service is terminated.

When a customer requests the disconnect of a DS3 service in the 3 System DS3 or Unlimited System DS3, an Additional System DS3 SAL must be disconnected first. When only the First DS3 service exists, that service will be disconnected.

Any costs associated with Special Construction as set forth in Section 10 will also apply.

DS3 Special Transport contains two rate elements, Special Transport Termination and Special Transport Facility. Special Transport Termination rates apply for the termination of each end of the interoffice facility. Special Transport Facility rates apply for each airline mile of the interoffice facility. Group System DS3\* Transport Terminations (DS3 x 12 and DS3 x 24) and Group System DS3\* Transport Facilities are only available when connected to at least one DS3 Group System\* SAL of the same level (12 or 24). In addition, the Special Transport Facility and Special Transport Termination rates apply per DS3 Group as 12 or 24\*.

(B) (Reserved for Future Use)

\* Limited to those services so equipped and in service as of March 25, 1999.

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5. **SPECIAL ACCESS** (Cont'd)

5.6 **Rate Regulations** (Cont'd)

5.6.11 **DS3 High Capacity Service** (Cont'd)

(C) **Minimum Service Periods**

Individual DS3s and System DS3s are offered under four minimum service periods, each with different rate levels. The minimum service periods are 1, 3, 5 and 7 years. The customer must specify the minimum service period at the time the service is ordered. First and Additional DS3 SALs (3 System DS3s and Unlimited System DS3s) can have a different minimum service period. However, each DS3 SAL of a two-point DS3 service must have the same minimum service period.

The customer may select a longer minimum service period at any time, without penalty or application of nonrecurring charges, to obtain the lower monthly recurring rates associated with a longer minimum service period. When the customer selects this option, no credit toward the new service period will be given for the amount of time they were under the shorter minimum service period. The new recurring charges will apply subsequent to the effective date of the new minimum service period.

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5. SPECIAL ACCESS (Cont'd)5.6 Rate Regulations (Cont'd)5.6.11 DS3 High Capacity Service (Cont'd)(D) Expiration of Service Period

At the expiration of a service commitment period, the Customer may select a new DS3 commitment period. If the customer does not select a new minimum service period within 60 days from the expiration date, billing will remain at the current service period and a new DS3 minimum service period will begin based on the previously effective service period. All terms and conditions, including Subsequent Termination Liabilities will apply to the new DS3 period.

Customers with expired service periods for the Individual System, Three System and unlimited System DS3s, prior to the effective date of this tariff offering, will have up to 180 days to select a new commitment service period. If the Customer does not select a new service period within 180 days of the effective date of this tariff, billing will remain at the current service period and a new DS3 minimum service period will begin based on the last service period. The beginning date of the new service period will be the date immediately following the expiration date of the expired service period. This does not apply to the grandfathered DS3 Group System service offerings.

(E) Discontinuance Without Liability - DS3 Minimum Service Period

Should the recurring charges for a customer's DS3 service increase, in aggregate, by more than 10% from the original recurring charges during the minimum service period, the customer may, at their option, terminate the DS3 service without penalty or liability.

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5. **SPECIAL ACCESS** (Cont'd)

5.6 **Rate Regulations** (Cont'd)

5.6.11 **DS3 High Capacity Service** (Cont'd)

(F) **Discontinuance With Liability - DS3 Minimum Service Period**

When a DS3 service is discontinued prior to the end of the minimum service period, the customer will be liable for a percentage of the total monthly charges for the remaining portion of the minimum service period. This charge will be based on the rates in effect at the time of disconnect. There are two liability periods for DS3 service, "first liability period" and "subsequent liability period." The "first liability period" is the period beginning from the establishment of the DS3 and is based on the customer's initial commitment term for the DS3. The "subsequent liability period" is the period after the customer's initial commitment term has expired and the customer wants to renew the DS3 service with the existing term period or select a new DS3 term period. The customer's total liability for the "first liability period" or "subsequent liability period" is dependent upon the number of months remaining within the year that the service is discontinued times the liability rate for that year plus the total monthly charges for each annual period remaining in the "first liability period" or "subsequent liability period" times the applicable liability rate. The liability rates for each year of the minimum service period are as follows:

<u>Year In Which Service Is Discontinued</u>	<u>1st Liability Period Rate</u>	<u>Subsequent Liability Period Rate</u>
1	45%	20%
2	30%	20%
3	25%	20%
4	20%	20%
5	20%	20%
6	20%	20%
7	20%	20%

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5. **SPECIAL ACCESS** (Cont'd)

5.6 **Rate Regulations** (Cont'd)

5.6.11 **DS3 High Capacity Service** (Cont'd)

(F) **Discontinuance With Liability - DS3 Minimum Service Period** (Cont'd)

For example, if a customer with a first liability period of seven years discontinues the DS3 service after six months within the 4th year, the customer will be liable for 20% of the total monthly charges for six months, 20% of the total monthly charges for the 6th year and 20% of the total monthly charges for the 7th year.

If the DS3 service is disconnected during the subsequent seven year liability period, the Customer will be liable for 20% of the total monthly charges for the remaining months for each annual period remaining in the seven year minimum service period.

Customers with a minimum service period arrangement of three years or greater established prior to September 17, 1992, who discontinue service are eligible for limitation of the termination liability as set forth below.

Customer liability will be calculated as previously stated but will be limited to:

The dollar difference between 1) the amount the customer has already paid and, 2) any additional charges that the customer would have paid for service if the customer had taken a shorter term offering corresponding to the term actually used.

For example, if a customer with a seven year minimum service period discontinues service after six months within the third year, the customer liability will not exceed:

$[(\text{Three year monthly rate} - \text{Seven year monthly rate}) \times 42 \text{ months}]$

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**5. SPECIAL ACCESS (Cont'd)**

**5.6 Rate Regulations (Cont'd)**

**5.6.11 DS3 High Capacity Service (Cont'd)**

**(G) Notification of Discontinuance**

Notice of discontinuance must be given by the customer at least thirty days prior to actual discontinuance. Monthly charges will apply for a period of thirty days from the date the Company receives discontinuance notification or until the requested discontinuance date, whichever period is longer.

**(H) Upgrade to Higher Speed Service**

Customers may elect to upgrade DS3 service(s) to a higher speed during a first liability period or subsequent liability period. The upgraded service will be subject to all appropriate NRCs.

If the following conditions exist, no termination liabilities will be applied:

- Both the existing and the new services are provided solely by the Company.
- The order to discontinue a service at an existing speed or capacity and the order for the upgraded service are received by the Company at the same time.
- The new service will be provided at the same customer location(s) as the discontinued service.
- The fixed-period plan for the upgraded service(s) meets or exceeds the remaining length of the existing fixed-period plan.

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5. **SPECIAL ACCESS** (Cont'd)

5.6 **Rate Regulations** (Cont'd)

5.6.11 **DS3 High Capacity Service** (Cont'd)

(H) **Upgrade to Higher Speed Service** (Cont'd)

- The total monthly rate of the new agreement is equal to or greater than the total monthly rate of the existing agreement period.
- The monthly rates for the upgraded services and/or service elements will be those in effect at the time of the service upgrade. The upgraded service will be subject to all appropriate nonrecurring charges.
- Termination liability charges will not apply as long as the upgraded service remains connected at the same point of termination(s) or meets the requirements set forth in Section 5.6.4(B)(2).

(I) (Reserved for Future Use)

(J) (Reserved for Future Use)

(K) (Reserved for Future Use)

(L) **DS3 Multiplexer Cross Connect Arrangement**

For DS3 multiplexed services, the DS3 Multiplexer Cross Connect arrangement allows a customer to cross connect digital DS1 channels from one multiplexer to another multiplexer. The rate as specified in 5.7.14 will apply per cross connect arrangement. If the DS3 multiplexed services are located in different hub wire centers, DS1 special transport will apply in addition to the DS3 cross connect charge. The customer must provide the channel assignments (CFA and SCFA) for both multiplexed services on the ASR.

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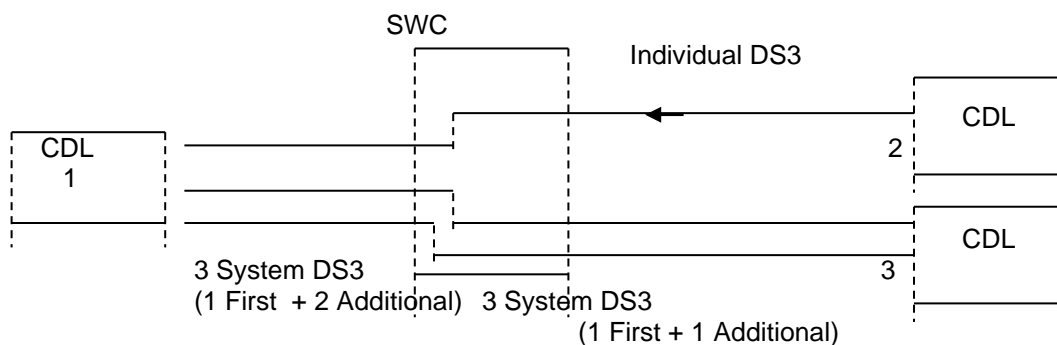
5. **SPECIAL ACCESS** (Cont'd)

5.6 **Rate Regulations** (Cont'd)

5.6.11 **DS3 High Capacity Service** (Cont'd)

(M) **Partitioned Billing Arrangement (PBA)**

PBA is a service arrangement that allows System DS3 (3 System, Unlimited System, or Group System\*) customers to partition the multiple DS3s to a number of CDLs on the other end of the circuit (see diagram below). All rate elements associated with the PBA must be billed to the same customer.



For 3 System DS3s and Unlimited System DS3s ordered under a PBA, each CDL must have a first system SAL. Additional SALs may then be ordered under the normal System terms and conditions.

\* Limited to those services so equipped and in service as of March 4, 1999.

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**5. SPECIAL ACCESS (Cont'd)****5.6 Rate Regulations (Cont'd)****5.6.11 DS3 High Capacity Service (Cont'd)****(M) Partitioned Billing Arrangement (PBA) (Cont'd)**

When Group System DS3\* Special Transport is provided as part of a PBA, a Group System DS3\* SAL of the same level (DS3 x 12, DS3 x 24)\* must be connected to one end of the Group DS3\* Special Transport. Under a PBA only, DS3 x 12 Group System\* Special Transport may be connected to DS3 x 24 Group System\* Special Transport at hub wire centers. Also, standard DS3 Special Transport may be connected to either DS3 Group System\* Special Transport at hub wire centers. All DS3 Special Transport Terminations apply for each type of DS3 Special Transport.

When ordering a PBA the customer must specify on the ASR the Access Service Group (ASG) and the First System DS3 circuit identification (ECCKT) at both CDLs. Each 3 System DS3 and/or Unlimited System DS3 at a CDL must be ordered as separate PBAs.

Customers with existing DS3 Systems (3 System, Unlimited System, or Group System\*) may convert to a PBA. To convert, the customer must issue discontinuance of service ASR(s) for the existing DS3s and establishment of new service ASR(s) for each CDL to be converted to the PBA. If no physical changes to the service(s) are required, no NRCs will apply. If any physical changes are required, appropriate NRCs will apply.

\* Limited to those services so equipped and in service as of March 4, 1999.

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5. **SPECIAL ACCESS** (Cont'd)

5.6 **Rate Regulations** (Cont'd)

5.6.12 **Optional Payment Plan (OPP)**

(A) **General**

- (1) The terms and conditions specified herein are applicable to FT1 and DDS services. Additional terms and conditions for FT1 OPP are set forth in 5.6.12(H). Additional terms and conditions for DDS OPP are set forth in 5.6.12(I).
- (2) Only the Special Access Line (SAL) rate element is available under an OPP. All other associated rate elements or additional features are available at the standard month-to-month tariffed rates and regulations.
- (3) FT1 OPP SAL rates will not be greater than standard month-to-month SAL rates.
- (4) Three year and five year OPP rates will be equal to or less than the one year OPP rates. Decreases to the one year OPP will flow through to the three year and five year OPP.
- (5) Payment periods of one year, three year, and five year are available to all customers at the applicable rates set forth in 5.7.5(B) or 5.7.8(B) regardless of when they subscribe to an OPP arrangement.
- (6) The customer must designate on the ASR the payment period for the OPP.
- (7) Inside moves, provided in accordance with 5.6.4, will not incur termination liability charges.

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5. **SPECIAL ACCESS** (Cont'd)

5.6 **Rate Regulations** (Cont'd)

5.6.12 **Optional Payment Plan (OPP)** (Cont'd)

(A) **General** (Cont'd)

(8) Outside moves provided in accordance with 5.6.4(B)(2) will allow the customer to retain the same OPP payment period. Any other move will be treated as a disconnect of the service and termination liability charges will apply.

(B) **Changes in Length of OPP Period**

Prior to the completion of the selected OPP period, the customer may elect to convert to a new OPP period of the same or different length, subject to the following conditions:

- No credit toward the new payment period will be given for payments made under the original OPP arrangement.
- Nonrecurring charges will not be reapplied for existing service(s).
- If the new OPP period is shorter in length than the time remaining under the existing OPP, the change to the new OPP period constitutes a disconnect of the existing OPP service and termination liability charges apply.

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5. **SPECIAL ACCESS** (Cont'd)

5.6 **Rate Regulations** (Cont'd)

5.6.12 **Optional Payment Plan (OPP)** (Cont'd)

(C) **Renewal Options**

- (1) At the expiration of an OPP period, the Telephone Company will automatically renew the service at the same OPP period unless the customer chooses to convert to a different OPP period, convert to month-to-month rates or discontinue service.
- (2) Conversion to a different OPP period will require the customer to submit a change order ASR. Conversion to a different OPP period will be allowed without application of any nonrecurring or ordering charges.
- (3) Conversion to month-to-month rates will be treated as a disconnect of service and establishment of new service. If no other changes are ordered, no NRCs will apply.

(D) **Notification of Discontinuance**

An ASR for discontinuance of an OPP arrangement must be received by the Telephone Company at least thirty (30) days prior to actual disconnect of service. Monthly charges will apply for a period of thirty (30) days from the date the Telephone Company receives disconnect notification or until the requested disconnect date, whichever period is longer.

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5. **SPECIAL ACCESS** (Cont'd)

5.6 **Rate Regulations** (Cont'd)

5.6.12 **Optional Payment Plan (OPP)** (Cont'd)

(E) **Upgrade to Higher Speed Service**

Customers may elect to upgrade service(s) to a higher speed during an OPP period, subject to the following conditions:

- The upgraded service will be subject to all appropriate nonrecurring charges.
- Termination liability charges will not apply as long as the upgraded service remains connected at the same point of termination(s) or meets the requirements set forth in 5.6.4(B)(2).
- If the upgrade involves establishing a multiplexing arrangement, termination liability charges will not apply if the hub wire center is the same one associated with the customer designated location.

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5. **SPECIAL ACCESS** (Cont'd)

5.6 **Rate Regulations** (Cont'd)

5.6.12 **Optional Payment Plan (OPP)** (Cont'd)

(F) **Termination Liability**

When an OPP service is discontinued prior to the end of the period, termination liability charges, as set forth below, will apply based on the remainder of the OPP period in effect at the time of disconnect.

One Year OPP - 50% of any remaining portion of the first year's recurring charges.

Three Year OPP - 50% of any remaining portion of the first year's recurring charges. In addition, for any remaining portion of the second and third years, the customer will be liable for 10% of the total monthly recurring charges in that time period.

Five Year OPP - 50% of any remaining portion of the first year's recurring charges. In addition, for any remaining portion of the second through fifth years, the customer will be liable for 20% of the total monthly recurring charges in that time period.

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5. **SPECIAL ACCESS** (Cont'd)

5.6 **Rate Regulations** (Cont'd)

5.6.12 **Optional Payment Plan (OPP)** (Cont'd)

(G) Termination Without Liability

During an OPP period, should the currently effective rate for a customer's service increase, the customer may, at their option, terminate the OPP arrangement without penalty or liability.

(H) OPP for FT1 Service

A customer may change from DS1 OPP service to an FT1 OPP service subject to the following rate applications. Also, a customer may change the number of channels of an N x 56 Kbps or N x 64 Kbps service to another higher value of N (where N = 2, 4 or 6), subject to the following rate applications:

- The changed service will be subject to all appropriate nonrecurring charges.
- Termination liability charges will not apply as long as the changed service remains connected at the same point of termination(s) or meets the requirements of 5.6.4(B)(2).
- If the change involves establishing a multiplexing arrangement, termination liability charges will not apply if the hub wire center is the same one associated with the customer designated location.

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5. **SPECIAL ACCESS** (Cont'd)

5.6 **Rate Regulations** (Cont'd)

5.6.12 **Optional Payment Plan (OPP)** (Cont'd)

(I) **OPP for DDS**

- (1) For conversion of existing month-to-month DDS to an OPP arrangement, the customer will be required to submit a change order ASR to convert to the OPP. No service or billing interruption will occur when a customer converts from month-to-month rates to OPP rates. If no other changes to be service are ordered, no charges will apply.
- (2) A customer may upgrade from a DDS OPP to an FT1 OPP subject to the following rate applications:
  - The changed service will be subject to all appropriate nonrecurring charges.
  - Termination liability charges will not apply as long as the changed service remains connected at the same point(s) of termination or meets the requirements of 5.6.4(B)(2).

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5. **SPECIAL ACCESS** (Cont'd)

5.6 **Rate Regulations** (Cont'd)

5.6.13 **DS1 Term Volume Plan (TVP)**

(A) **Description**

The DS1 Term Volume Plan (TVP) allows customers discounts, which are applied to DS1 SALs based upon a volume and term commitment. The customer's DS1 SAL commitment level can be establishment on a statewide basis or negotiated between the customer and the Telephone Company. The TVP is offered for a 1, 2, 3, or 5 year service commitment period. All of the customer's TVP DS1 SALs will be billed the same rate based on the length of the term selected by the customer and the threshold level in which the commitment quantity falls. All other associated rate elements or additional features are available at the standard month-to-month tariffed rates and regulations.

During the TVP term, the customer may elect to increase the term or commitment level of the plan without any Termination Liability provided there is no lapse of time between the effective date of the increase and the termination of the previously effective term or commitment quantity.

The new term length begins on the same start day as the term length it replaces. There will not be any retroactive adjustments of a discount due to a customer-initiated change in term or commitment quantity.

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5. **SPECIAL ACCESS** (Cont'd)

5.6 **Rate Regulations** (Cont'd)

5.6.13 **DS1 Term Volume Plan (TVP)** (Cont'd)

(B) **Rate Application**

For conversion of existing month-to-month DS1 service to a TVP arrangement, the customer will be required to submit written notification or a change order ASR to convert to the TVP. No service or billing interruption will occur when a customer converts from month-to-month rates to a TVP. If no other changes to the service(s) are ordered, no charges will apply.

If a change involved establishing a multiplexing arrangement, termination liability will not apply if the hub wire center and the serving wire center of the customer designation location are the same.

(C) **Rate Changes**

Rate changes in the TVP monthly recurring DS1 SAL rates will be passed on to subscribers of the plan. However, during the TVP period, should the rates increase, the customer may, at his option, terminate the TVP arrangement without penalty or liability, unless the increase is a result of FCC action.

(D) **Threshold Levels**

Two or more DS1 SALs are required to qualify for a TVP. Rates are applied based on the following DS1 SAL threshold levers: 2-60, 61-120, 121-500, 501-1000, 1001-3000, 3001-6000, 6001-11,000 and over 11,000.

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**5. SPECIAL ACCESS (Cont'd)****5.6 Rate Regulations (Cont'd)****5.6.13 DS1 Term Volume Plan (TVP) (Cont'd)****(E) Changes to Commitment Quantity or Term**

At any time during the plan term, the customer may increase the commitment quantity of DS1 SALs or commitment term to receive a lower threshold rate by submitting written notification to the Telephone Company.

When a penalty is assessed at the annual review, as set forth in 5.6.14(l), the number of DS1 SALs in service will become the commitment quantity for the subsequent years' annual review.

**(F) TVP Plan Enrollment\***

When the customer elects to enroll in a TVP, he must specify, in writing, enrollment date (which will be the anniversary date) and the DS1 SAL commitment quantity. The specified enrollment date must be within 30 days of receipt. By the specified date, the customer must submit a request in writing or issue ASR(s) to add DS1 SALs to the TVP and/or convert month-to-month arrangement DS1 SALs to the TVP to fall within the commitment quantity specified.

\* On the effective date of this tariff offering, the TVP Service offering replaces the DS1 Term Payment Plan (TPP) and Optional Payment Plan (OPP) arrangements. Existing customers of these DS1 payment plans may be converted to the TVP based on their current term and quantity of DS1 SALs under the TPP or OPP, unless the customer designates a different arrangement. Customers will have 90 days to designate, in writing, a different TVP commitment quantity or term or select the month-to-month rate application. Termination liability charges will not apply. Customer's DS1 SALs not enrolled in their TVP will be rated as month-to-month.

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5. **SPECIAL ACCESS** (Cont'd)

5.6 **Rate Regulations** (Cont'd)

5.6.13 **DS1 Term Volume Plan (TVP)** (Cont'd)

(G) **Annual Review**

Each customer's TVP will be reviewed annually. The customer will be notified in writing as to the status of the TVP. If the in-service DS1 SAL quantity falls below the commitment quantity. An allowance of 3% will be considered as having met the commitment quantity. Where the customer does not meet the minimum quantity of DS1 SALs in service, penalties will be assessed as set forth under 5.6.14(I).

If the number of DS1 SALs increase from the initial commitment, the customer will have the option of increasing the commitment level for the remainder of his TVP. If the customer chooses not to increase the commitment level, he may convert the increased number of DS1 SALs to a monthly plan or a second TVP plan.

The customer may decrease the commitment level at the time of the annual review and pay the applicable penalties for the amount of DS1 SALs being decreased. Penalties will apply as set forth in 5.6.14(I).

The customer will have 30 days from receipt of notification to convert DS1 SALs. If the customer does not take action during the 30 day period, the commitment level will be automatically changed to the number of TVP DS1 SALs in effect at the annual review.

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**5. SPECIAL ACCESS (Cont'd)****5.6 Rate Regulations (Cont'd)****5.6.13 DS1 Term Volume Plan (TVP) (Cont'd)****(H) TVP Conditions**

If a DS1 service (circuit) consists of two DS1 SALs, both DS1 SALs must be in the TVP.

After enrolling in the plan, the customer may add or delete DS1 SALs rated at the specified term/threshold level rate at any time during the plan. For example, if the customer agrees to a 2 year TVP at the 61-120 DS1 SAL threshold level, DS1 SALs may be added at any time at the 2 year 61-120 threshold rate level.

**(I) Penalties for Failing to Meet Commitment**

When the number of TVP DS1 SALs at the annual review is less than the commitment quantity minus 3%, the penalty will be the TVP rate for the current threshold multiplied by the shortfall multiplied by 4 months.

For example, if the commitment quantity is 100 and the customer has 90 DS1 TVP SALs at the time of the annual review, the penalty described below will be applied to the shortfall difference of 97 (3% less than 100) and 90.

- Current threshold level is 61-120, 5 year term
- In-service quantity at annual review is 90
- Shortfall is  $97 - 90 = 7$
- Penalty is calculated as follows:

$\$170.00^* \times 7 \times 4 \text{ months} = \$4760.00 \text{ penalty.}$

\*TVP MRC for five year, 61-120 quantity.

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5. **SPECIAL ACCESS** (Cont'd)

5.6 **Rate Regulations** (Cont'd)

5.6.13 **DS1 Term Volume Plan (TVP) (Cont'd)**

(J) **TVP Nonrecurring Charge**

Customers subscribing to a TVP will be assessed a nonrecurring charge per DS1 SAL except when converting standard month-to-month DS1 SALs to a TVP.

(K) **Changes in Length of a TVP Period**

Prior to the expiration of a TVP period, the customer may elect to convert to a new TVP period of the same or different length, subject to the following conditions:

- No credit will be given for the new payment period for payments made under the original TVP arrangement
- NRCs will not be reapplied for existing service(s)
- If the new TVP period is shorter in length than the time remaining under the existing TVP, the change to the new TVP period constitutes a disconnect of the existing TVP service and termination liability charges will apply as set forth under 5.6.14(N).

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**5. SPECIAL ACCESS (Cont'd)****5.6 Rate Regulations (Cont'd)****5.6.13 DS1 Term Volume Plan (TVP) (Cont'd)****(L) Renewal Options**

At the expiration of a TVP period, the customer may select a new TVP period or convert to a month to month payment plan. If the customer fails to make this selection, the Telephone Company will notify the customer and continue two additional months of TVP billing. If the customer does not select a new payment plan within 60 days from the expiration date, billing will remain at the current threshold level and a new TVP period will begin based on the previously effective term and quantity commitment. All terms and conditions, including termination liabilities, will apply to the new TVP period.

**(M) Upgrade to Higher Speed Service**

The customer may upgrade service to a higher speed during a TVP period. The upgraded service will be subject to all appropriate NRCs.

If the following conditions exist, no termination liabilities will be applied for the decreased number of TVP SALs that are upgraded to a higher speed service.

- The customer must notify the Telephone Company in writing in addition to the ASR.
- The higher speed service period must be equal to or longer in length than the time remaining under the TVP.
- The upgraded service remains connected at the same point(s) of termination.

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5. **SPECIAL ACCESS** (Cont'd)

5.6 **Rate Regulations** (Cont'd)

5.6.13 **DS1 Term Volume Plan (TVP)** (Cont'd)

(N) Termination Liability

When a TVP arrangement is discontinued prior to the end of the commitment period, termination liability charges, as set forth below, will apply based on the remainder of the TVP period in effect at the time of disconnect.

One year TVP - 50% of any remaining portion of the first year's recurring charges.

Two Year TVP - 50% of any remaining portion of the first year's recurring charges. In addition, for any remaining portion of the second year, the customer will be liable for 5% of the total monthly recurring charges in that time period.

Three Year TVP - 50% of any remaining portion of the first year's recurring charges. In addition, for any remaining portion of the second and third years, the customer will be liable for 10% of the total monthly recurring charges in that time period.

Five Year TVP - 50% of any remaining portion of the first year's recurring charges. In addition, for any remaining portion of the second through fifth years, the customer will be liable for 15% of the total monthly recurring charges in that time period.

(O) Termination Without Liability

During a TVP period, should the currently effective rate for a customer's service increase, the customer may, at their option, terminate the TVP arrangement without penalty or liability, unless the increase is the result of FCC action.

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5. **SPECIAL ACCESS** (Cont'd)

5.7 **Rates and Charges**

	<u>Nonrecurring Charge</u>	<u>Monthly Rate</u>
<b>5.7.1 <u>Nonrecurring Charges</u></b>		
<u>Design Change Charge</u> (H28) Per ASR, Per Occurrence	\$27.00	
<b>5.7.2 <u>Voiceband Facilities</u></b>		
(A) <u>Standard Arrangements</u>		
Special Transport - Per Airline Mile (1LFSX)		\$ 3.12
Special Access Line Nonrecurring Charge	\$200.00	
Two-Wire (EUC2X,1XC2X,X2W)		28.40
Four-Wire (EUC4X,1XC4X,X4W)		44.32
(B) <u>Optional Arrangements</u>		
<u>Supplemental Features</u>		
Multi-point Data Bridging Per Port (B5NDJ)	-	\$ 8.00
Voice Conference Bridging Per Port (B5NVJ)	-	8.00
Alarm Distribution Bridging Common Equipment (BCNTA) Per Two-Wire Port (CNLRX)	- - -	30.00 2.00
Conditioning Arrangements - Data		
Type C (X1CPT)	-	1.50
Type DA (XDCPT)	-	2.00
Type C-Improved (UHY,UHW,XCECM)	- -	30.00
Signaling Arrangements, Per SAL Loop Signaling Range Extension (OSA)	- - -	10.00 16.00 14.00
Loop or E&M to SF (OSB)	-	12.00
E&M to DX (OSC)	-	4.00
E&M to Loop (OSD)	-	10.00
Loop or E&M to PCM (OSN)	-	
Automatic Ringdown (XSSLR)	-	

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5. **SPECIAL ACCESS** (Cont'd)

5.7 **Rates and Charges** (Cont'd)

	<u>Nonrecurring Charge</u>	<u>Monthly Rate</u>
<b>5.7.2 <u>Voiceband Facilities</u> (Cont'd)</b>		
(B) <u>Optional Arrangements</u> (Cont'd)		
<u>Supplemental Features</u> (Cont'd)		
Echo Control, per circuit		
Echo Suppression* (OE1)	-	\$30.00
Echo Canceller ORJ)	-	85.00
Voiceband Facility Switching Arrangement (UST)	-	7.00
Improved Return Loss, Per SAL (1RL)	-	3.75
Improved Termination Option, Per SAL (X4T)	-	10.00
Improved Equal Level Echo Path Loss, Per SAL (ORP)	-	3.75

**5.7.3 Program Audio Facilities**

	<u>Nonrecurring Charge</u>	<u>Monthly Rate</u>	<u>Daily Rate</u>
(A) <u>Standard Arrangements - (200-3500 Hz)</u>			
Special Transport - Per Airline Mile (1LFSX)		\$ 6.37	\$0.64
Special Access Line (EUCXX,LCH)	\$200.00	22.33	2.23
(B) <u>Standard Arrangements - (100-5000 Hz)</u>			
Special Transport - Per Airline Mile (1LFSX)		\$ 6.37	\$0.64
Special Access Line (EUCXX,LCH)	\$200.00	22.33	2.23
(C) <u>Standard Arrangements - (50-8000 Hz)</u>			
Special Transport - Per Airline Mile (1LFSX)		\$ 6.37	\$0.64
Special Access Line (EUCXX,LCH)	\$200.00	22.33	2.23

\* Obsolete and is applicable only to circuits so equipped prior to January 1, 1987.

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5. **SPECIAL ACCESS** (Cont'd)

5.7 **Rates and Charges** (Cont'd)

5.7.3 **Program Audio Facilities** (Cont'd)

	<u>Nonrecurring Charge</u>	<u>Monthly Rate</u>	<u>Daily Rate</u>
(D) <u>Standard Arrangements - (50-15000 Hz)</u>			
Special Transport - Per Airline Mile (1LFSX)		\$ 6.37	\$0.64
Special Access Line (EUCXX, LCH)	\$200.00	22.33	2.23
(E) <u>Optional Arrangements</u> <u>(50-15000 Hz Facilities Only)</u> <u>Supplemental Features</u>			
Conditioning-Program Audio Stereo Conditioning, Per occurrence (XSC)	-	1.00	.10
(F) <u>Optional Arrangements</u> <u>(All Bandwidths)</u> <u>Supplemental Features</u>			
Program Audio Bridging, Per Port (BCNPT)	-	1.00	.10
Conditioning-Program Audio, Zero Loss, Per SAL (XZB)	-	12.00	1.20

5.7.4 **Video Facilities**

	<u>Nonrecurring Charge</u>	<u>Hourly Rate</u>
(A) <u>Temporary Videoband Service - Type I</u>		
<u>Permanent Facilities, Per Hop (VBP)</u>	ICB	*
<u>Nonpermanent Facilities,     Per Hop (VBN)</u>	ICB	**
<u>Technician Standby, Per Hour (ALV)</u>		**
(B) (Reserved for Future Use)		

\* Provisioned as set forth in accordance with Special Construction in Section 10.

\*\* Provisioned as set forth in accordance with Special Access ICBs in Section 5.

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5. **SPECIAL ACCESS** (Cont'd)

5.7 **Rates and Charges** (Cont'd)

5.7.5 **Digital Data Service Facilities**  
**(2.4, 4.8, 9.6, 19.2, 56, and 64 Kbps)**

	<u>Nonrecurring Charge</u>	<u>Monthly Rate</u>
(A) <u>Standard Arrangements</u>		
Special Transport - All Speeds Per Airline Mile (1LFSX)		\$ 4.50
Special Access Line Nonrecurring Charge, All Speeds (NRBDD)	\$250.00	
2.4 kbps (EUCXX,LCH)	\$110.45	
4.8 kbps (EUCXX,LCH)	110.45	
9.6 kbps (EUCXX,LCH)	110.45	
19.2 kbps (EUCXX,LCH)		110.45
56 kbps (EUCXX,LCH)	110.45	
64 kbps (EUCXX,LCH)	110.45	
(B) <u>DDS Optional Payment Plan</u>		
Special Access Line Nonrecurring Charge, All Speeds	\$0.00	
2.4, 4.8, 9.6, 19.2 kbps 1 Year (SLHF1,LCYF1)	\$65.00	
3 Year (SLHF3,LCYF3)	55.00	
5 Year (SLHF5,LCYF5)	54.50	
56, 64 kbps 1 Year (SLHF1,LCYF1)	\$78.00	
3 Year (SLHF3,LCYF3)	68.00	
5 Year (SLHF5,LCYF5)	66.20	
(C) <u>Optional Arrangements</u> <u>Supplemental Features</u>		
DDS Bridging, Per Port (BCNDA) -		\$11.00

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**ACCESS SERVICE****5. SPECIAL ACCESS (Cont'd)****5.7 Rates and Charges (Cont'd)****5.7.6 Multiplexing Arrangements**

	<u>Nonrecurring Charge</u>	<u>Monthly Rate</u>
DS1 to Voice (MQ1/MQJ++)	\$800.00	\$195.00
DS3 to DS1 (MQ3)	450.00	419.81
Digital Data Carrier Multiplexer (QMU)	1,500.00	275.00
Digital Data Subrate Multiplexer		
One DSO Port to Twenty 2.4 kbps (QSU24)	800.00	160.00
One DSO Port to Ten 4.8 kbps (QSU48)	800.00	120.00
One DSO Port to Five 9.6 kbps (QSU96)	800.00	100.00

**5.7.7 High Capacity Digital DS1 (1.544 Mbps) Facilities****(A) Standard Arrangements**

Special Access Line (1X7VX,EU7VX)	\$450.00	\$240.00
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*Each Additional System (EUB,1XCAX,EU4EX,1CKEX)	130.00*	100.00*
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Special Transport Termination (TRG)		30.60
Special Transport Facility Per Airline Mile (1LFSX)		10.15

**(B) Optional Arrangements  
Supplemental Features**

Automatic Protection Switching (APP)	\$700.00	100.00
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**(C) DS1 Optional Payment Plan**

First System DS1 Special Access Line		
One Year (EU4CX,1CKCX)	-	\$216.00 *
Three Year (EU4AX,1CKAX)	-	194.00 *
Five Year (EU4BX,1CKBX)	-	173.00 *

\* DS1 Additional System is available only to Existing Customers as of October 31, 1998.

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5. **SPECIAL ACCESS** (Cont'd)

5.7 **Rates and Charges** (Cont'd)

5.7.8 **High Capacity Digital FT1 Facilities**

		<u>Special Access Line</u>		<u>Special Transport</u>	<u>Special Transport Termination</u>
		<u>NRC</u>	<u>Monthly Rate</u>	<u>Transport</u>	<u>Termination</u>
		(EU4JX,1CKJX)		(1LFSX)	(TRG)
(A)	Standard Arrangement				
	- 2 x 56 Kbps or 2 x 64 Kbps	\$450.00	\$121.69	\$6.00	\$20.00
	- 4 x 56 Kbps or 4 x 64 Kbps	450.00	129.12	7.00	30.00
	- 6 x 56 Kbps or 6 x 64 Kbps	450.00	136.56	8.00	40.00

		<u>Special Access Line</u>			<u>Special Transport</u>	<u>Special Transport Termination</u>
		<u>Monthly Rate</u>			<u>Transport</u>	<u>Termination</u>
		<u>One Year</u>	<u>Three Year</u>	<u>Five Year</u>	<u>Transport</u>	<u>Termination</u>
		(EU4KX,1CKKX)			(1LFSX)	(TRG)
(B)	FT1 Optional Payment Plan					
	- 2 x 56 Kbps or 2 x 64 Kbps	\$110.00	\$ 99.00	\$ 88.00	\$6.00	\$20.00
	- 4 x 56 Kbps or 4 x 64 Kbps	120.00	108.00	96.00	7.00	30.00
	- 6 x 56 Kbps or 6 x 64 Kbps	130.00	117.00	104.00	8.00	40.00

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5. **SPECIAL ACCESS** (Cont'd)

5.7 **Rates and Charges** (Cont'd)

5.7.9 **High Capacity Digital DS3 (44.736 Mbps) Facilities - Three System**

(A) Protected DS3-With Telephone Company Electronics

First Special Access Line

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
\$2,500.00	\$ 1,480.00	\$1,240.00	\$1,108.00	\$1,040.00

Protected DS3-Without Telephone Company Electronics

First Special Access Line

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
\$1,875.00	\$ 1,133.00	\$ 954.00	\$ 840.00	\$ 790.75

Protected DS3-With Telephone Company Electronics

Each Additional Special Access Line - Maximum of 2

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
\$1,000.00	\$ 1,110.00	\$ 930.00	\$ 831.00	\$ 780.00

Protected DS3-Without Telephone Company Electronics

Each Additional Special Access Line - Maximum of 2

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
\$ 750.00	\$ 849.75	\$ 715.50	\$ 630.00	\$ 593.00

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5. **SPECIAL ACCESS** (Cont'd)

5.7 **Rates and Charges** (Cont'd)

5.7.10 **High Capacity Digital DS3 (44.736 Mbps) Facilities - Unlimited System**

(A) Protected DS3-With Telephone Company Electronics

First Special Access Line

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
\$4,500.00	\$4,242.00	\$3,605.75	\$3,252.25	\$2,898.75

Protected DS3-Without Telephone Company Electronics

First Special Access Line

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
\$3,375.00	\$2,887.25	\$2,454.25	\$2,213.75	\$1,973.00

Protected DS3-With Telephone Company Electronics

Each Additional Special Access Line

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
\$1,000.00	\$ 450.00	\$ 396.25	\$ 365.00	\$ 341.00

Protected DS3-Without Telephone Company Electronics

Each Additional Special Access Line

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
\$ 750.00	\$ 437.00	\$ 390.75	\$ 332.75	\$ 314.50

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5. **SPECIAL ACCESS** (Cont'd)

5.7 **Rates and Charges** (Cont'd)

5.7.11 **High Capacity Digital DS3 (44.736 Mbps) Facilities - Individual System**

(A) **Protected DS3-With Telephone Company Electronics**

Each Special Access Line

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
\$1,000.00	\$ 1,200.00	\$1,000.00	\$ 890.00	\$ 805.00

Protected DS3-Without Telephone Company Electronics

Each Special Access Line

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
\$ 750.00	\$ 885.00	\$ 725.00	\$ 650.00	\$ 538.00

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5. **SPECIAL ACCESS** (Cont'd)

5.7 **Rates and Charges** (Cont'd)

5.7.12 **High Capacity Digital DS3 (44.736 Mbps) Facilities - Group System\***

(A) **Protected DS3 X 12 With Telephone Company Electronics\***

Each Special Access Line - Per Group of 12\*

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
\$7,000.00	\$8,450.00	\$7,000.00	\$5,300.00	\$4,500.00

**Protected DS3 X 12 Without Telephone Company Electronics\***

Each Special Access Line - Per Group of 12\*

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
\$5,250.00	\$6,337.50	\$5,250.00	\$3,975.00	\$3,375.00

\* Limited to those services so equipped and in service as of March 25, 1999.

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5. **SPECIAL ACCESS** (Cont'd)

5.7 **Rates and Charges** (Cont'd)

5.7.12 **High Capacity Digital DS3 (44.736 Mbps) Facilities - Group System\***(Cont'd)

(B) Protected DS3 X 24 With Telephone Company Electronics\*

Each Special Access Line - Per Group of 24\*

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
\$12,000.00	\$14,500.00	\$12,000.00	\$9,000.00	\$7,800.00

Protected DS3 X 24 With Telephone Company Electronics\*

Each Special Access Line - Per Group of 24\*

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
\$ 9,000.00	\$10,875.00	\$9,000.00	\$6,750.00	\$5,850.00

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5. **SPECIAL ACCESS** (Cont'd)

5.7 **Rates and Charges** (Cont'd)

5.7.13 **High Capacity Digital DS3 (44.736 Mbps) Facilities - Special Transport**

(A)	DS3 Special Transport Termination	<u>Monthly Rate</u>
	Individual, 3 System, Unlimited Transport Per DS3, Per Termination (TRG)	\$ 419.81
	12 Group System*Transport, Per Group of 12, Per Termination (TS31X)	2,500.00
	24 Group System*Transport, Per Group of 24, Per Termination (TS32X)	4,500.00
(B)	Special Transport Facility, Per Airline Mile	
	Individual, 3 System, Unlimited Transport Per DS3, Per Airline Mile (1LFSX)	41.95
	12 Group System*Transport, Per Group of 12, Per Airline Mile (1J51S)	215.00
	24 Group System*Transport, Per Group of 24, Per Airline Mile (1J52S)	300.00

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5. **SPECIAL ACCESS** (Cont'd)

5.7 **Rates and Charges** (Cont'd)

5.7.14 **High Capacity Digital DS3 (44.736 Mbps) Facilities**

**DS3 Multiplexer Cross Connect Arrangement**

	<u>Nonrecurring Charge</u>
Per Arrangement (CX911)	\$65.00

5.7.15 (Reserved for Future Use)

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5. **SPECIAL ACCESS** (Cont'd)

5.7 **Rates and Charges** (Cont'd)

5.7.16 **DS1 Term Volume Plan (TVP)**

	Nonrecurring	Monthly
	<u>Charge</u>	<u>Rate</u>
(A) <u>Special Access Line, per DS1 SAL</u>	\$450.00	
(1) One Year Term, Threshold Levels:		
2-60		\$210.00
61-120		200.00
121-240		190.00
241-500		180.00
501-1000		178.00
1001-3000		176.00
3001-6000		174.00
6001-11000		172.00
11001 and over		170.00
(2) Two Year Term, Threshold Levels:		
2-60		\$200.00
61-120		190.00
121-240		180.00
241-500		170.00
501-1000		168.00
1001-3000		166.00
3001-6000		164.00
6001-11000		162.00
11001 and over		160.00

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5. **SPECIAL ACCESS** (Cont'd)

5.7 **Rates and Charges** (Cont'd)

5.7.16 **DS1 Term Volume Plan (TVP)** (Cont'd)

	<u>Charge</u>	<u>Rate</u>
(A) <u>Special Access Line, per DS1 SAL</u> (Cont'd)	\$450.00	
(3) Three Year Term, Threshold Levels:		
2-60		\$190.00
61-120		180.00
121-240		170.00
241-500		160.00
501-1000		158.00
1001-3000		156.00
3001-6000		154.00
6001-11000		152.00
11001 and over		150.00
(4) Five Year Term, Threshold Levels:		
2-60		\$170.00
61-120		160.00
121-240		150.00
241-500		138.00
501-1000		136.00
1001-3000		134.00
3001-6000		132.00
6001-11000		130.00
11001 and over		128.00

5.7.17 **(Reserved for Future Use)**

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5. **SPECIAL ACCESS** (Cont'd)

5.8 **Miscellaneous Special Access Services**

5.8.1 (Reserved for Future Use)

5.8.2 (Reserved for Future Use)

5.8.3 (Reserved for Future Use)

5.8.4 (Reserved for Future Use)

5.8.5 **Clear Channel Capability (CCO)**

(A) Description of Service

An arrangement that allows the customer to transport 1.536 Mbps of information through a DS1 with no constraint on the quantity or sequence of one (mark) and zero (space) bits utilizing the Bipolar with Eight Zero Substitution (B8ZS) method of providing bit sequence independence. This arrangement is capable of transporting DS1 signals which utilize Superframe or Extended Superframe Format (ESF) as defined by the American National Standards Institute (ANSI) T1.107-1988 standard. The installation interval for Clear Channel Capability may exceed standard intervals where equipment in the central office is not readily available. The charges apply on a per SAL basis.

This arrangement requires the customer signal at the channel interface to conform to the B8ZS method of providing bit sequence independence, as described in ANSI T1.102-1987 and Section 6103 of the GTE Technical Interface Reference Manual.

(B) Rates

Nonrecurring Charge	\$90.00
Monthly Rate	24.00

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5. **SPECIAL ACCESS** (Cont'd)

5.9 (Reserved for Future Use)

5.10 **Special Access Cross Connect Rates and Charges**

	Monthly Rate
DSO	\$ 1.77
DS1, per DS1 Connection	4.53
DS3, per DS3 Connection	36.64

5.11 **Alternate Payment Arrangements for Tariffed Services:**

Customer      Service Payment Arrangement    Date

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**6. MISCELLANEOUS SERVICES**

**6.1 General**

Miscellaneous Services available to the customer include the following:

- (A) Additional Labor (i.e., Overtime Installation, Overtime Repair, Additional Installation Testing, Standby, Testing and Maintenance with Other Telephone Companies)
- (B) Maintenance of Service
- (C) Telecommunications Service Priority (TSP) System
- (D) Balloting and Allocation Process For Equal Access
- (E) Additional Testing
- (F) End User List
- (G) Billing Name and Address Service
- (H) (Reserved for Future Use)
- (I) International Blocking Service
- (J) Service Access Code 900 Blocking
- (K) Selective Class of Call Screening
- (L) Answer Supervision
- (M) (Reserved for Future Use)
- (N) (Reserved for Future Use)
- (O) Payphone-Specific Coding Digits

These services are described in detail as set forth in 6.2 through 6.17 following.

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**6. MISCELLANEOUS SERVICES (Cont'd)****6.2 Additional Labor**

Additional Labor is that labor requested by the customer on a given FIA and agreed to by the Telephone Company as set forth in (A) through (F) following. The Telephone Company will notify the customer that Additional Labor charges as set forth in (G) following will apply before any Additional Labor is undertaken. Additional Labor charges will also apply if the requirement for the Additional Labor is the fault of the customer or parties on whose behalf it acts.

**(A) Overtime Installation (ALH)**

Overtime installation is that Telephone Company installation effort outside the business day. Overtime rates will apply anytime outside the business day and all day Saturday. Premium time rates will apply all day Sunday and on all Telephone Company approved holidays. For applicable holidays, contact the Telephone Company.

**(B) Overtime Repair (ALH)**

Overtime repair is Telephone Company repair which could have been performed during the normal business day, but that is delayed at the specific request of the customer to a later time period which is outside the normal business day or to a weekend day or holiday. The request will result in the application of overtime rates anytime outside the business day and all day Saturday. Premium time rates will apply on Sunday and Telephone Company approved holidays. These rates, as set forth in Section 6.2 following, will only apply when there is a delay of repair at the request of the customer to the time periods stated above.

**(C) Additional Installation Testing (ALH)**

Additional installation testing is that testing performed by the Telephone Company at the time of installation which is in addition to normal pre-service and acceptance testing.

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**6. MISCELLANEOUS SERVICES (Cont'd)****6.2 Additional Labor (Cont'd)****(D) Standby (ALT)**

Standby includes all time in excess of one-half (1/2) hour during which Telephone Company personnel are available to make coordinated tests on a given FIA. The standby charge applies only when Telephone Company personnel must wait more than 30 minutes beyond a prearranged, mutually agreed appointment time. Standby charges will cease when testing begins, or when Telephone Company personnel are released from the standby requirement, or when testing is rescheduled for a later date or time. Charges will not be applicable if Telephone Company personnel cause the delay.

**(E) Testing and Maintenance with Other Telephone Companies (ALK)**

Additional testing, maintenance, or repair of facilities which connect to facilities of other telephone companies, which is in addition to normal effort required to test, maintain, or repair facilities provided solely by the Telephone Company.

**(F) Other Labor (ALK)**

Other labor is that additional labor not included in (A) through (E) preceding, and labor incurred to accommodate a specific customer request that involves only labor which is not covered by any other section of this Tariff.

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**6. MISCELLANEOUS SERVICES (Cont'd)**

**6.2 Additional Labor (Cont'd)**

(G) Charges for Additional Labor

		<u>First Half Hour or Fraction Thereof</u>	<u>Each Additional Half Hour or Fraction Thereof</u>
	<u>Labor Periods</u>		
(1)	Basic Time, Business Day, Per Technician	\$ 27.60	\$ 18.40
(2)	Overtime, Outside the Business Day, Per Technician*	100.00	75.00
(3)	Premium Time, Outside the Business Day, Per Technician*	150.00	125.00

\* A call out of a Telephone Company employee at a time not consecutive with the business day is subject to a minimum charge of four hours.

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6. **MISCELLANEOUS SERVICES** (Cont'd)

6.3 **Maintenance of Service Charge (MVV)**

- (A) When a customer reports trouble to the Telephone Company for clearance, the customer shall be responsible for payment of a Maintenance of Service Charge when Telephone Company personnel are dispatched to the customer's location and no trouble is found in the Telephone Company's facilities. Failure of Telephone Company personnel to find trouble in Telephone Company facilities will result in no charge if the trouble is actually in those facilities, but not discovered at the time.

In this case, or in (B) following, no credit allowance will be applicable for the interruption involved, unless the trouble is found in the Telephone Company's facilities.

- (B) The customer shall be responsible for payment of a Maintenance of Service Charge when the Telephone Company dispatches personnel to the customer's location and the trouble is in equipment or communications systems provided by other than the Telephone Company or in detariffed CPE provided by the Telephone Company.
- (C) The Maintenance of Service Charge time period will begin when Telephone Company personnel are dispatched. This will only include the actual time required to reach the customer's location and perform an investigation. The time period will end when the investigation is finished. The labor charge as set forth in 6.2 (G) preceding will apply to Maintenance of Service at the appropriate Basic, Overtime or Premium rate. These charges apply whether the trouble is in the equipment of communications systems provided by other than the Telephone Company, or in detariffed CPE provided by the Telephone Company.

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**6. MISCELLANEOUS SERVICES (Cont'd)****6.4 Telecommunications Service Priority (TSP) System****(A) Description of the Service**

The TSP System is a service that provides for the priority provisioning and/or restoration of National Security Emergency Preparedness (NSEP) telecommunications services. The TSP System applies only to NSEP services, includes both Switched and Special FIA and provides the Telephone Company with a guide to the sequence in which services are to be provisioned and/or restored.

All FIA that can be identified by a unique circuit identifier can be provisioned for NSEP service by the Telephone Company.

The rates and charges associated with a customer subscribing to the TSP System are as specified in Section 6.4(G).

**(B) Obtaining TSP System Service**

The Executive Office of the President through the TSP Program Office, is empowered with the authority to receive, evaluate and process requests for NSEP services. The TSP Program Office makes the priority level assignments and issues the TSP authorization code reflecting the priority assignment associated with a request. The customer provides the TSP authorization code, in addition to all the other details necessary to complete the order (ASR) to the Telephone Company to obtain TSP System service.

The TSP authorization code, assigned on a per ASR basis, consists of a 12-character field consisting of a nine-character control ID followed by a dash and a two-character field specifying the priority level assignment. Its structure is as follows:

TSPxxxxxn-yy

The "x"s represent a sequence of numbers unique to each TSP authorization code and the "n" is a one character alphanumeric check digit. The first "y" contains the provisioning priority level assignment and the second "y" contains the restoration priority level assignment.

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**6. MISCELLANEOUS SERVICES (Cont'd)****6.4 Telecommunications Service Priority (TSP) System (Cont'd)****(C) Provisioning Priority**

If the customer requires service within a shorter time interval than the Telephone Company can provide, and the requested service qualifies for NSEP, the customer may elect to invoke NSEP Treatment and obtain the appropriate provisioning priority assignment from the TSP Program Office. Acceptable assignment code values are: E, 1, 2, 3, 4, 5 or 0.

The assignment of the value "E" denotes Emergency Provisioning and implies the service has the most critical provisioning requirements and the Telephone Company will respond accordingly. The Telephone Company will take immediate action to provide the requested service at the earliest possible date. Rates and charges associated with "E" provisioning are as specified in Section 6.4(G)(2)(a).

The assignment values of 1, 2, 3, 4 and 5 are treated as essential service priorities and the Company will adjust its available resources to meet the customer's requested due date. Rates and charges associated with invoking this priority treatment are specified in Section 6.4(G)(2)(b). The value "0" implies no provisioning priority.

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**6. MISCELLANEOUS SERVICES (Cont'd)****6.4 Telecommunications Service Priority (TSP) System (Cont'd)****(D) Restoration Priority**

A TSP authorization code for restoration priority classifies the service as being among the nation's most important NSEP telecommunications services. The Company will restore these services before services without restoration priority assignments in the order of priority assignments. Acceptable values are: 1, 2, 3, 4, 5 or 0 with the value "1" being the highest priority.

When the Company recognizes a TSP as being out of service, unusable or receives a trouble report, available resources will be dispatched to restore the service as quickly as practicable. A priority value of 1, 2 or 3 requires dispatch outside normal business hours if necessary to restore the service. A priority value of 4 or 5 only requires dispatch outside of normal business hours if the next business day is more than 24 hours away. If the value "0" has been assigned, then no restoration priority is applicable to this service.

The minimum period of service is one month.

**(E) Obligations of the Customer**

- (1) In all instances, the customer is responsible for obtaining the appropriate TSP authorization code and providing that code to the Telephone Company.
- (2) The TSP System service customer must also be the customer for the FIA with which TSP service is associated. Only the customer or its authorized agent as indicated in a letter of agency on file with the Telephone Company is allowed to order TSP System service.
- (3) All points of a multipoint service configuration must have the same restoration priority assignment and must satisfy the requirements of that assignment.

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6. MISCELLANEOUS SERVICES (Cont'd)

6.4 Telecommunications Service Priority (TSP) System (Cont'd)

(E) Obligations of the Customer (Cont'd)

- (4) In obtaining TSP System service, the customer consents to the release of certain information by the Telephone Company to the federal government in order to maintain and administer the TSP System. Such information includes: the customer's name, telephone number and mailing address, the TSP authorization code and the circuit or service ID number associated with the NSEP service.
- (5) The Telephone Company will attempt to notify the customer of expected charges. The customer when invoking NSEP treatment, recognizes that quoting charges and obtaining permission beforehand may not be practicable and may cause unnecessary delays and, as a result, grants the Telephone Company the right to quote and bill charges after provisioning of the service.
- (6) During certain emergencies, the customer may request TSP assignments verbally and the Telephone Company will accept such verbal notification. The customer must submit a written order (ASR) to the Telephone Company within two working days following the verbal request. If the written order (ASR) is not received within two working days, all applicable rates and charges accumulated to date to provision TSP System service, become immediately due and payable and the requested TSP priority is revoked.
- (7) The customer must request and justify revalidation of all priority level assignments at least every three years.

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**6. MISCELLANEOUS SERVICES (Cont'd)**

**6.4 Telecommunications Service Priority (TSP) System (Cont'd)**

(E) Obligations of the Customer (Cont'd)

- (8) Additionally, the NCS Manual 3-1-1, "Telecommunications Service Priority (TSP) System for National Security Emergency Preparedness (NSEP) Service User Manual", dated July 9, 1990, prescribes specific conditions which warrant NSEP Treatment and related procedures.

(F) Obligations of the Telephone Company

- (1) The Telephone Company will allocate resources to ensure best efforts to provide NSEP services by the time required.
- (2) The Telephone Company will work TSP System services in the order of their priority level assignments. The priority sequence is as follows:
- Restore NSEP services assigned restoration priority 1
  - Provision Emergency (E) NSEP services
  - Restore NSEP services assigned restoration priority 2, 3, 4 or 5
  - Provision NSEP services assigned provisioning priority 1, 2, 3, 4 or 5
- (3) The Telephone Company will work cooperatively with other providers of NSEP service when only a portion is provided by the Telephone Company to ensure "end-to-end" service.
- (4) Additionally, TSP System service will be provided in accordance with the guidelines set forth in NCS Handbook 3-1-2, "Telecommunications Service Priority (TSP) System for National Security Emergency Preparedness (NSEP) Service Vendor Handbook" dated July 9, 1990.

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**6. MISCELLANEOUS SERVICES (Cont'd)****6.4 Telecommunications Service Priority (TSP) System (Cont'd)****(G) Rates and Charges**

The following rates and charges are in addition to all other rates and charges that may apply for other services offered under this tariff which operate in conjunction with the TSP System.

**(1) Establishment of TSP System Service**

The establishment of TSP System service charge is a nonrecurring charge (NRC) specified in Section 6.4(G)(4) which applies when a FIA is ordered with provisioning and/or restoration priority. If both are ordered at the same time, only one NRC is applicable. The NRC is also applicable for orders changing priority levels.

**(2) Provisioning Priority**

There are two basic levels of priority provisioning, Emergency (provisioning priority "E") and Essential (provisioning priority 1, 2, 3, 4 or 5).

**(a) Emergency Provisioning**

The Telephone Company will take immediate action to provide the requested service at the earliest possible date. The rates and charges will apply as set forth in Section 10, Special Construction.

**(b) Essential Provisioning**

The Telephone Company will adjust its available resources to meet the customer's requested due date. The rates and charges will apply as set forth in Section 3.2.2(E).

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**6. MISCELLANEOUS SERVICES (Cont'd)**

**6.4 Telecommunications Service Priority (TSP) System (Cont'd)**

(G) Rates and Charges

(3) Restoration Priority

Restoration Priority is a monthly rate per circuit for the ongoing administration and maintenance of the TSP System. This monthly rate only applies when a restoration priority code (1, 2, 3, 4 or 5) is specified in position 12 of the authorization code. The rates are specified in Section 6.4(G)(5).

(4) Establishment of TSP System Service Charge

Nonrecurring Charge, per Circuit \$ 14.50

(5) Restoration Priority Rates

Monthly Rate, per Circuit .....4.90

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6. **MISCELLANEOUS SERVICES (Cont'd)**

6.5 **Balloting and Allocation Process For Equal Access**

The Balloting and Allocation Process is an arrangement whereby:

- (1) An end user may select or be allocated to an interexchange carrier (IC) to place intrastate, interMSA MTS/MTS-type calls without the 101XXXX access code. This IC is referred to as the end user's interMSA primary interexchange carrier (PIC).
- (2) An end user may select an IC or local exchange carrier (LEC) to place intrastate, intraMSA MTS/MTS-type calls without the 101XXXX access code. This IC or LEC is referred to as the end user's intraMSA primary interexchange carrier (IPIC).

Balloting and allocation also applies to agents of Public or Semipublic Pay Telephone service whereby the agent may select or be allocated to an IC to place intrastate interMSA calls without dialing the 101XXXX access code.

In the event that only one IC orders FGD or BSA-D to provide interMSA service or no IC or LEC orders FGD or BSA-D to provide intraMSA service from an end office in accordance with 3.1.1(D), the Balloting and Allocation Process for the PIC or IPIC set forth below will not apply.

On the effective date(s) of interMSA equal access (i.e., introduction of FGD or BSA-D in a serving end office), end users or agents who have not designated or been allocated to an IC will continue with the same IC service arrangement as existed prior to office conversion until the allocation process described in (B) occurs.

On the effective date(s) of intraMSA equal access (i.e., introduction of FGD or BSA-D in a serving end office), end users who have not designated an IC or LEC will continue with the same IC or LEC service arrangement as existed prior to office conversion.

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**6. MISCELLANEOUS SERVICES (Cont'd)****6.5 Balloting and Allocation Process For Equal Access (Cont'd)****(A) End User and Agent Notification and Equal Access Balloting Process****(1) InterMSA Equal Access**

End users and agents will be notified of the availability of equal access by means of an equal access ballot. ICs intending to participate in the Balloting Process for each serving end office must inform the Telephone Company in writing no later than 120 days prior to the end office conversion to FGD or BSA-D. The notification from ICs wishing to participate in pay telephone balloting must specify if the carrier will handle 0+ traffic only, both 0+ and 1+ traffic, or 0+ with 1+ traffic being handled by a secondary service provider. When 1+ coin traffic is handled by a secondary service provider, the participating IC must identify the secondary service provider. The initial ballot, the first of two ballots the end user and agent may receive, listing all ICs participating in the balloting process, and an explanation of equal access will be mailed to the end user and agent approximately 90 days prior to the end office conversion to FGD or BSA-D. IC names appearing on the ballot will be listed in a random fashion by end office to ensure that no IC will always appear first on the ballot. The IC listed on a pay telephone ballot will be the 0+ carrier.

Using the initial ballot, which end users and agents will be requested to return within 45 days after receipt, the end user or agent may designate an IC for all of its lines or may choose a different PIC for each of its lines. Where an end user has a multi-line hunt group and wants to designate several PICs for this hunt group, special arrangements may be made by contacting the Telephone Company. Customers may designate that they do not want an interMSA primary IC by notifying the Telephone Company. This choice is considered a valid selection and the nonrecurring charge as set forth in 6.5(L) will apply to any subsequent change made after the conversion date.

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**6. MISCELLANEOUS SERVICES (Cont'd)****6.5 Balloting and Allocation Process For Equal Access (Cont'd)****(A) End User and Agent Notification and Equal Access Balloting Process (Cont'd)****(1) InterMSA Equal Access (Cont'd)**

An agent may designate an IC for the 0+ traffic from a pay telephone. The 1+ traffic from the pay telephone may be handled by the selected 0+ carrier if the carrier handles 1+ traffic, by a secondary service provider designated by the 0+ carrier, or by the default carrier if the 0+ carrier has made no arrangements with the Telephone Company to receive 1+ pay telephone traffic.

A second ballot will be sent to an end user or agent who has not designated an IC, either by return of the initial ballot or by appearing on an IC Customer list. The second ballot will be sent 30 days after conversion of the end office. If the end user or agent does not respond to the second ballot by the requested date, then that end user or agent will be assigned to the allocated IC shown on the second ballot.

**(2) IntraMSA Equal Access**

When intraMSA and interMSA equal access is made available concurrently, end users will be notified of the availability of equal access by means of an equal access ballot. ICs and LECs intending to participate in the Balloting Process for each serving end office must inform the Telephone Company in writing no later than 120 days prior to the end office conversion to FGD or BSA-D. The initial ballot, the first of two ballots the end user may receive, listing all ICs and LECs participating in the balloting process, and an explanation of equal access will be mailed to the end user approximately 90 days prior to the end office conversion to FGD or BSA-D. IC and LEC names appearing on the ballot will be listed in a random fashion by end office to ensure that no IC or LEC will always appear first on the ballot.

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**6. MISCELLANEOUS SERVICES (Cont'd)****6.5 Balloting and Allocation Process For Equal Access (Cont'd)****(A) End User and Agent Notification and Equal Access Balloting Process (Cont'd)****(2) IntraMSA Equal Access (Cont'd)**

Using the initial ballot, which end users will be requested to return within 45 days after receipt, the end user may designate an IC or LEC for all of its lines or may choose a different IPIC for each of its lines. Where an end user has a multi-line hunt group and wants to designate several IPICs for this hunt group, special arrangements may be made by contacting the Telephone Company. Customers may designate that they do not want an intraMSA primary IC by notifying the Telephone Company. This choice is considered a valid selection and the nonrecurring charge as set forth in 6.5(L) will apply to any subsequent change made after the conversion date.

A second ballot will be sent to an end user who has not designated an IC or LEC, either by return of the initial ballot or by appearing on an IC or LEC Customer list. The second ballot will be sent 30 days after conversion of the end office. If the end user does not respond to the second ballot by the requested date, then that end user will be assigned to the Telephone Company.

When intraMSA equal access is made available in an end office at some time after the end office has converted to interMSA equal access, the Balloting process for the intraMSA IPIC will not apply.

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**6. MISCELLANEOUS SERVICES (Cont'd)****6.5 Balloting and Allocation Process For Equal Access (Cont'd)****(B) Allocation Process**

An IC must notify the Telephone Company of its intent to participate in the allocation process 52 days prior to the end office conversion to equal access. The IC must also identify whether it will participate in the allocation of business lines, residence lines, or Public/Semipublic Pay Telephones or any combination.

The Telephone Company will tabulate the initial ballots received from the end users and agents described in 6.5(A) and the IC Customer lists described in 6.5(C). The percentage of end users and agents who have selected a participating IC will be determined from these ballots and lists. These percentages will be used for the allocation of end users and agents who did not respond to the initial ballot or appear on an IC list. The percentages used for allocation will be determined approximately five days after end office conversion. A second ballot, indicated in 6.5(A), will be sent to end users and agents who have been allocated to an IC.

Separate allocation processes will be used for residence, business and Public and Semipublic Pay Telephone lines. The number of end users and agents designating an IC by returning the initial ballot or appearing on an IC end user and/or agent list will be totaled. This total will be utilized to compute the percentages used for allocation of residence and business Customers and Public/Semipublic Pay Telephone Customers.

If an IC participating in the ballot process notifies the Telephone Company that it does not wish to participate in the allocation process, the percentage of Customers allocable to that nonparticipating IC will be allocated to the remaining ICs.

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6. **MISCELLANEOUS SERVICES (Cont'd)**

6.5 **Balloting and Allocation Process For Equal Access (Cont'd)**

(C) Interexchange Carrier Customer Lists

The Telephone Company will accept IC and LEC Customer lists identifying end users and agents who have made individual arrangements with the IC or LEC to designate the IC or LEC as their primary long distance carrier. The list should be in the form of magnetic tape or paper printout. IC and LEC lists may continue to be received after the initial ballot deadline. All IC lists must be submitted to the Telephone Company no later than 20 days prior to the end office conversion to be included in the allocation process. If end user and agent ballots are received by the IC or LEC, the end user and agent will be included in the IC or LEC Customer list. The IC or LEC must retain the actual ballots for inspection by the Telephone Company for a period of one year after end office conversion.

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**6. MISCELLANEOUS SERVICES (Cont'd)****6.5 Balloting and Allocation Process For Equal Access (Cont'd)****(D) End User Choice Discrepancy**

An IC or LEC is required to certify at the time it submits end user and/or agent lists to the Telephone Company that it has on file, or has instituted steps designed to obtain signed letters of agency or confirmations of choice from the end user or agent. The IC or LEC is not required to submit letters of agency when submitting end user or agent lists to the Telephone Company, but should maintain the confirmations or letters on file for use in dispute resolution. The IC or LEC should request written confirmation of choice from its Customers no later than the date of submission of its first bill to the Customer.

When an end user or agent indicates more than one PIC or IPIC per line or returns an illegible ballot, the Telephone Company will contact the end user or agent for clarification.

When the Telephone Company identifies a conflict between a ballot and an IC or LEC list, or between lists submitted by two or more ICs and/or LECs, the Telephone Company will notify, within 10 days, all affected ICs and LECs via a conflict report. Those ICs and LECs not involved in any conflicts will receive a zero conflict report from the Telephone Company.

When an end user or agent returns a ballot to the Telephone Company and also appears on a conflicting IC or LEC Customer list, the ballot takes precedence. If an end user or agent appears on two or more IC or LEC Customer lists, the end user or agent will be allocated along with the nonrespondents to the initial ballot. A letter sent with the second ballot will inform the end user or agent that there exists a conflict between two or more ICs and/or LECs and a selection must be made by the deadline of the second ballot, unless the allocated IC or LEC indicated is the end user's or agent's choice.

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6. **MISCELLANEOUS SERVICES** (Cont'd)

6.5 **Balloting and Allocation Process For Equal Access** (Cont'd)

(E) Reserved for Future Use

(T)

(D)

(D)

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6. **MISCELLANEOUS SERVICES** (Cont'd)

6.5 **Balloting and Allocation Process For Equal Access** (Cont'd)

(E) Reserved for Future Use (Cont'd)

(T)

(D)

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6. **MISCELLANEOUS SERVICES** (Cont'd)

6.5 **Balloting and Allocation Process For Equal Access** (Cont'd)

(E) Reserved for Future Use

(T)

(D)

(D)

**6. MISCELLANEOUS SERVICES (Cont'd)****6.5 Balloting and Allocation Process For Equal Access (Cont'd)****(F) PIC and IPIC Charge Application**

Initial end user, end user agent and a local service provider that resells services (herein referred to as reseller), selection of a PIC by ballot or appearing on an IC or, for intraMSA service, a LEC list will not incur a charge. A change of PIC selection prior to the end office conversion to interMSA equal access will not incur a charge. A change of IPIC selection prior to the end office conversion to intraMSA equal access will not incur a charge. Notification of a change in a PIC or IPIC may be coordinated by the end user, end user agent or reseller with either the IC or LEC selected or with the Telephone Company, if it is not the selected LEC. Within six months after conversion to interMSA equal access, an end user, end user agent or reseller allocated to an IC may elect to change to another IC at no charge, on a one-time basis. Within six months after conversion to intraMSA equal access, an end user or reseller may elect to change to another IC or LEC at no charge, on a one time basis. After the six month period has elapsed, a nonrecurring charge in 6.5(L) will apply to change the PIC or IPIC. After conversion to equal access, end users, end user agents and resellers who select an IC or LEC by returning the initial ballot will be charged for each change made in the selection of a Primary IC.

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**6. MISCELLANEOUS SERVICES (Cont'd)****6.5 Balloting and Allocation Process For Equal Access (Cont'd)****(F) PIC and IPIC Charge Application (Cont'd)**

In end offices converted to Equal Access new end users, end user agents and resellers of Pay Telephones and multi-party end users who upgrade to individual lines must presubscribe to the PIC and/or IPIC of their choice at the time an order is placed for service. The IPIC may be an IC or LEC (the Telephone Company or another LEC). Upon the end user, end user agent or reseller's selection of the PIC and/or IPIC, at the time of placing an order, a confirmation notice will be sent identifying the IC selected as the PIC and/or the IC or LEC selected as the IPIC. From the date of the confirmation notice, he will have 90 days to change his presubscription selection without a charge, on a one time basis. If a PIC and/or IPIC is not chosen at the time the order for service is submitted, the end user, end user agent or reseller will be sent a confirmation notice which contains a list of ICs with FGD or BSA-D providing interMSA service and/or a list of ICs and LECs providing intraMSA service, and will be informed that they have 90 days to contact the IC and/or LEC of their choice or the Telephone Company to apply for the PIC or IPIC arrangement. If notice is received by the Telephone Company within 90 days of the in-service date for local service or upgrade, no charge will be billed to the end user, end user agent or reseller. If notice is received after 90 days, the end user, end user agent or reseller will be billed a nonrecurring charge for each PIC or IPIC as in 6.5(L). Until the end user, end user agent or reseller receives service from the selected carrier, he may access the carrier of his choice by dialing the appropriate 101XXXX carrier identification code.

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**6. MISCELLANEOUS SERVICES (Cont'd)****6.5 Balloting and Allocation Process For Equal Access (Cont'd)****(F) PIC and IPIC Charge Application (Cont'd)**

The Telephone Company will make post conversion changes in the end user end user agent or reseller's PIC or IPIC assignment pursuant to an IC or LEC provided list of Customers, accepted by the Telephone Company under conditions in (C) and (D). Post conversion changes in a PIC assigned to a Pay Telephone will be made under the conditions set forth in 6.5(E). Should an end user, end user agent or reseller dispute authorization of the change within 90 days of the PIC or IPIC assignment, and if the carrier cannot produce a letter of agency or confirmation from the end user, end user agent or reseller, the Telephone Company will place the end user on the previous carrier network where possible and the carrier will be billed according to the following options:

- (1) If the IC or LEC has previously submitted a letter requesting the Telephone Company to settle end user disputes without investigation, the carrier will be charged two PIC or IPIC change charges, in 6.5(L). One PIC or IPIC change charge is for the change to the disputed carrier and one is for placing the end user on his previous carrier network or the carrier network of his choice. By virtue of the carrier's letter requesting no investigation, the Telephone Company will perform no investigation and will not accept nor request at a later date any letter of authorization regarding an end user's disputed PIC or IPIC assignment. This option does not apply to Pay Telephones nor Coinless telephone lines. This option also does not relieve the IC or LEC of the conditions set forth in (C) and (D) preceding.

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**6. MISCELLANEOUS SERVICES (Cont'd)**

**6.5 Balloting and Allocation Process For Equal Access (Cont'd)**

(F) PIC and IPIC Charge Application (Cont'd)

- (2) If the IC or LEC does request in writing that end user PIC or IPIC disputes be resolved with investigation as in (1) preceding, the carrier will be billed one Unauthorized PIC or IPIC charge, in 6.5(M), for the change to the disputed carrier and one PIC or IPIC change charge, in 6.5(L), for placing the end user on the carrier network of his choice.

If, under (2) preceding, the carrier produces the letter of agency or confirmation of choice within 30 days of the Telephone Company request, the end user, end user agent or reseller will be billed two PIC or IPIC charges in 6.5(L) in lieu of charges to the carrier. Charges are only applicable if a change in an end user, end user agent or reseller's carrier selection has actually been implemented in the switch.

(G) (Reserved for Future Use)

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**6. MISCELLANEOUS SERVICES (Cont'd)****6.5 Balloting and Allocation Process For Equal Access (Cont'd)****(H) Cancellation of a Carrier Participation**

If an IC or LEC cancels all of its FGD or BSA-D service in the converting end office prior to the conversion date or discontinues all of its FGD or BSA-D service within two years after the introduction of FGD or BSA-D in the converting end office, the carrier is obligated to do the following:

- (1) Notify the Telephone Company of the cancellation of their FGD or BSA-D service, and
- (2) Contact in writing all end users, end user agents and resellers who have selected, or been allocated to, the canceling carrier as their PIC or IPIC, inform these end users, end user agents and resellers of the cancellation, request the end users, end user agents and resellers to select a new PIC or IPIC, and state that the canceling carrier will pay the nonrecurring charge as set forth in 6.5(L).

The Telephone Company will bill the canceling IC or LEC for a period of two years from the discontinuance of FGD or BSA-D service, the nonrecurring charge as set forth in 6.5(L) for each end user, end user agent and reseller this carrier has currently designated to it. Such charge will not apply to the canceling carrier where the canceling IC or LEC transfers or assigns its FGD or BSA-D services and the associated 101XXXX code to another carrier in such manner that the Telephone Company does not change end user, end user agent or reseller records or if another carrier elects to pay nonrecurring charge on behalf of the canceling IC or LEC.

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**6. MISCELLANEOUS SERVICES (Cont'd)**

**6.5 Balloting and Allocation Process For Equal Access (Cont'd)**

(I) Liability of the Telephone Company

If through the fault of the Telephone Company, the end user, end user agent or reseller is not subscribed to its chosen PIC or IPIC, the nonrecurring charges in 6.5(L) and 6.5(M) do not apply to reassign the end user, end user agent or reseller to his chosen PIC or IPIC.

(J) (Reserved for Future Use)

(K) Carrier Desired Due Date (ICDDD) for PIC or IPIC Installation

An IC or LEC may request a desired due date for PIC or IPIC installation for a specific, single end user, end user agent or reseller acting on behalf of an end user post equal access conversion. This ICDDD is a mutually agreed upon negotiated due date, determined to be between 3 and 45 business days from the date of receipt of the order. The carrier must coordinate the ICDDD with the Telephone Company prior to sending in the first order.

The ICDDD does not apply to routine lists provided by the carrier, as set forth in 6.5(C) and (D). The Nonrecurring Charge for PIC or IPIC as set forth in 6.5(L), applies to each line converted to the carrier requesting ICDDD. This charge will be billed to the carrier's end user Customer.

(L) Nonrecurring Charge for Primary InterMSA Carrier (PIC) or Primary IntraMSA Carrier (IPIC)

The nonrecurring charge for PIC or IPIC is as follows:

	Nonrecurring Charge	GSEC
Per Telephone Company Local Service Line or Trunk	\$ 3.86	NAPS (PIC) NAAPS (IPIC)

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6. **MISCELLANEOUS SERVICES (Cont'd)**

6.5 **Balloting and Allocation Process For Equal Access (Cont'd)**

(M) Nonrecurring Charges for Unauthorized Primary InterMSA or Primary IntraMSA Carrier Changes

The nonrecurring charges for Unauthorized PIC or IPIC changes are as follows:

	Nonrecurring	
	Charge	GSEC
(1) Per Telephone Company Local Business or Residence Service	NEPSUBR	(PIC)
Line or Trunk	\$14.04	REBUX

(D)  
(D)

(N) IC CIC Consolidation

IC requests to consolidate multiple CICs (Carrier Identification Codes) will be subject to an IC CIC Consolidation Charge. This charge is only assessed when all lines or trunks associated with the former CIC(s) are changed on a one-time realignment basis within the Telephone Company's databases at a nationwide level to a single existing CIC. Requests for an IC CIC Consolidation must be provided to the Telephone Company in writing, but no ASR charge is applicable for this request. The rate for this service is provided in 6.5(O).

The IC CIC Consolidation charge does not apply to normal PIC change activity, whereby carrier selection is changed and no consolidation of CICs occurs.

The Telephone Company will negotiate a due date for an IC CIC Consolidation with the IC. It is the sole responsibility of the IC to notify affected end users of the change.

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**6. MISCELLANEOUS SERVICES (Cont'd)**

**6.5 Balloting and Allocation Process For Equal Access (Cont'd)**

(N) IC CIC Consolidation (Cont'd)

If an IC elects to change a CIC due to surrendering a CIC to the North American Numbering Plan Administrator for reassignment, the IC CIC Consolidation Charge will be waived. The waiver is applied only when the IC surrenders the CIC on a nationwide basis. Additionally, the CIC must be relinquished within ninety (90) days from the completed conversion date. Confirmation of relinquished code(s) must be in writing and come from the NANP Administrator.

(O) Nonrecurring Charge for IC CIC Consolidation (NRBCC)

Nonrecurring  
Charge

IC CIC Consolidation Charge, per line or trunk	\$1.30
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Note: This charge is billed to an IC who requests customer CIC changes in order to consolidate multiple CICs provided that all lines or trunks associated with the former CIC(s) are changed at the same time to a single existing CIC.

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**6. MISCELLANEOUS SERVICES (Cont'd)**

**6.6 Additional Testing**

The Telephone Company will perform acceptance testing as specified in 4.2.7 and 5.1.5 preceding to insure that FIA ordered by the customer are functioning properly, prior to turning over such FIA to the customer. In addition, the Telephone Company will perform ongoing tests as specified in 4.2.1 and 4.2.2 preceding to assure the continued satisfactory performance of Switched Access Services ordered by the customer.

Testing offered under this section of the tariff is in addition to those tests described above and will be provided, when requested by the customer, at an additional charge.

Testing is provided by Telephone Company personnel at Telephone Company locations. However, provisions are made in 6.6(A)(5) and 6.6(B)(2) following, to allow a customer to request Telephone Company personnel to perform testing at the customer designated location or the end user premises.

Additional testing is provided on a scheduled or nonscheduled basis. Scheduled testing shall be performed on a predetermined time basis to allow for cost efficient utilization of Telephone Company and customer resources. Scheduled testing should be based on a one year period. Nonscheduled tests are performed by the Telephone Company on a request-by-request basis, not in conjunction with any fixed schedule.

The offering of testing under this section of the tariff is made subject to the availability of the necessary qualified personnel and test equipment at the various test locations mentioned in (A), (B), and (C) following.

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**6. MISCELLANEOUS SERVICES (Cont'd)**

**6.6 Additional Testing (Cont'd)**

**(A) Switched Access Testing**

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

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

**(1) Additional Cooperative Acceptance Testing (UBCXT,UBCOT,UBCPT)**

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

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

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

Automatic Scheduled Testing (AST) of FGB, FGC, FGD, BSA-B, BSA-C, BSA-D and SAC Access Service, is provided, as specified in 4.2.1 and 4.2.2, where the customer provides remote office test lines and 105 test lines with associated responders or their functional equivalent. AST charges will apply when such testing is requested on a more frequent basis than is provided for in accordance with the Telephone Company's Central Office Maintenance Planning System (COMPS). The customer may specify a more frequent schedule of tests at least sixty days prior to the start of the prescribed schedule. Trunks from a Telephone Company digital switch, to a customer digital switch, utilizing digital facilities, are excluded from mandatory routine testing. The rates, as set forth in 6.6(C)(1), will apply to additional AST.

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

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**6. MISCELLANEOUS SERVICES (Cont'd)****6.6 Additional Testing (Cont'd)****(A) Switched Access Testing (Cont'd)****(3) Additional Cooperative Scheduled Testing (UBSXT,UBSXD)**

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

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

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

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

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

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**6. MISCELLANEOUS SERVICES (Cont'd)****6.6 Additional Testing (Cont'd)****(A) Switched Access Testing (Cont'd)****(5) Nonscheduled Testing**

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

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

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**6. MISCELLANEOUS SERVICES (Cont'd)****6.6 Additional Testing (Cont'd)****(A) Switched Access Testing (Cont'd)****(5) Nonscheduled Testing (Cont'd)**

Nonscheduled Tests may consist of any tests which the customer may require. The rates as set forth in 6.6(C)(1) following will apply to Nonscheduled Automatic Testing. The labor charges as set forth in 6.2(G) preceding will apply to Nonscheduled Cooperative and Manual FIA Testing at the appropriate Basic, Overtime, or Premium rate.

If nonscheduled tests are required and trouble is found in Telephone Company facilities, charges for testing the Telephone Company facilities will not apply. If, however, trouble is found in the customer equipment, charges as set forth in 6.6(C)(1) following and labor charges as set forth in 6.2(G) preceding are applicable.

**(6) Obligations of the Customer**

- (a) The customer shall provide the Remote Office Test Line priming data to the Telephone Company, as appropriate, to support AST as set forth in 6.6(A)(2) preceding or NST as set forth in 6.6(A)(5) preceding.
- (b) The customer shall make the facilities to be tested available to the Telephone Company at times mutually agreed upon.

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6. **MISCELLANEOUS SERVICES (Cont'd)**

6.6 **Additional Testing (Cont'd)**

(B) **Special Access Testing**

The Telephone Company will, at the request of a customer, provide assistance in performing specific tests requested by the customer, however, the Telephone Company will only perform maintenance testing for its facilities within the MSA.

(1) **Additional Cooperative Acceptance Testing (SNTXT, SNTOT, SNTPT)**

When a customer provides a technician at its customer designated location or at the end user premises, with suitable test equipment to perform the required tests, the Telephone Company will provide a technician at its office for the purpose of conducting Additional Cooperative Acceptance Testing (ACAT). The labor charges as set forth in 6.2(G) preceding will apply to ACAT at the appropriate Basic, Overtime, or Premium rate.

Additional Cooperative Acceptance Testing charges will apply when the customer requests tests which are not required to meet the transmission performance parameters. (T)

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**6. MISCELLANEOUS SERVICES (Cont'd)****6.6 Additional Testing (Cont'd)****(B) Special Access Testing (Cont'd)****(2) Nonscheduled Testing (SNOXT, SNOOT, SNOPT)**

When a customer provides a technician at its customer designated location or at the end user premises, with suitable test equipment to perform the required tests, the Telephone Company will provide a technician at its office (cooperative testing) for the purpose of conducting Nonscheduled Testing (NST). Nonscheduled testing may consist of any test (e.g., loss, noise, slope, envelope delay, etc.) which the customer may request. If such testing indicates trouble in Telephone Company facilities, then the customer will not be charged. NST charges will apply if the trouble is in the facilities of the customer. At the customer's request, the Telephone Company will provide a technician at the customer designated location or at the end user premises (manual testing). The labor charges as set forth in 6.2(G) preceding will apply to Nonscheduled Testing at the appropriate Basic, Overtime, or Premium rate.

**(3) Obligation of the Customer**

When the customer subscribes to Testing as set forth in this section, the customer shall make the facilities to be tested available to the Telephone Company at times mutually agreed upon.

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**6. MISCELLANEOUS SERVICES (Cont'd)**

**6.6 Additional Testing (Cont'd)**

(C) Rates and Charges

Per Month

- (1) Automatic Scheduled Testing (UBGXT)
  - Basic Offering to First Point of Switching, Per Transmission Path ..... \$ .45
- (2) Additional Cooperative Scheduled Testing
  - (a) Basic Offering to First Point of Switching, Per Transmission Path (UBSXT) ..... 1.48
  - (b) Gain-Slope-To First Point of Switching, Per Transmission Path (UBSXD) ..... .63
- (3) Additional Manual Scheduled Testing
  - (a) Basic Offering to First Point of Switching, Per Transmission Path (UBMXT) ..... 2.97
  - (b) Gain-Slope-To First Point of Switching, Per Transmission Path (UBMXD) ..... 1.26

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**6. MISCELLANEOUS SERVICES (Cont'd)****6.7 (Reserved for Future Use)****6.8 End User/Agent Lists****(A) Presubscription List****(1) InterMSA Equal Access**

Prior to conversion to equal access (i.e., introduction of FGD or BSA-D in an end office switch) an IC may request a list of the Telephone Company's end users and agents of record served from that end office switch. The Presubscription List will be provided as follows:

(a) The Telephone Company will provide a list from its customer data base. The list may be provided on magnetic tape, electronic transmission or paper printout, at the option of the IC, at rates provided in 6.8.1(A). Foreign listings, PBX stations, CU centrex stations and numbers not in service will not be provided.

(1) The Initial List will be provided to the IC no later than 30 days after receipt of the order and payment by the IC of charges in 6.8.1(A). The nonrecurring charge for the Initial List applies per order. A single order may contain all end offices having the same equal access conversion date. The telephone number will not be provided if an end user or agent has a nonpublished number.

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**6. MISCELLANEOUS SERVICES (Cont'd)**

**6.8 End User/Agent Lists (Cont'd)**

(A) Presubscription List

(1) InterMSA Equal Access (Cont'd)

(a) (Cont'd)

(2) The Account Activity List, which includes a listing of all changes to the customer data base, since the Initial List was produced, will be provided on a cyclic basis. The Account Activity List will only include information for those end users and agents that are presubscribed to the IC (including end users and agents with nonpublished numbers) for the sole purpose of updating the IC's customer account information. There is no charge for this list.

(b) The IC agrees to use the Initial and Account Activity Lists for the sole purpose of contacting potential customers/agents, or existing customers/agents, regarding interexchange telecommunications services available through equal access to be obtained from the Telephone Company or for the purpose of updating IC customer/agent account information. The IC agrees not to sell, or reproduce in any manner, in whole or in part, the lists or permit such to be done.

(c) The IC shall indemnify, protect and save harmless the Telephone Company from and against any and all loss, liability, damages and expense arising out of any demand, claim, suit or judgment for damages which may arise out of the Telephone Company's supplying of listing information, services or records.

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6. **MISCELLANEOUS SERVICES (Cont'd)**

6.8 **End User/Agent Lists (Cont'd)**

(A) Presubscription List

(1) InterMSA Equal Access (Cont'd)

- (d) The Telephone Company and the IC agree that the mutual objective of the parties is to conduct their respective businesses to avoid confusion by the end users and agents as to the separate and independent identity of the respective companies and their services. Neither the Telephone Company nor the IC shall make any representation to end users, the public, prospective advertisers, expressed or implied, written or oral, which would imply that the IC is the same as, a part of, or associated with the Telephone Company.
- (e) This service may be terminated by either the Telephone Company or the IC upon thirty (30) days' written notice or as specified in 2.1.8. The Telephone Company reserves the right to terminate this service immediately upon written notice if the IC misuses the list information. Performance by the Telephone Company shall be excused in the event of strike, riot, act of God or any other cause beyond the reasonable control of the Telephone Company.

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**6. MISCELLANEOUS SERVICES (Cont'd)****6.8 End User/Agent Lists (Cont'd)****(A) Presubscription List (Cont'd)****(2) IntraMSA Equal Access**

Prior to conversion to intraMSA equal access an IC or LEC may request a list of the Telephone Company's end users of record served from that end office switch. A single Presubscription List will be provided to intraMSA toll providers as follows:

- (a) The Telephone Company will provide a list from its customer data base. The list may be provided on magnetic tape, electronic transmission or paper printout, at the option of the IC or LEC, at rates provided in 6.8.1(A). Foreign listings, PBX stations, CU centrex stations, public coin station and numbers not in service will not be provided.
- (1) The Initial List will be provided to the IC or LEC no later than 30 days after receipt of the order and payment by the IC or LEC of charges in 6.8.1(A). The nonrecurring charge for the Initial List applies per order. A single order may contain all end offices having the same intraMSA equal access conversion date. The telephone number will not be provided if an end user has a nonpublished number.

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**6. MISCELLANEOUS SERVICES (Cont'd)****6.8 End User/Agent Lists (Cont'd)****(A) Presubscription List (Cont'd)****(2) IntraMSA Equal Access****(a) (Cont'd)**

(2) The Account Activity List, which includes a listing of all changes to the customer data base, since the Initial List was produced, will be provided on a cyclic basis. The Account Activity List will only include information for those end users that are presubscribed to the IC or LEC (including end users with nonpublished numbers) for the sole purpose of updating the IC's or LEC's customer account information. There is no charge for this list.

(b) The IC or LEC agrees to use the Initial List for the sole purpose of contacting potential customers, or existing customers, regarding intraMSA telecommunications services available through equal access to be obtained from the Telephone Company. The IC or LEC agrees not to sell, or reproduce in any manner, in whole or in part, the lists or permit such to be done.

(c) The IC or LEC shall indemnify, protect and save harmless the Telephone Company from and against any and all loss, liability, damages and expense arising out of any demand, claim, suit or judgment for damages which may arise out of the Telephone Company's supplying of listing information, services or records.

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6. **MISCELLANEOUS SERVICES (Cont'd)**

6.8 **End User/Agent Lists (Cont'd)**

(A) Presubscription List (Cont'd)

(2) IntraMSA Equal Access

- (d) The Telephone Company and the IC or LEC agree that the mutual objective of the parties is to conduct their respective businesses to avoid confusion by the end users as to the separate and independent identity of the respective companies and their services. Neither the Telephone Company nor the IC or LEC shall make any representation to end users, the public, prospective advertisers, expressed or implied, written or oral, which would imply that the IC or LEC is the same as, a part of, or associated with the Telephone Company.
- (e) This service may be terminated by either the Telephone Company or the IC or LEC upon thirty (30) days' written notice or as specified in 2.1.8. The Telephone Company reserves the right to terminate this service immediately upon written notice if the IC or LEC misuses the list information. Performance by the Telephone Company shall be excused in the event of strike, riot, act of God or any other cause beyond the reasonable control of the Telephone Company.

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**6. MISCELLANEOUS SERVICES (Cont'd)**

**6.8 End User/Agent Lists (Cont'd)**

(B) Allocation Lists

(1) The Telephone Company will provide to the IC, at no charge, a list of end users and agents that have been allocated to the IC as described in 6.5(B). This list will be provided after the Balloting and Allocation Process occurs.

(2) A list of all end users and agents who have been allocated, in accordance with 6.5(B), will be available to an IC upon request. Charges in 6.8.1(A) will apply. The nonrecurring charge for the Allocation List applies each time the IC orders the service. A single ASR may contain all end offices having the same equal access conversion date.

(C) Snapshot List

The Snapshot List is a summary of selected end user and agent information for a specific IC or LEC which resides in the Telephone company customer data base. The Snapshot List may be provided on magnetic tape, electronic transmission, or paper printout, at the option of the IC or LEC, at rates provided in 6.8.1(B). Foreign listings, PBX stations, CU CENTREX stations and numbers not in service will not be provided.

The Snapshot List will be provided to the IC or LEC no later than 30 days after receipt of the order. The nonrecurring charge for the Snapshot List applies per order.

The purpose, liability and objectives associated with the provision of the Snapshot List is in 6.8 (A) (1) and (2) (b) (c) (d) and (e).

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**6. MISCELLANEOUS SERVICES (Cont'd)**

**6.8 End User/Agent Lists (Cont'd)**

(D) Line Range Reports – Lines Not Available for Subscription (OHB, OHC, OHD)

The Line Range Report provides information to the IC regarding a line or series of lines (telephone numbers) that are not available for subscription. The lines may be in a central office that has not been converted to equal access or may have service/equipment which make them unavailable for subscription.

The Line Range Report can be provided on a monthly basis as requested by the customer. Each monthly report provided will incur a nonrecurring charge as set forth in 6.8.1 (C).

**6.8.1 Rates and Charges**

	Nonrecurring Charge Per Order (DMT)	Initial List Per Customer Account * (2Y6CT)	Allocation List, Per Listing (2Y6CT)
(A) <u>Initial and Allocation Lists</u>	\$50.00	\$ .03	\$ .03
			<b><u>Per Listing</u></b>
	(SSQ)	(SSY)	
(B) <u>Snapshot List**</u>	75.00	.05	
(C) <u>Line Range Reports (NRBZR)</u>	583.00		

\* For the purpose of the Initial Lists a customer is defined in section 2.6. for the purpose of the Allocation list, a listing is defined as an end user or agent record eligible for an InterMSA Primary Interexchange Carrier Selection.

\*\* For the purpose of the Snapshot list, a listing is defined as an end user or agent record eligible for a Predesignated Inter MSA and/or IntraMSA Interexchange Carrier Selection.

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**6. MISCELLANEOUS SERVICES (Cont'd)****6.9 Billing Name and Address Service**

The Telephone Company will, upon request, provide Billing Name and Address Services (BNAS) to a Telecommunications Service Provider (customer), or its authorized billing and collection agent. Telecommunications Service Providers include interexchange carriers, operator service providers, enhanced service providers, and any other provider of intrastate/interstate telecommunications services. There are three BNAS offerings available pursuant to this tariff: Per Call/Periodic BNA, Data Gathering Service (DGS) and End User Validation List.

**(A) Per Call/Periodic BNA and Data Gathering Service**

Per Call/Periodic BNA is the billing name and address information and Data Gathering is the billing telephone number, name, address and associated working telephone number information for customer provided ten digit end user telephone numbers required by the Telecommunications service provider customer to bill for calls placed within a specific time period. Per Call/Periodic BNA and DGS are offered subject to the following conditions:

- (1) A standard format for the receipt and provision of telephone number and billing name and address information will be established by the Telephone Company. Charges for each Per Call/Periodic BNA searched for and found or searched for and not found will be billed at rates in 6.9.1(A). Charges for each record accessed for DGS are set forth under 6.9.1(B). Per Call/Periodic BNA and DGS will be provided via magnetic tape, electronic transmission or paper format, at the option of the customer, at rates in 6.9.1. The processing fee will be applied in the state of Illinois, once per calendar year for BNAS processing done within that calendar year.
- (2) The customer must order Per Call/Periodic BNA or DGS and provide a test data tape at least 30 days prior to delivery of the first customer order.

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**6. MISCELLANEOUS SERVICES (Cont'd)****6.9 Billing Name and Address Service (Cont'd)****(A) Per Call/Periodic BNA and Data Gathering Service (Cont'd)**

- (3) The frequency for receipt of the customer provided orders for Per Call/Periodic BNA or DGS will be no more than twice monthly and at intervals mutually agreed upon between the Telephone Company and the customer. The customer provided end user telephone numbers will be programmed by the Telephone Company with the proper end user's billing name and address contained in the Telephone Company's file at that time.
- (4) Per Call/Periodic BNA and DGS information for nonlisted/nonpublished end user telephone numbers will be provided unless the nonlisted/nonpublished end user provides notice of nonconsent to the Telephone Company of nonconsent to the release of the BNA/DGS data. Within 30 days of receipt of such notice, the Telephone Company will discontinue disclosure of the end user's nonlisted/nonpublished BNA/DGS data.
- (5) For other than electronic transmission, the output records will be sent to the customer via first class U.S. Mail. The output records will normally be made available for mailing ten workdays after receipt of the customer order or at an interval mutually agreed upon. Availability may be delayed in case of input errors in the customer provided order.
- (6) The customer may request data be transmitted. Data transmission charges will be determined on an ICB. Data transmission hardware and software specifications will be mutually agreed upon by the Telephone Company and the customer.

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**6. MISCELLANEOUS SERVICES (Cont'd)**

**6.9 Billing Name and Address Service (Cont'd)**

(A) Per Call/Periodic BNA and Data Gathering Service (Cont'd)

- (7) Per Call/Periodic BNA and DGS detail will not be retained by the Telephone Company longer than 45 days. If the customer requests that the output be made available on a second occasion, such request must occur within 30 days from the date the first was made.
- (8) Any customer, provided Per Call/Periodic BNA or DGS pursuant to this tariff, agrees to abide by all applicable rules, decisions, orders, statutes and laws concerning the disclosure of published and nonpublished telephone numbers, and further agrees to use the information contained therein only for the purpose of billing for services provided to their end users.
- (9) In no case shall any customer or authorized billing and collection agent of a customer disclose the billing name and address information of any subscriber to any third party, except that a customer may disclose BNA/DGS information to its authorized billing and collection agent or to governmental law enforcement agencies.
- (10) Conditions regarding refusal or discontinuance of this service are set forth in 2.1.8.

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**6. MISCELLANEOUS SERVICES (Cont'd)****6.9 Billing Name and Address Service (Cont'd)****(B) End User Validation List**

End User Validation Lists provide for the disclosure of all or a portion of end user/agent data available from the Telephone Company's records, to a Telecommunications Service Provider (customer), for purposes other than billing, and in compliance with the conditions set forth in Part 64.120(c)(1) of the FCC's Rules and Regulations. In addition, End User Validation List Service is offered subject to the conditions set forth in 6.9(A)(9) above, and the following:

- (1) Standard End User Validation Lists will be provided in three (3) files, business, coin (semi-public and public paystations) and residence. Nonlisted/nonpublished information will be excluded, with the exception of nonlisted public paystations. The lists may be ordered for any of the Telephone Company's jurisdictions subject to this tariff, unless prohibited by federal regulation or federal statute. Rates for the standard End User Validation List are set forth under 6.9.1(C).
- (2) Per calendar year, the customer may request up to two (2) lists for business, coin, and residence listings.
- (3) A standard format will be established by the Telephone Company. Requests for special list sorts will be limited to an end user list separating those that are presubscribed to the requesting customer, and/or those that are not. The rate, per record, applicable to special sorts is set forth under 6.9.1(C).

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**6. MISCELLANEOUS SERVICES (Cont'd)**

**6.9 Billing Name and Address Service (Cont'd)**

(B) End User Validation List (Cont'd)

- (4) Each request shall be treated as a new request. Requests for updates from previous lists will not be provided.
- (5) The customer shall have fifteen (15) business days from the date of delivery of a list to request any investigation of issues arising from the provision of the list.
- (6) End User Validation Lists will normally be provided to the customer within thirty calendar days after receipt of a request and within ten (10) business days of extraction, or at an interval mutually agreed upon. The administrative fee set forth under 6.9.1(C) applies per request.
- (7) Conditions regarding refusal or discontinuance of this service are set forth in 2.1.8.

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**ACCESS SERVICE****6. MISCELLANEOUS SERVICES (Cont'd)****6.9 Billing Name and Address Service (Cont'd)****6.9.1 Rates and Charges****(A) Per Call/Periodic BNA**

Billing Name and Address Found/Each (BNYFX)	\$ .38
Billing Name and Address Not Found/Each (BNYNX)	.38
Processing Fee*, Paper Report, Electronic Transmission or Magnetic Tape (BNYMX)	50.00

**(B) Data Gathering Service**

Per Record Accessed (D7GPR)	\$ .18
Processing Fee*, Paper Report, Electronic Transmission or Magnetic Tape (D7G)	75.00

**(C) End User Validation List**

Standard Sort, Per Record Provided (BVY1X)	.034
Administrative Fee, Paper Report, Electronic Transmission or Magnetic Tape/Per request (BVY)	78.00
Special Sort, Per Record Provided (BVY2X)	.054

\* Applies once per calendar year for BNA processing done within that calendar year.

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**6. MISCELLANEOUS SERVICES (Cont'd)****6.11 International Blocking Service**

The Telephone Company, upon request, will provide end office blocking of only end user direct dialed 011+ and 101XXXX+011+ calls from an end user's location. This optional service is offered on a per line basis where facilities permit and is available for use with local business exchange service offered in the Telephone Company's local exchange tariff.

International Blocking Service, Per Line of Trunk (INTLBLK)	Nonrecurring Charge \$19.95
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**6.12 Service Access Code 900 Blocking**

Service Access Code 900 Blocking provides for the blocking of all calls originated to the 900 service access code. The service is provided upon request where facilities permit and is provided free of charge to customers for the first blocking request. For 900 blocking requests after the first request a nonrecurring charge is applicable per telephone number blocked. customer requests to remove 900 blocking (i.e. to unblock the service) must be in writing. There is no charge for unblocking.

Service Access Code 900 Blocking, Per Number Blocked after First Request	Nonrecurring Charge \$5.00
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6. **MISCELLANEOUS SERVICES (Cont'd)**

6.13 **Selective Class of Call Screening (SCOCS)**

(A) Selective Class of Call Screening is an optional service available, where facilities permit, in Telephone Company electronic end offices. This service restricts outgoing 1+, 0+ and 0- calls placed over the Telephone Company's network, to only those calls which are charged to a number other than the originating number, i.e., collect, third number billed or Calling Card. Selective Class of Call Screening is available for use with line side General Exchange Tariff services that are provided for the provision of telecommunication services to transient members of the public at the rates shown in 6.13 (B).

The customer will specify, at the time of the order, the restriction or restrictions desired. The customer may specify any combination of the following to restrict the billing of outgoing toll calls to:

- A Credit Card
- A Third Number
- Collect to the Called Number

Option 1

An outgoing 1+ call will not be permitted unless the end user makes arrangements to have the call billed to a called telephone number (Collect), a third number or a Calling Card account.

Option 2

An outgoing 0+ or 0- call will not be permitted unless the end user makes arrangements to have the call billed to a called telephone number (Collect), a third number or a Calling Card account.

(B) Rates and Charges

Monthly Rate, Per Screening Option. . . . . \$0.30

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6. MISCELLANEOUS SERVICES (Cont'd)

6.14 Answer Supervision - BSE

Answer Supervision is the line side functionality that provides an electrical signal to the calling end of a switched telephone connection when the called line goes off-hook. Customer-Owned Pay Telephone (COPT) Answer Supervision will be provided for use with Public Telephone Access Service as specified in the Company's local/general exchange tariff to assist in determining when billing for a specific call should commence.

Monthly Rate, Per Line. . . . . \$6.35

6.15 (Reserved for Future Use)

6.16 (Reserved for Future Use)

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6. **MISCELLANEOUS SERVICES** (Cont'd)

6.17 **Reserved for Future Use**

(T)

(D)

6.18 **DS1 Span Power**

When DS1 Service, provided over metallic facilities, is connected to customer provided optical high voltage protection, the Telephone Company will provide, upon request, DS1 span power from the CO to the CPE electrical-to-optical converter, at the point of termination.

(D)

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
Telephone Company provided DS1 Span Power	\$71.00	\$340.00

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Senior Vice President, Regulatory Affairs  
Citizens Communications Company  
21 West Ave.  
Spencerport, NY 14559



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**7. SPECIALIZED FIA OR ARRANGEMENTS**

**7.1 General**

Specialized FIA or arrangements may be provided by the Telephone Company, at the request of a customer, on an Individual Case Basis (ICB) if such FIA or arrangements meet the following criteria:

- The requested FIA or arrangements are not offered under other sections of this tariff.
- The facilities utilized to provide the requested FIA or arrangements are of a type normally used by the Telephone Company in furnishing its other services.
- The requested FIA or arrangements are provided within a Market Area.
- The requested FIA or arrangements are compatible with other Telephone Company services, facilities, and its engineering and maintenance practices.

This offering is subject to the availability of the necessary Telephone Company personnel and capital resources.

**7.2 Rates and Charges**

Rates and charges and additional regulations, if applicable, for Specialized FIA or Arrangements are filed following:

(Reserved for future use.)

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**8. ANCILLARY SERVICES**

**8.1 Billing and Collection Service**

Ancillary Services consist of Billing and Collection Service, Directory Assistance and Operator Services. Ancillary Services shall be furnished to subscribers to the Telephone Company's access services and, in addition, other telecommunications service providers, including providers of telephone answering services or voice messaging services.

All subscribers of Ancillary Services are subject to the terms and conditions contained within this tariff. Should the customer choose to perform his own ancillary functions and require sufficient information to do so, listed customer information may be purchased consistent with Illinois state regulations governing any rights to privacy. Charges for such lists are as set forth in Section 6 of this tariff.

**8.1.1 Service Offerings**

Billing and Collection Services are available in the following categories:

- Call Recording Service
- Message Processing Service
- Assembly and Editing Service
- Call Record Provision Service
- Message Bill Processing Service
- Bill Rendering Service
- Message Investigation Service
- Billing Detail Plus
- Premium Billing Service
- Program Development
- Inquiry Service

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**8. ANCILLARY SERVICES (Cont'd)****8.1 Billing and Collection Service (Cont'd)****8.1.1 Service Offerings (Cont'd)**

Regulations, rates and charges as follows apply to Billing and Collection Services and shall not serve as a substitute for customer tariff offerings of services to end users. The provision of such Billing and Collection Services by the Telephone Company, as set forth following, does not constitute a joint undertaking with the customer for the furnishing of any service.

The Telephone Company's undertaking to provide Billing and Collection Services is made only in conjunction with intrastate services offered within its operating territory.

The regulations, rates and charges contained herein are in addition to the applicable regulations, rates and charges specified in other sections of this tariff and in other tariffs of the Telephone Company which are referenced herein.

**8.1.2 Regulations****(A) Undertaking of the Telephone Company****(1) Provision of Billing and Collection Services**

- (a) The Telephone Company, to the extent Billing and Collection Services are, or can be made available with reasonable effort, will provide to the customer Billing and Collection Services as described in 8.1.3, at rates and charges as specified in 8.1.5.

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8. ANCILLARY SERVICES (Cont'd)

8.1 Billing and Collection Service (Cont'd)

8.1.2 Regulations (Cont'd)

(A) Undertaking of the Telephone Company (Cont'd)

(1) Provision of Billing and Collection Services (Cont'd)

- (b) When the customer subscribes to Call Recording Service, as set forth in 8.1.3(A), and customer message detail is not available because the Telephone Company lost or damaged tapes or incurred recording system outages, the Telephone Company will estimate the volume of lost customer messages and associated revenue based on previously known values determined from historical data. In such events the extent of the Telephone Company's liability for damages shall be limited to the granting of a corresponding credit adjustment on the customer's bill representing amounts due to the customer for the unbilled revenue.

When the Telephone Company is notified that, due to error or omission, incomplete data has been provided to a customer, the Telephone Company will make every reasonable effort to locate and/or recover the data and provide new magnetic tapes to the customer at no additional charge. Such request to recover the data must be made within 30 days from the date the details were initially made available to the customer. If the data cannot be recovered, the extent of the Telephone Company's liability for damages shall be limited as set forth in the preceding paragraph.

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**8. ANCILLARY SERVICES (Cont'd)**

**8.1 Billing and Collection Service (Cont'd)**

**8.1.2 Regulations (Cont'd)**

(A) Undertaking of the Telephone Company (Cont'd)

(1) Provision of Billing and Collection Services (Cont'd)

- (c) The Telephone Company shall be responsible for contacts and arrangements with the end user concerning the billing, collecting, crediting and adjusting of the customer's service charges, when the Telephone Company provides Inquiry Service as set forth in 8.1.3(K).
- (d) Message Bill Processing, Bill Rendering, Billing Detail Plus, Premium Billing and Inquiry Services will only be offered by the Telephone Company with the purchase of receivables. The Telephone Company will purchase the customer's receivables at a discount from face value.

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8. **ANCILLARY SERVICES** (Cont'd)

8.1 **Billing and Collection Service** (Cont'd)

8.1.2 **Regulations** (Cont'd)

(A) **Undertaking of the Telephone Company** (Cont'd)

(2) **Discontinuance and Refusal of Billing and Collection Services**

- (a) If the customer fails to comply with the provisions of this tariff, including any payments to be made by it on the dates or at the times herein specified, and fails within thirty (30) days after written notice via certified mail from the Telephone Company to an officer of the customer requesting payment for such noncompliance, the Telephone Company may discontinue the provision of the Billing and Collection Service. In case of such discontinuance, all applicable charges shall immediately become due.
- (b) If the customer repeatedly fails to comply with the provisions of this tariff in connection with the provision of Billing and Collection Services and fails to correct such course of action after notice as set forth in (a) preceding, the Telephone Company may refuse applications for additional Billing and Collection Services.

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8. **ANCILLARY SERVICES** (Cont'd)

8.1 **Billing and Collection Service** (Cont'd)

8.1.2 **Regulations** (Cont'd)

(B) **Obligations of the Customer**

(1) **References to the Telephone Company**

The customer may advise end users that Billing and Collection Services are provided by the Telephone Company in connection with the service the customer furnishes to its end users.

(2) **Request for Service**

(a) **Minimum Order Periods**

The customer shall order Billing and Collection Service(s) with the following minimum requirements:

The minimum period for which Call Recording Service is provided and for which charges apply is one month (30 days). A customer may cancel Call Recording Service on any date prior to the start of the next month's service. If written notice is not received from the customer, or from the telephone company that ordered the Call Recording Service prior to the start of the following month's service, the Telephone Company shall assume that the service is to be extended for another month (30 days).

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8. **ANCILLARY SERVICES** (Cont'd)

8.1 **Billing and Collection Service** (Cont'd)

8.1.2 **Regulations** (Cont'd)

(B) **Obligations of the Customer** (Cont'd)

(2) **Request for Service** (Cont'd)

(a) **Minimum Order Periods** (Cont'd)

The initial minimum period for Message Processing, Message Bill Processing, Bill Rendering, Billing Detail Plus, Premium Billing and Inquiry Services is three years. Six months prior to the end of the initial order period or subsequent extension, the customer shall notify the Telephone Company in writing, if the service is to be discontinued. If no notice is received from the customer, the Telephone Company shall assume that the service is extended for another year.

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8. ANCILLARY SERVICES (Cont'd)

8.1 Billing and Collection Service (Cont'd)

8.1.2 Regulations (Cont'd)

(B) Obligations of the Customer (Cont'd)

(2) Request for Service (Cont'd)

(b) Order Requirements

When Call Recording Service is ordered, the customer shall furnish the Telephone Company an estimate of the number of messages (message capacity) to be recorded. When Call Recording Service is provided from an end office switch, the estimate of the number of messages to be recorded shall be provided by end office. When Call Recording Service is provided from an access tandem, the estimate of the number of messages to be recorded shall be provided by access tandem. The message capacity shall be provided by year.

When Message Processing Service is ordered, the customer shall furnish the Telephone Company an estimate of the number of messages (message capacity) to be processed. The number of messages shall be provided by year.

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8. ANCILLARY SERVICES (Cont'd)

8.1 Billing and Collection Service (Cont'd)

8.1.2 Regulations (Cont'd)

(B) Obligations of the Customer (Cont'd)

(2) Request for Service (Cont'd)

(b) Order Requirements (Cont'd)

When Message Bill Processing, Message Investigation, Billing Detail Plus, Premium Billing and Inquiry Services are ordered for MTS/WATS services, the customer shall furnish the Telephone Company an estimate of the number of messages (message capacity) to be billed. The message capacity shall be provided by year. Separate estimates shall be furnished by the customer for MTS messages, bulk-billed messages (WATS/800 services) and Premium Billing Service messages.

When Bill Rendering Service is ordered, the customer shall furnish the Telephone Company an estimate of the number of bills for which Bill Rendering Service will be provided. The bill capacity shall be provided by year. Separate estimates shall be furnished by the customer for MTS bills, bulk billed bills (WATS/800) and Premium Billing Service bills.

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8. **ANCILLARY SERVICES** (Cont'd)

8.1 **Billing and Collection Service** (Cont'd)

8.1.2 **Regulations** (Cont'd)

(C) **Payment Arrangements**

(1) **Minimum Charges**

- (a) Call Recording, Message Processing, Message Bill Processing, Billing Detail Plus, Bulk-Billed, Premium Billing and Inquiry Services are subject to minimum charges.
- (b) Any minimum billings associated with the above services will be filed on an individual case basis in Section 8.1.5(L) of this tariff.

(2) **Cancellation of Order for Billing and Collection Services**

- (a) When an order for Billing and Collection Services is cancelled prior to the start of installation of such services, no charges will apply. Installation of Billing and Collection Services is considered to have started when the Telephone Company incurs any cost in connection therewith or in preparation thereof which would not otherwise have been incurred.

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8. ANCILLARY SERVICES (Cont'd)

8.1 Billing and Collection Service (Cont'd)

8.1.2 Regulations (Cont'd)

(C) Payment Arrangements (Cont'd)

(2) Cancellation of Order for Billing and Collection Services (Cont'd)

(b) Where program development of Billing and Collection Services has been started prior to the cancellation, and to the extent the Telephone Company has another use for the specially developed Billing and Collection Services, no charge applies. When the Telephone Company has no other use for the specially developed Billing and Collection Services, a charge equal to the costs incurred prior to the date of cancellation applies. Such charge is determined as detailed in paragraph (c).

(c) The charge, as specified in paragraph (b) includes the cost, less the net salvage value of equipment and material either ordered, provided or installed, plus the nonrecoverable cost of system development and installation. Charges will be determined on an individual case basis as required and will be specified in 8.1.5(M).

(3) Acceptance of Gift Certificates

The Telephone Company will accept customer gift certificates for payment from end users, if the customer agrees in writing to redeem all such gift certificates.

8. ANCILLARY SERVICES (Cont'd)

8.1 Billing and Collection Service (Cont'd)

8.1.2 Regulations (Cont'd)

(C) Payment Arrangements (Cont'd)

(4) Minimum Period Disconnect Charges

Minimum period disconnect charges will apply, if service is discontinued prior to the expiration of the minimum period. For Call Recording Service, the Telephone Company will use the most recent 30 day period for which data is available to determine the total minimum monthly charge. The customer will only be billed for the adjusted amount due, if payment has been received for any portion of the discontinued service.

If, for Message Processing, Message Bill Processing, Bill Rendering, Billing Detail Plus, Premium Billing and Inquiry Services, service is discontinued prior to the end of the period ordered, the customer will pay the minimum charges for the remaining months of the minimum order period specified in 8.1.2(B)(2)(a).

The monthly charge for Message Processing, Message Bill Processing, Bill Rendering, Billing Detail Plus, Premium Billing and Inquiry Services will be one-twelfth of the appropriate yearly message capacity (i.e., MTS service billed or bulk-billed capacity estimate) furnished by the customer as set forth above, times the appropriate Message Processing, Message Bill Processing, Bill Rendering, Billing Detail Plus, Premium Billing and Inquiry Services rate.

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8. **ANCILLARY SERVICES** (Cont'd)

8.1 **Billing and Collection Service** (Cont'd)

8.1.2 **Regulations** (Cont'd)

(C) **Payment Arrangements** (Cont'd)

(5) **Payment of Charges**

When the Telephone Company purchases Call Recording from another telephone company and/or Message Processing Services from another telephone company or entity for a customer, the rates and charges for such services contained in this tariff are applicable.

(6) **Customer's End User Deposits**

When Bill Rendering, Billing Detail Plus and Premium Billing Services are ordered, the Telephone Company will determine and collect a deposit from the customer's end user in accordance with the Telephone Company deposit regulations. The Telephone Company will provide the customer with a copy of its deposit regulations upon request.

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8. ANCILLARY SERVICES (Cont'd)

8.1 Billing and Collection Service (Cont'd)

8.1.3 Description of Billing and Collection Services

Billing and Collection Services consist of those functions provided in conjunction with Facilities for Intrastate Access (FIA) which the Telephone Company offers in other sections of this tariff. Billing and Collection Services are as follows:

(A) Call Recording Service

The Telephone Company will provide Call Recording in Telephone Company suitably equipped end offices or tandems. Call Recording is available with FGC, FGD or similar Feature Group offerings when used in the provision of MTS/WATS services. Call Recording is the entering on magnetic tape or other acceptable media the details of customer messages originated through Switched Access Service or Switched Access-like service for which answer and disconnect supervision has been received. The Telephone Company will provide the customer, upon request, the recorded message detail, as agreed to by both parties, for each completed intrastate message generated by end users gaining access to the customer from the Access Area.

The equipment at the customer designated location shall provide such signals as may be required for the proper operation of the Telephone Company's automatic call recording equipment used to perform this function.

The Telephone Company may purchase Call Recording Service from another telephone company. Another telephone company or entity may purchase Call Recording Service from the Telephone Company.

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**8. ANCILLARY SERVICES (Cont'd)**

**8.1 Billing and Collection Service (Cont'd)**

**8.1.3 Description of Billing and Collection Services (Cont'd)**

**(A) Call Recording Service (Cont'd)**

A standard format for the provision of the recorded message detail will be established by the Telephone Company. The Telephone Company will provide to the customer the precise details of the format. If, in the course of Telephone Company business, it is necessary to change the format, the Telephone Company will provide notification to the customer six months in advance of the change.

**(B) Message Processing Service**

Message Processing Service consists of the transformation of recorded customer message details into rated messages. Message Processing Service will be provided for each intrastate message generated by end users gaining access to the customer from the Access Area of the Telephone Company. Message Processing Service includes the following:

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8. **ANCILLARY SERVICES** (Cont'd)

8.1 **Billing and Collection Service** (Cont'd)

8.1.3 **Description of Billing and Collection Services** (Cont'd)

(B) **Message Processing Service** (Cont'd)

(1) **Assembly of Message Detail**

This function consists of arranging the customer's recorded message details into a format required for subsequent processing.

(2) **Editing of Message Detail**

This function consists of examining individual message details and identifying the messages with errors or the messages which require further examination.

(3) **Rating of Messages**

This function consists of calculating the charges for messages based on the customer's schedule of charges and the message detail.

The Telephone Company will provide Message Processing Service only for customer messages originated within the Access Area.

For the purpose of performing Message Processing Service, the Telephone Company may purchase Message Processing Service from another telephone company or entity as set forth in 8.1.2(C)(5). Another telephone company or entity may purchase Message Processing Service from the Telephone Company.

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8. ANCILLARY SERVICES (Cont'd)

8.1 Billing and Collection Service (Cont'd)

8.1.3 Description of Billing and Collection Services (Cont'd)

(B) Message Processing Service (Cont'd)

Where the customer provides its own message details, it must be in the standard format established by the Telephone Company. The Telephone Company will provide to the customer the precise details of the required format. If, in the course of Telephone Company business, it is necessary to change the format, the Telephone Company will provide notification to the customer six months in advance of the change.

Where the Telephone Company has rated customer messages which are to be billed to an end user by another telephone company or entity, the Telephone Company will enter the customer messages on a magnetic tape or data file and transmit the rated messages as set forth in 8.1.3(D).

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8. ANCILLARY SERVICES (Cont'd)

8.1 Billing and Collection Service (Cont'd)

8.1.3 Description of Billing and Collection Services (Cont'd)

(C) Assembly and Editing Service

Assembly is the aggregation of recorded message details to create individual messages for rating. Editing is the process of verifying that the assembled message data is in accordance with the Telephone Company standard format and prescribed Exchange Message Interface (EMI) specifications.

The editing function consists of examining individual message details and identifying the messages with errors or the messages requiring further examination. The editing process includes the validation of data categories such as, but not limited to, the following:

- Called Telephone Number
- Calling Telephone Number
- Date

The assembled and edited recorded message detail will be provided to the customer as set forth in 8.1.3(D).

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8. ANCILLARY SERVICES (Cont'd)

8.1 Billing and Collection Service (Cont'd)

8.1.3 Description of Billing and Collection Services (Cont'd)

(D) Call Record Provision Service

Call Record Provision Service is the transmission and receipt of rated and unrated message data. It also includes the transmission of end user data as a result of customer generated activity (i.e., transmitting end user data during conversion activities, etc.)

The billing information and/or end user data may be transmitted or received on magnetic tape or other acceptable media via either of two principal methods:

- Hand carried recording media (i.e., magnetic tape).
- Direct interface (data link) to the Telephone Company billing center

The Telephone Company will determine the number of magnetic tapes required to transmit message/record data to the customer, another telephone company or billing entity.

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8. ANCILLARY SERVICES (Cont'd)

8.1 Billing and Collection Service (Cont'd)

8.1.3 Description of Billing and Collection Services (Cont'd)

(E) Message Bill Processing Service

Message Bill Processing Service is the accumulation, guiding and preparation of messages (including the application of taxes) for end user bill rendering MTS/WATS services.

Message-Billed Message Bill Processing Service is the accumulation, guiding, posting and formatting of rated message detail for bill rendering. The Telephone Company will process Calling Plans (i.e., Directory Assistance, Optional Calling Plans, Dial-It calls, etc.) that require the application of a discount to aggregate MTS usage as a part of its Message-Billed Message Bill Processing Service.

Bulk-Billed Message Bill Processing Service is the accumulation, guiding and posting of rated message detail where the individual message detail is not provided on the bill rendered to the end user.

The rating may have been done by the Telephone Company, another entity or the customer. Where a customer subscribes to Message Processing Service, as set forth in 8.1.3(B), the rated customer messages will be used as the input. If the customer provides the rated messages, the end user account to be billed shall be identified and the records shall be provided in the standard format established by the Telephone Company and delivered, as set forth in 8.1.3(D) or 8.1.4(M), to the location specified by the Telephone Company.

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**8. ANCILLARY SERVICES (Cont'd)**

**8.1 Billing and Collection Service (Cont'd)**

**8.1.3 Description of Billing and Collection Services (Cont'd)**

**(E) Message Bill Processing Service (Cont'd)**

If the customer provided rated messages must be converted by the Telephone Company to the standard format, and the Telephone Company agrees to make the conversion, program development charges as set forth in 8.1.5 apply for the hours required to design, develop, test and maintain the necessary programs. If, in the course of Telephone Company business, it is necessary to change the format, the Telephone Company will provide notification to the customer six months in advance of the change.

The Telephone Company will only provide Message Bill Processing Service when Bill Rendering Service and Record Keeping are ordered.

The Message Bill Processing Service rate band will be determined by the Telephone Company for each customer based on the total number of interstate and intrastate messages per year.

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8. ANCILLARY SERVICES (Cont'd)

8.1 Billing and Collection Service (Cont'd)

8.1.3 Description of Billing and Collection Services (Cont'd)

(F) Bill Rendering Service

Bill Rendering Service is the printing and mailing of statements showing amounts due from end users for services provided by the customer. Bill Rendering Service includes payment and remittance processing, treatment, denial of service and collection of deposits (where appropriate) and other monies due from the end user. Bill Rendering Service is provided on a per bill basis.

When the Telephone Company provides Bill Rendering Service, the customer's statement of the amount due may, at Telephone Company option, be included as part of the regular monthly bill for local exchange service mailed to the end user.

The Telephone Company may, in accordance with its deposit regulations, determine and collect a deposit from the end user for the customer's services as set forth in 8.1.2(C)(6). When necessary, the Telephone Company, in accordance with its treatment procedures, shall deny the customer's services and/or local exchange services to an end user. Where local exchange service access is denied, access to the customer services will also be denied.

Bill Rendering Service will only be provided in conjunction with the purchase of a customer's receivables. The Telephone Company will not be responsible for any customer's balance due from end users prior to the initial order period.

The Telephone Company will only provide Bill Rendering Service when Message Bill Processing Service with Record Keeping are ordered or when Premium Billing Service is ordered.

The Bill Rendering Service rate band will be determined by the Telephone Company for each customer based on the total number of bills per year.

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8. ANCILLARY SERVICES (Cont'd)

8.1 Billing and Collection Service (Cont'd)

8.1.3 Description of Billing and Collection Services (Cont'd)

(G) Message Investigation Service

The Telephone Company will provide Message Investigation Service when requested by the customer. Message Investigation Service is that activity undertaken by the Telephone Company to secure, or attempt to secure proper billing information in an effort to sustain or recharge the customer's message. The Telephone Company will investigate, at the request of the customer, unbillable messages to correct message detail information to allow for the proper billing application.

The customer's request for Message Investigation Service shall identify the customer message, the date the customer message was billed and the amount of the customer message. Message Investigation Service is provided on a per message investigated basis.

Message Investigation Service will be provided for each intrastate message generated by end users gaining access to the customer MTS/WATS services from the Access Area of the Telephone Company.

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8. ANCILLARY SERVICES (Cont'd)

8.1 Billing and Collection Service (Cont'd)

8.1.3 Description of Billing and Collection Services (Cont'd)

(H) Billing Detail Plus

Billing Detail Plus includes the preparation of bills, mailing of the bills to the end users and the collection of deposits and monies due from the end users. Billing Detail Plus also includes master file maintenance.

Billing Detail Plus is provided on a per message billed basis (message-billed). The Telephone Company will process Calling Plans (i.e., Directory Assistance, Optional Calling Plans, Dial-It calls, etc.) that require the application of a discount to aggregate MTS usage as a part of its message-billed billing.

When Billing Detail Plus is ordered, the Telephone Company will accumulate, guide and post rated messages in preparation for billing (includes the application of taxes). The Telephone Company will also print and mail statements showing amounts due from end users for MTS services provided by the customer.

Collection Service provided to the customer will include receiving payments from the customer's end users, treatment of receivables, treatment of accounts, master file maintenance and collection of deposits (where appropriate) as set forth in 8.1.2(C)(6). When necessary, the Telephone Company, in accordance with its treatment procedures, shall deny the customer's services and/or local exchange services to an end user. Where local exchange service access is denied, access to the customer services will also be denied.

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8. ANCILLARY SERVICES (Cont'd)

8.1 Billing and Collection Service (Cont'd)

8.1.3 Description of Billing and Collection Services (Cont'd)

(H) Billing Detail Plus (Cont'd)

The rating may have been done by the Telephone Company, another entity or the customer. Where the customer subscribes to Message Processing Service as set forth in 8.1.3(B), the rated customer messages will be used as the input. If the customer or another entity provides the rated messages, the end user account to be billed shall be identified and the records shall be provided in the standard format established by the Telephone Company and delivered as set forth in 8.1.3(D) or 8.1.4(M).

Billing Detail Plus will only be provided in conjunction with the purchase of a customer's receivables. The Telephone Company will not be responsible for any customer's balance due from end users prior to the initial order period.

(I) Premium Billing Service

Premium Billing Service is the centralized receipt of Premium Billing Service records for inclusion on the end user bill.

Premium Billing Service includes the preparation of bills, mailing of statements of the amount due for services provided by the customer and the collection of deposits (where appropriate) and monies due from the customer's end users. Premium Billing Service also includes account establishment, maintenance of accounts and treatment of accounts.

8. ANCILLARY SERVICES (Cont'd)

8.1 Billing and Collection Service (Cont'd)

8.1.3 Description of Billing and Collection Services (Cont'd)

(I) Premium Billing Service (Cont'd)

When the Telephone Company provides Premium Billing Service, the customer shall rate its end users messages, calculate the taxes and the total amount (surcharges, discounts, allowances, recurring fees, etc.) to be billed for services it provided to its end users, prior to sending the Premium Billing Service records to the Telephone Company.

The customer's statement of the amount due may, at Telephone Company option, be included as part of the regular monthly bill for local exchange service mailed to the end user.

As a part of its treatment procedures, the Telephone Company shall have the final authority to make adjustments or deny service for disputed charges on the end user's account.

Premium Billing Service will only be provided in conjunction with the purchase of a customer's receivables. The Telephone Company will not be responsible for any customer's balance due from end users prior to the initial order period.

Call Record Provision charges, as set forth in 8.1.5, shall apply for the receipt of accepted messages and the return of rejected messages. Bill Rendering charges, as set forth in 8.1.5, shall apply for each bill rendered. In addition, the Premium Billing Service Charges as set forth in 8.1.5 shall apply.

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8. ANCILLARY SERVICES (Cont'd)

8.1 Billing and Collection Service (Cont'd)

8.1.3 Description of Billing and Collection Services (Cont'd)

(J) Program Development Service

Program Development Service consists of developing the customer's schedule of rates into a rating program and changing the bill format when requested by the customer. Program Development Service also includes converting message data, transmitted to the Telephone Company by the customer or another entity, into the Telephone Company standard format for processing.

A Program Development Charge, as set forth in 8.1.5, applies for the programming hours required for software designing and coding.

A Program Implementation Charge applies for table updating, testing, administration, documenting program changes and other implementation activities.

Changes in the rate levels of customer charges to be billed will normally be implemented within 30 days after receipt of an order from the customer requesting such change. When modification to the rating program is required, a Program Development Charge will also apply. Changes in rate structure will normally be completed within six months of a customer's order.

The complexity of the structural change will determine the exact length of time necessary to fulfill the request. Rate structure changes will be made only when the Telephone Company can accommodate such changes.

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8. **ANCILLARY SERVICES (Cont'd)**

8.1 **Billing and Collection Service (Cont'd)**

8.1.3 **Description of Billing and Collection Services (Cont'd)**

(K) Inquiry Service

Inquiry Service consists of answering end user questions about charges billed for the customer's services, applying credits and adjustments to end user accounts, and reviewing messages removed from end user bills.

When the Telephone Company provides Inquiry Service, the Telephone Company will be responsible for contacts and arrangements (either written or oral) with the customer's end users concerning the billing, collecting, crediting, adjusting and message investigation of the customer's service charges in accordance with written instructions furnished by the customer and agreed to by the Telephone Company. Billed messages removed from an end user's bill will be appropriately adjusted to the customer's account receivable as agreed to by both parties.

The Telephone Company will not become involved in disputes between a customer and its end users. Consequently, utilizing Telephone Company guidelines previously established for the collection process for its own accounts, the Telephone Company may remove a disputed customer's charge from an end user's bill and deduct that amount from the customer's accounts receivable. It will be the customer's responsibility to pursue the collection of the disputed amount.

The Telephone Company shall have the final authority to make adjustments or deny service for disputed charges on end users' accounts.

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8. ANCILLARY SERVICES (Cont'd)

8.1 Billing and Collection Service (Cont'd)

8.1.3 Description of Billing and Collection Services (Cont'd)

(K) Inquiry Service (Cont'd)

Inquiry Service will only be provided in conjunction with the purchase of a customer's receivables. The Telephone Company will not be responsible for any customer's balances due from end users prior to the initial order period.

Inquiry Service will only be provided when Message Bill Processing, Billing Detail Plus is ordered. Inquiry Service will only be provided in the Telephone Company operating territory.

Inquiry Service consists of a bifurcated rate structure, a per message billed rate and a per adjustment rate.

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8. ANCILLARY SERVICES (Cont'd)

8.1 Billing and Collection Service (Cont'd)

8.1.4 Rate Regulations

- (A) Call Recording Service for MTS/WATS services includes the functions listed in 8.1.3(A). The rate, as set forth in 8.1.5, applies per message recorded.
- (B) Message Processing Service for MTS/WATS services includes the functions listed in 8.1.3(B). The rate, as specified in 8.1.5, applies per message processed. In those locations where WATS services are metered, or the billing record is summarized by another telephone company, the Message Processing rate, as set forth in 8.1.5, will apply per billing record processed. For rating purposes, a billing record is defined as any record which is required to be processed to accomplish billing of a customer's WATS usage.
- (C) Assembly and Editing Service for MTS/WATS services consists of the functions listed in 8.1.3(C). The rate, as specified in 8.1.5 applies per message assembled and edited.
- (D) When message detail is transmitted to or received from the customer, another telephone company or billing entity, a Call Record Provision charge will apply. For the purpose, a record is a logical grouping of information as described in the program that processes the information and loads the magnetic tape or data file. The rate, as specified in 8.1.5, applies per record transmitted or received. The Telephone Company will determine the Call Record Provision charge based on its count of the records transmitted or received.

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8. ANCILLARY SERVICES (Cont'd)

8.1 Billing and Collection Service (Cont'd)

8.1.4 Rate Regulations (Cont'd)

- (E) The Message Bill Processing Service charge applies whenever the Telephone Company performs the functions listed in 8.1.3(E). The rate for Message Bill Processing Service shall be the rate corresponding to the Message Bill Processing Service rate for such volume of messages as set forth in 8.1.5 on a calendar year basis. As used in this tariff, the term calendar year shall mean the period from January 1 through December 31 (both dates inclusive) of a given year. The Message Bill Processing Service rate band will be determined by the Telephone Company for each customer based on the total number of interstate and intrastate messages per year.

The Telephone Company will use the customer provided message capacity to determine the band and its associated rate, during the first year of the initial minimum period. During the first quarter of the next year, the customer and the Telephone Company will determine the actual volume of messages for which the Telephone Company performed Message Bill Processing Service. Such actual volumes shall be compared to the Message Bill Processing Service bands as set forth in 8.1.5 to determine which band such actual volume of messages fall. If the actual volume is greater than or less than customer provided message capacity, the actual volume will be multiplied by the appropriate band rate and compared to the billed volume to determine either a charge or credit. This charge or credit will be applied to the customer's subsequent bill.

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8. ANCILLARY SERVICES (Cont'd)

8.1 Billing and Collection Service (Cont'd)

8.1.4 Rate Regulations (Cont'd)

(E) (Cont'd)

For each year thereafter, the Telephone Company and the customer shall utilize the previous years actual volume of messages and the customer provided message capacity in an effort to determine the appropriate band for the next calendar year. In the first quarter of each year, the procedure described in the previous paragraph will be followed.

The rate, as specified in 8.1.5, applies per message processed. The bulk-billed message Bill Processing Service charge applies per WATS/800 message processed.

(F) Bill Rendering Service includes the functions listed in 8.1.3(F). The rate for Bill Rendering shall be the rate corresponding to the Bill Rendering Service rate for such volume of bills for a particular billing service as set forth in 8.1.5 on a calendar year basis. As used in this tariff, the term calendar year shall mean the period from January 1 through December 31 (both dates inclusive) of a given year. The Bill Rendering Service rate band is determined by the Telephone Company for each customer based on the total number of bills per year.

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8. ANCILLARY SERVICES (Cont'd)

8.1 Billing and Collection Service (Cont'd)

8.1.4 Rate Regulations (Cont'd)

(F) (Cont'd)

The Telephone Company will use the customer provided bill capacity to determine the band and its associated rate the first year of the initial minimum period. During the first quarter of the next year, the customer and the Telephone Company will determine the actual volume of bills for which the Telephone Company performed Bill Rendering Service. Such actual volumes shall be compared to the Bill Rendering Service Bands as set forth in 8.1.5 to determine which band such actual volume of bills fall. If the actual volume is greater than or less than the customer provided bill capacity, the actual volume will be multiplied by the appropriate band rate and compared to the billed volume to determine either a charge or credit. This charge or credit will be applied to the customer's subsequent bill.

For each year thereafter, the Telephone Company and the customer shall utilize the previous year's actual volume of bills and the customer provided bill capacity in an effort to determine the appropriate band for the next calendar year. In the first quarter of each year, the procedures described in the previous paragraph will be followed.

The rate, as specified in 8.1.5, applies per bill rendered. A factor, based on actual interstate and intrastate billed messages, will be used by the Telephone Company to apportion the Bill Rendering charge by jurisdiction.

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8. **ANCILLARY SERVICES (Cont'd)**

8.1 **Billing and Collection Service (Cont'd)**

8.1.4 **Rate Regulations (Cont'd)**

- (G) Message Investigation Service consists of the functions listed in 8.1.3(G). The rate, as specified in 8.1.5, applies per message investigated by the Telephone Company.
- (H) Billing Detail Plus consists of the functions listed in 8.1.3(H). The rate, as specified in 8.1.5, applies per message.
- (I) Premium Billing Service consists of the functions listed in 8.1.3(I). The rates, as set forth in 8.1.5, apply per message, per bill.
- (J) A Record Keeping charge applies for each end user account maintained by the Telephone Company for the customer. An end user account is a record which has a name and address and a unique billing identification number assigned by the Telephone Company to which a bill is rendered. The Record Keeping charge, as specified in 8.1.5, applies per month for each account and/or line maintained. A factor, based on actual interstate and intrastate billed messages, will be used to apportion the Record Keeping charge by jurisdiction.
- (K) An Exchange Carrier Memorandum (EC Memo) charge will be assessed each time the customer requests a manual adjustment to an end user account. The EC Memo charge, as specified in 8.1.5, applies per account adjusted per memo. When necessary, a factor (based on actual interstate and intrastate adjusted messages) will be used to apportion the EC Memo charge by jurisdiction.

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8. ANCILLARY SERVICES (Cont'd)

8.1 Billing and Collection Service (Cont'd)

8.1.4 Rate Regulations (Cont'd)

- (L) A Service Order Change Charge applies whenever a billing service order is accepted by the Telephone Company to update (i.e., add, change or delete) its billing file to implement the requested activity. The Service Order Change Charge, as set forth in 8.1.5, applies per order processed.
  
- (M) A Centralized Message Dispersion charge will apply when the Telephone Company provides a single point for the receipt of customer message data. The Telephone Company will receive, edit, sort, disperse and confirm the number of accepted billable messages and the total amount due the customer for services provided to its end users. In addition, the rated and/or unrated message data is dispersed to the appropriate location for further processing and/or billing. The rates, as set forth in 8.1.5, will apply per message processed. Call Record Provision charges, as set forth in 8.1.5, will apply for the receipt of each billable message and the transmission of each unbillable message. This charge does not apply to Premium Billing Service.
  
- (N) Inquiry Service includes the functions listed in 8.1.3(K). Inquiry Service consists of a bifurcated rate structure, a per message billed and a per adjustment rate. The Inquiry Service per message billed rate applies for each customer message billed by the Telephone Company. The per message adjustment rate applies for each occurrence of an adjustment made to an end user bill (account).

A PIU factor will be used by the Telephone Company to apportion the message adjustment rate by jurisdiction.

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**8. ANCILLARY SERVICES (Cont'd)**

**8.1 Billing and Collection Service (Cont'd)**

**8.1.5 Rates and Charges**

		<u>Rate</u>
(A)	Program Development, Per Hour.....	\$94.00
(B)	Program Implementation, Per Hour .....	55.00
(C)	Service Order Change Charge, Per Order .....	4.00
(D)	MTS/WATS/800 Services	
	(1) Call Recording Service, Per Message	.0150
	(2) Message Processing Service, Per Message	.0100
(3)	Assembly and Editing Service, Per Message	.0075
	(4) Bill Rendering Service, Per Bill	
	0 to 789,300	.3500
	789,301 to 1,140,100	.3000
	1,140,101 to 4,908,999	.2700
	4,909,000 to 5,260,000	.2500
	Over 5,260,000	.2300
	(5) Billing Detail Plus, Per Message	.0762
	(6) Message Investigation, Per Message	2.50
(E)	Call Record Provision Service	
	(1) Via Magnetic Tape, Per Message Record Transmitted or Received	.0100
	(2) Via Direct Interface, Per Message Record Transmitted or Received	.0020

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**8. ANCILLARY SERVICES (Cont'd)**

**8.1 Billing and Collection Service (Cont'd)**

**8.1.5 Rates and Charges (Cont'd)**

	<u>Rate</u>
(F) Message-Billed	
(1) Message Bill Processing Service, Per Message	
0 to 33,451,299	\$ .0762
33,451,300 to 44,601,799	.0400
44,601,800 to 66,902,699	.0200
66,902,700 to 78,053,099	.0170
78,053,100 to 100,353,999	.0170
100,354,000 to 122,655,000	.0160
Over 122,655,000	.0150
(2) Bulk-Billed, Per Message	.0200
(G) Premium Billing Service, Per Message	
(1) Messages Per End User Account, Per Month	
1 to 10 Messages	.0310
Over 10 Messages	.0190
(H) EC Memo, Per Account	10.00
(I) Record Keeping, Per Account	.0300
(J) Centralized Message Dispersion, Per Message	.0020
(K) Inquiry Service	
(1) Per Message Billed	.0078
(2) Per Adjustment	2.00

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**8. ANCILLARY SERVICES (Cont'd)**

**8.1 Billing and Collection Service (Cont'd)**

**8.1.5 Rates and Charges (Cont'd)**

(L) In accordance with 8.1.2(C)(1)(b), the rates and charges will be developed on an individual case basis and listed below.

(Reserved for Future Use)

(M) In accordance with 8.1.2(C)(2)(c), the rates and charges will be developed on an individual case basis and listed below.

(Reserved for Future Use)

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8. ANCILLARY SERVICES (Cont'd)

8.2 Directory Assistance Service

8.2.1 General

The Telephone Company will provide Directory Assistance Service to a customer from Directory Assistance Service locations.

Regulations, rates and charges as follow apply to Directory Assistance Service and shall not serve as a substitute for customer tariff offerings of services to end users. The provision of such Directory Assistance Service by the Telephone Company as set forth following does not constitute a joint undertaking with the customer for the furnishing of any service.

The Telephone Company's undertaking to provide Directory Assistance Service from this tariff is made in conjunction with intrastate services.

The regulations, rates and charges contained herein are in addition to the applicable regulations, rates and charges specified in other sections of this tariff and in other tariffs of the Telephone Company which are referenced herein. For Switched Access connections to the Directory Assistance Service location, the rates as set forth in Section 4 apply. For Special Access connections to the Directory Assistance Service location, the rates as set forth in Section 5 apply.

Switched Access connections to Directory Assistance service locations shall require the use of Switched Access Entrance Facilities and Direct-Trunked Transport. Switched Access Entrance Facilities provide the facilities and necessary interface between the customer's CDL and the serving wire center. Switched Access Direct-Trunked Transport provides the interoffice facilities between the serving wire center and the Directory Assistance service location. In addition to Directory Assistance rates described in this section, Entrance Facility and Direct-Trunked Transport rates are applied as described in Section 4.5.2(N)(2)(d) and 4.5.2(N)(2)(e).

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**8. ANCILLARY SERVICES (Cont'd)****8.2 Directory Assistance Service (Cont'd)****8.2.2 Description of Service**

Directory Assistance Service provides access to Directory Assistance Service locations, use of Directory Assistance Service equipment, and use of Directory Assistance operators. This function consists of Directory Assistance Service to a customer to enable end users to obtain local telephone numbers maintained by the Telephone Company.

**8.2.3 Undertaking of the Telephone Company****(A) Discontinuance and Refusal of Directory Assistance Service**

- (1) If the customer fails to comply with the provisions of this tariff, including any payments to be made by it on the dates or at the times herein specified, and fails within thirty (30) days after written notice via certified mail from the Telephone Company to an officer of the customer requesting payment for such noncompliance, the Telephone Company may discontinue the provision of the Directory Assistance Service. In case of such discontinuance, all applicable charges shall immediately become due.
- (2) If the customer repeatedly fails to comply with the provisions of this tariff in connection with the provision of Directory Assistance Service and fails to correct such course of action after notice as set forth in (1) preceding, the Telephone Company may refuse applications for additional Directory Assistance Service.

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8. ANCILLARY SERVICES (Cont'd)

8.2 Directory Assistance Service (Cont'd)

8.2.4 Obligations of the Customer

(A) Request for Service

Directory Assistance Service will be offered for a minimum period of six months. Three months prior to the end of the minimum period, or subsequent extension, the customer shall notify the Telephone Company, in writing, if the service is to be discontinued. If no notice is received from the customer, the Telephone Company shall assume that the service is extended for another six months.

(B) ASR Requirements

When Directory Assistance Service is ordered, the customer shall furnish the Telephone Company, for each NPA, and for each month in the order period, an estimate of the number of calls (call capacity) to be billed. At a minimum, the customer is required to revise this estimate semi-annually. More frequent revisions of the estimates may be submitted; however, no more than once per month.

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8. ANCILLARY SERVICES (Cont'd)

8.2 Directory Assistance Service (Cont'd)

8.2.5 Payment Arrangements

(A) Minimum Charges

After service has been provided for a period of 3 months the customer is subject to minimum monthly charges if in any month within the period ordered the actual call volumes are:

- less than 75% of any one of the previous months' actual calls in the period ordered, or
- less than 75% of the highest forecast in the period ordered, whichever is higher.

Applicability of minimum charges shall be made by comparing the actual call volumes to either the forecasted volumes or the previous months' actual call volumes, whichever is higher.

The minimum monthly charge is computed using the difference between the actual call volume for a month and the calculated minimum (i.e., 75% of the highest forecast or 75% of any previous months' actual), multiplied by the appropriate Directory Assistance Service charge, and then multiplied by 0.5.

(B) Minimum Period Disconnect Charges

If service is discontinued prior to the end of six months when Directory Assistance Service is ordered, then the customer shall be obligated to pay the Telephone Company nonrecoverable costs, less the net salvage value for any equipment and material provided or used, for the discontinued service. Such charges will be tariffed as they occur.

8. ANCILLARY SERVICES (Cont'd)

8.2 Directory Assistance Service (Cont'd)

8.2.6 Rate Regulations

- (A) The Telephone Company Directory Assistance operator, when furnished a name, will provide or attempt to provide the telephone number listed in the Telephone Company Directory Assistance records associated with the name given. The Telephone Company's contact with the end user shall be limited to such contact necessary to process an end user's request for a telephone number.
- (B) A maximum of two requests for telephone numbers will be processed per access to the Directory Assistance operator.
- (C) A telephone number which is not listed in Directory Assistance records will not be available to the end user.
- (D) The Telephone Company reserves the right to determine from which Directory Assistance Service location the service will be provided.
- (E) In the event that a telephone number is not listed in the Directory Assistance records and no number is provided, no credit applies for the call to the Directory Assistance operator.

The customer will receive credit allowances on Directory Assistance Service charges for FIA interruptions as set forth in 2.4.4.

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8. ANCILLARY SERVICES (Cont'd)

8.2 Directory Assistance Service (Cont'd)

8.2.6 Rate Regulations

(F) The Directory Assistance per call charge, as set forth in 8.2.7, applies for each call to a Directory Assistance service location. A chargeable call is one which has been answered by or forwarded to a Directory Assistance operator. The charge applies whether or not the Directory Assistance operator provides the requested telephone number. The number of calls answered or forwarded to Directory Assistance operators will be accumulated by the Telephone Company measuring equipment.

8.2.7 Rates and Charges

Directory Assistance Service	
Per Call Rate.....	\$0.2550

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**ACCESS SERVICE**

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**8. ANCILLARY SERVICES (Cont'd)**

**8.3 (Reserved for Future Use)**

**8.4 (Reserved for Future Use)**

**8.5 (Reserved for Future Use)**

**8.6 (Reserved for Future Use)**

**8.7 Operator Services**

Operator Services described in this Section will be provided to access customers as an optional feature in conjunction with Feature Group C (FGC) or Feature Group D (FGD), BSA-C or BSA-D Switched Access Services from designated Operator Services Switching locations in those MSAs where the Telephone Company has the capability to provide such services. Operator Services include Operator Transfer and Inward Operator Assistance functions which enable a customer to provide operator related services to their end users. A customer may order both Operator Transfer and Inward Operator Assistance Services or may order them individually.

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8. ANCILLARY SERVICES (Cont'd)8.7 Operator Services (Cont'd)8.7.1 General Description (Cont'd)(A) Operator Transfer Service

Operator Transfer Service is an originating service that provides call transfer of 0- (the digit 0 with no additional digits) interMSA calls to a participating customer as requested by the calling end user. Operator Transfer Service is provided when an end user dials "0" and is routed to the Telephone Company's operator and requests completion of an interMSA call. Operator Transfer Service provides for the routing of the call from the Telephone Company's Operator Services Switching Location to one customer designated location in the same MSA.

The Telephone Company operator will ask the end user to identify the customer to which they desire to be connected. The operator will then transfer the call to the designated customer.

If the end user has no preference, or the identified customer has not subscribed to Operator Transfer Service, the end user will be asked to select from a list of participating customers. The list of participating Operator Transfer Service customers will be updated monthly. The order in which participating customers will appear on the list will be initially determined by use of a random drawing. For each subsequent monthly update following the initial selection, the customer in the first position will be moved to the last position on the list. All other customers will be moved up one position. New Operator Transfer Service customers will be placed at the bottom of the list of participating customers pending the next monthly update.

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8. ANCILLARY SERVICES (Cont'd)

8.7 Operator Services (Cont'd)

8.7.1 General Description (Cont'd)

(B) Inward Operator Assistance Service

Inward Operator Assistance Service provides for operator assistance on inward calls received from a customer's operator. One Inward Operator Assistance function is provided as described below. Each call may include any combination of functions for the same telephone number. Only one telephone number per call will be handled by the operator.

(T)

(1) Reserved for Future Use

(D)

(2) .Reserved for Future Use

(D)

(3) Operator Assistance - The Telephone Company operator will provide the customer's operator with assistance or information regarding service conditions.



8. ANCILLARY SERVICES (Cont'd)

8.7 Operator Services (Cont'd)

8.7.2 Service Provisioning

- (A) The Telephone Company will provide Operator Transfer Service for calls originating from all end offices within the MSA served by a designated Operator Services Switching Location.

The Telephone Company will provide Inward Operator Assistance Service for calls associated with exchange service lines in end offices served by the Operator Services Switching Location.

A list of end offices served by the Operator Services Switching Location will be provided to the customer upon request.

- (B) Operator Services will be provided over FGC, FGD, BSA-C or BSA-D trunk groups, arranged for either one-way or two-way calling, from the Operator Services Switching Location to one customer designated location in the same MSA. Both Operator Transfer and Inward Operator Assistance traffic may be combined on the same trunk group.
- (C) Switched Access used in conjunction with Operator Services will be provisioned in accordance with the technical specifications and requirements set forth in Section 4 of this tariff.
- (D) Designated Telephone Company Operator Services Switching Locations are identified in the National Exchange Carrier Association Tariff FCC No. 4. The designated locations will be in those MSAs in which the Telephone Company is able to provide Operator Services.

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**8. ANCILLARY SERVICES (Cont'd)**

**8.7 Operator Services (Cont'd)**

**8.7.3 Rate Regulations**

Where the Telephone Company has measurement capability for Operator Services per call charges, the Telephone Company will bill the actual usage measured on a per call basis. For Operator Transfer Service, FGC, FGD, BSA-C or BSA-D access minutes will also be billed in addition to the per call charge.

When measurement capability is not available, the customer shall furnish a forecast of the number of calls (call capacity) anticipated for each month of the succeeding year by type of call (i.e., Operator Transfer and Inward Operator Assistance calls) and by Operator Services Switching Location at the time the order is placed. For mixed intrastate and interstate services, the customer's estimate shall include the percent of intrastate calls. At a minimum, the customer shall revise this forecast annually. More frequent revisions of the forecast may be submitted, however, no more than once per month.

Such estimates shall be used as a basis for billing the Operator Services per call charges until such time as the Telephone Company has actual measurement capability available. The customer shall maintain records supporting such estimates.

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8. ANCILLARY SERVICES (Cont'd)

8.7 Operator Services (Cont'd)

8.7.3 Rate Regulations (Cont'd)

(A) Operator Transfer Service

Operator Transfer Service Rate

The Operator Transfer Service Rate is assessed per 0- call transferred to a customer. A 0- call is considered transferred when the Telephone Company operator activates the transfer function sending the call to the designated customer.

Switched Access Charges

FGC or FGD Switched Access usage charges and Carrier Common Line Charges will also apply per minute of use for Operator Transfer Service.

(B) Inward Operator Assistance Service

Inward Operator Assistance Service includes the functions of Busy Line Verification, Busy Line Interrupt and Operator Assistance. The Inward Operator Assistance rate applies on a per call basis. Each call may include any combination of functions for the same telephone number. A call is considered an Inward Operator Assistance call when the call is received at the Telephone Company's operator position.

Switched Access Charges

FGC, FGD, BSA-C or BSA-D Switched Access usage charges do not apply to Inward Operator Assistance Service.

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**8. ANCILLARY SERVICES (Cont'd)**

**8.7 Operator Services (Cont'd)**

**8.7.4 Rates and Charges**

(A)	<u>Operator Transfer Service</u>	<u>Rate</u>	
	Per call transferred.....		\$ .35
(B)	<u>Inward Operator Assistance Service</u>		
	Per Call, per telephone number .....		\$ .65

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**9. Special Facilities Routing of FIA****9.1 Description of Special Facilities Routing of FIA**

The FIA provided under this tariff are provided over such routes and facilities as the Telephone Company may elect. Special routing is involved where, in order to comply with requirements specified by the customer, the Telephone Company provides Switched Access, Special Access, or Special Federal Government Services in a manner which includes one or more of the following conditions.

**9.1.1 Diversity**

Where two or more FIA must be provided over not less than two different physical routes. Diversity is a Basic Service Element (BSE) under the Telephone Company's Open Network Architecture (ONA) plan.

**9.1.2 Avoidance**

Where a FIA must be provided on a route which avoids specified geographical locations.

**9.1.3 Cable-Only Facilities**

Where certain voice grade FIA are provided on cable-only facilities to meet the particular needs of a customer. FIA is provided subject to the availability of cable-only facilities. In the event of FIA failure, restoration will be made through the use of any available facilities as selected by the Telephone Company.

Avoidance and Diversity are available on Switched Access as set forth in Section 4, Special Access as set forth in Section 5, and Special Federal Government Services as set forth in Section 11. Cable-only facilities are available for Switched Access as set forth in Section 4, voiceband Special Access as set forth in 5.2.1 and Special Federal Government Services as set forth in Section 11.

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**9. Special Facilities Routing of FIA (Cont'd)**

**9.1 Description of Special Facilities Routing of FIA (Cont'd)**

In order to identify any special routing requirement, the Telephone Company will provide the ordering customer with the required routing information for each specially routed FIA. If requested by the customer, this information will be provided when the FIA is installed and prior to any subsequent change in routing.

The rates and charges for Special Facilities Routing of FIA as set forth in 9.2 following are in addition to all other rates and charges that may be applicable for FIA provided under other sections of this tariff.

**9.2 Rates and Charges**

The rates and charges for Special Facilities Routing of FIA are as follows:

**9.2.1 Diversity**

For each FIA provided in accordance with 9.1.1 preceding, the rates and charges will be developed on an Individual Case Basis and filed following:

(Reserved for Future Use)

**9.2.2 Avoidance**

For each FIA provided in accordance with 9.1.2 preceding, the rates and charges will be developed on an Individual Case Basis and filed following:

(Reserved for Future Use)

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9. **Special Facilities Routing of FIA (Cont'd)**

9.2 **Rates and Charges (Cont'd)**

9.2.3 **Diversity and Avoidance Combined**

For each FIA provided in accordance with 9.1.1 and 9.1.2, combined, the rates and charges will be developed on an Individual Case Basis and are filed following:

(Reserved for Future Use)

9.2.4 **Cable-Only Facilities**

For each FIA provided in accordance with 9.1.3 preceding, the rates and charges will be developed on an Individual Case Basis and filed following:

(Reserved for Future Use)

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**10. SPECIAL CONSTRUCTION**

**10.1 General**

This section contains the regulations, rates and charges applicable for Special Construction of Telephone Company facilities which are used to provide FIA offered under this tariff.

When Special Construction of FIA is required, the provisions of this section apply in addition to regulations, rates and charges set forth in other sections of this tariff.

**10.1.1 Conditions Requiring Special Construction**

Special Construction is required when facilities are not available to meet a customer's ASR and one or more of the following conditions exist:

- The Telephone Company has no other requirement for the facilities constructed at the customer's request;
- The customer requests that FIA be furnished using a type of facility, or via a route, other than that which the Telephone Company would otherwise utilize in furnishing the requested FIA;
- The customer requests the construction of more facilities than is required to satisfy its ASR;
- The customer requests construction be expedited resulting in added cost to the Telephone Company;
- The customer requests that temporary facilities be constructed until permanent facilities are available.
- The customer requests construction of permanent facilities to be used for temporary Video broadcast service.

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**10. SPECIAL CONSTRUCTION (Cont'd)**

**10.1 General (Cont'd)**

**10.1.2 Filing of Charges**

Charges and liabilities for Special Construction will be filed in 10.4, 10.5 and 10.6 following.

When Special Construction is required under conditions that preclude the filing of charges in full accordance with the Illinois Commerce Commission Rules and Regulations (e.g., unavailability of cost details, short notice service date):

- (A) Notification will be made to the Illinois Commerce Commission that Special Construction will be provided in accordance with this tariff.
- (B) After charges have been filed and have become effective they will apply from the date that the Special Construction was provided.
- (C) Charges and/or Maximum Termination Liabilities for Special Construction of facilities provided by a Connecting Carrier are developed by the Connecting Carrier and are filed by the Telephone Company in this tariff on its behalf.
- (D) Regulations and charges for Special Construction of facilities provided by Other Participating Carriers are filed in their tariffs.

**10.1.3 Ownership of Facilities**

The Telephone Company retains ownership of all specially constructed facilities, except for those facilities constructed by connecting companies or carriers, even though the customer may be required to pay Special Construction charges.

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**10. SPECIAL CONSTRUCTION (Cont'd)****10.1 General (Cont'd)****10.1.4 Interval to Provide FIA**

Based on available information and the type of FIA ordered, the Telephone Company will establish a scheduled date for the installation of necessary facilities. The date will be established on an Individual Case Basis and provided to the customer. The Telephone Company will make every reasonable effort to assure that the date is met. However, circumstances beyond the Telephone Company's control (e.g., backorder of components) may force a reschedule, and a new completion date will be established with the customer when appropriate.

**10.1.5 Special Construction Involving Interstate and Intrastate FIA**

When Special Construction involves facilities used to provide both interstate and intrastate FIA, charges for the portion of the construction used to provide intrastate FIA shall be in accordance with this tariff. Charges for the portion of the construction used to provide interstate FIA shall be in accordance with the appropriate FCC tariff.

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**10. SPECIAL CONSTRUCTION (Cont'd)****10.2 Liabilities, Charges and Payments****10.2.1 General**

This section describes the various charges and liabilities that apply when the Telephone Company provides Special Construction of FIA, as outlined in 10.1.1 preceding, in accordance with a customer's specific request. Once the customer is notified of all charges and liabilities, the customer must provide the Telephone Company with written approval prior to the start of construction. If more than one condition requiring Special Construction is involved, charges for each condition apply (see Conditions Requiring Special Construction, 10.1.1 preceding).

**10.2.2 Payment of Charges**

Payment is due upon presentation of a bill for the specially constructed facilities.

**10.2.3 Start/End of Billing**

Billing of recurring charges for specially constructed FIA starts on the day after the FIA are provided. Billing accrues through and includes the day that the specially constructed FIA are discontinued. Monthly charges will be billed one month in advance.

**10.2.4 Partial Payments**

The Telephone Company will require a customer which has a proven history of late payments to the Telephone Company, or does not have established credit, to make a partial payment for the portion of the estimated cost of the Special Construction for which the customer is subject to a nonrecurring charge. Partial payments will be requested as costs are incurred and will be credited to the customer's account. Partial payments will not exceed the total nonrecurring charge to the customer for the Special Construction.

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**10. SPECIAL CONSTRUCTION (Cont'd)**

**10.2 Liabilities, Charges and Payments (Cont'd)**

**10.2.5 Development of Liabilities and Charges**

The customer has the option of accepting the liabilities and charges based on estimated or actual costs. Estimated costs will be used unless the customer notifies the Telephone Company of the selection of the actual cost option in writing prior to the start of Special Construction.

Under the estimated cost option, Special Construction liabilities and charges are developed based on estimated costs and will be filed in this tariff.

Under the actual cost option, if all actual costs are not available prior to the in-service date of the FIA, estimated Special Construction charges will be filed in this tariff. As soon as the actual costs, including costs of maintaining and filing these costs, are subsequently determined, the estimated charges will be adjusted to reflect the actual costs. The filed charges will then reflect actual costs existing at the time the FIA are provided.

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**10. SPECIAL CONSTRUCTION (Cont'd)****10.2 Liabilities, Charges and Payments (Cont'd)****10.2.6 Type of Contingent Liability**

Depending on the specifics associated with each individual case, the following Maximum Termination Liability may be applicable for Special Construction.

(A) Maximum Termination Liability

A MTL has two components, an amount and a specified period of time.

The amount is equal to all nonrecoverable costs, less the net salvage value, (e.g., depreciation, return, income tax associated with the specially constructed facilities). The amount will be amortized over the average account life of the specially constructed facilities. The standard liability period is the average account life of the Specially Constructed facilities expressed in years.

At the customer's option, an optional liability period shorter than the average account life may be established. If the customer chooses an optional liability period, the MTL amortization schedule will not change. The remaining MTL amount for the period between the expiration of the optional liability period and the expiration of the amortization schedule will be due as a lump sum payment (LS) at the time the optional liability period expires unless the case of Special Construction is extended.

Prior to the expiration of an optional liability period the customer has the option to (A) extend the use of the specially constructed FIA by establishing a new liability period, or (B) terminate the case of Special Construction and pay the lump sum payment.

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10. SPECIAL CONSTRUCTION (Cont'd)

10.2 Liabilities, Charges and Payments (Cont'd)

10.2.6 Type of Contingent Liability (Cont'd)

(A) Maximum Termination Liability (Cont'd)

The Telephone Company will notify the customer six months in advance of the expiration date of the optional liability period. The customer must provide the Telephone Company with written notification of its intentions to be received one month prior to expiration of the optional liability period. Failure to do so, and payment of the next month's charges, will result in extension of the case of the Special Construction and the establishment of a new liability period equal to the remaining amortization period. A Case Preparation Charge will always apply if the Special Construction case is extended.

The MTL and the liability period applicable to specific cases of Special Construction are as set forth in 10.4, 10.5, and 10.6 following.

(B) Reduction on Maximum Termination Liability

The time frames for MTL for Special Construction are expressed by an effective date and an expiration date. The MTL will be reduced for each month the Special Construction FIA is in service. For example, if the MTL period is 10 years, for each month in service the MTL would be reduced 1/120th.

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10. SPECIAL CONSTRUCTION (Cont'd)10.2 Liabilities, Charges and Payments (Cont'd)10.2.7 Types of Charges

Two categories of charges may be applicable for Special Construction. These charges are nonrecurring charges and recurring charges. These categories are described below.

(A) Nonrecurring Charges

One or more of the following nonrecurring charges may apply for each case of Special Construction: case preparation, termination, cancellation, expediting the construction, or optional payment charges.

(1) (Reserved for Future Use)

(2) Case Preparation Charge (GSEC) NASCCP

The charge for case preparation includes the administrative expense associated with preparing and listing the charges in the tariff. This expense includes such items as: (a) tariff preparation and processing, and (b) gross receipts taxes and surcharge taxes.

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**10. SPECIAL CONSTRUCTION (Cont'd)****10.2 Liabilities, Charges and Payments (Cont'd)****10.2.7 Types of Charges (Cont'd)****(A) Nonrecurring Charges (Cont'd)****(3) Termination Charge (GSEC) NASCT**

A Termination Charge applies when, at the customer's request, FIA provided on specially constructed facilities which have a tariffed Maximum Termination Liability are discontinued prior to the expiration of the liability period.

The charge reflects the unamortized portion of the nonrecoverable cost at the time of termination of the specially constructed FIA adjusted for tax effects, for net salvage and for possible reuse. Administrative costs associated with the specific case of Special Construction and any cost for restoring a location to its original condition are also included. Termination Charges will never exceed the MTL.

**(4) Cancellation Charge (GSEC) NASCC**

If the customer cancels an ASR with which Special Construction is associated prior to the in-service date of the FIA, a Cancellation Charge will apply. The charge will include all nonrecoverable costs, less the net salvage value, incurred by the Telephone Company up to and including the time of cancellation.

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10. **SPECIAL CONSTRUCTION (Cont'd)**

10.2 **Liabilities, Charges and Payments (Cont'd)**

10.2.7 **Types of Charges (Cont'd)**

(A) **Nonrecurring Charges (Cont'd)**

(5) **Expediting Charge** (GSEC) NASCE

An Expediting Charge applies when a customer requests that Special Construction be completed on an expedited basis. The charge is equal to the difference in the estimated cost of construction on an expedited basis and construction without expediting.

(6) **Optional Payment Charge** (GSEC) NASCOP

The customer may elect to pay an Optional Payment Charge when it requests Special Construction of facilities utilizing (1) a type of facilities or (2) a route other than that which the Telephone Company would otherwise utilize in furnishing the requested service. Payment of this charge will result in a lower recurring charge for the Special Construction. This election must be made in writing, before Special Construction starts.

If this election is coupled with the actual cost option, the Optional Payment Charge will reflect the actual cost of the specially constructed facilities.

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**ACCESS SERVICE****10. SPECIAL CONSTRUCTION (Cont'd)****10.2 Liabilities, Charges and Payments (Cont'd)****10.2.7 Types of Charges (Cont'd)****(A) Nonrecurring Charges (Cont'd)****(6) Optional Payment Charge (Cont'd)****(a) Development of Optional Payment Charge**

This charge is equal to the excess installed cost or the total nonrecoverable cost, whichever is less, (based on estimated or actual costs as elected by the customer.)

Example 1:

Total Installed Cost		\$30,000
Nonrecoverable	20,000	
Normal Installed Cost		17,000
Total Installed Cost		\$30,000
Minus Normal Installed Cost		17,000
Equals Excess Installed Cost		13,000
Optional Payment Charge		13,000
Nonrecoverable Cost		\$20,000
Minus Optional Payment Charge		13,000
Equals Investment for MTL Computation		7,000
Remaining Recoverable Excess Installed Cost		\$0

Since the total installed cost is \$30,000 and the normal installed cost would have been \$17,000, the nonrecurring charge (optional payment) is limited to the difference, (i.e., \$13,000). A Maximum Termination Liability would then be established to protect the remaining nonrecoverable cost of \$7,000 which is the difference between the total nonrecoverable cost (\$20,000) and the nonrecurring charge (\$13,000). The remaining excess installed cost in this example is zero. In addition, a recurring charge will be developed as set forth in 10.2.7 (B) following.

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10. **SPECIAL CONSTRUCTION (Cont'd)**

10.2 **Liabilities, Charges and Payments (Cont'd)**

10.2.7 **Types of Charges (Cont'd)**

(A) **Nonrecurring Charges (Cont'd)**

(6) **Optional Payment Charge (Cont'd)**

(a) **Development of Optional Payment Charge (Cont'd)**

Example 2:

Total Installed Cost	\$30,000
Nonrecoverable Cost	10,000
Normal Installed Cost	17,000

Total Installed Cost	\$30,000
Minus Normal Installed Cost	17,000
Equals Excess Installed Cost	13,000
Optional Payment Charge	10,000

Nonrecoverable Cost	\$10,000
Minus Optional Payment Charge	10,000
Equals Investment for MTL Computation	0
Remaining Recoverable Excess Installed Cost	3,000

The Optional Payment Charge is limited to the nonrecoverable cost. In this example the Optional Payment Charge equals the nonrecoverable cost. Therefore, there is no Maximum Termination Liability. In addition, a recurring charge will be developed as set forth in 10.2.7 (B) following.

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**10. SPECIAL CONSTRUCTION (Cont'd)****10.2 Liabilities, Charges and Payments (Cont'd)****10.2.7 Types of Charges (Cont'd)****(A) Nonrecurring Charges (Cont'd)****(6) Optional Payment Charge (Cont'd)****(b) Replacement Charge (GSEC) NASCR**

If any portion of the specially constructed FIA, for which an Optional Payment Charge has been paid, requires replacement involving capital investment, a charge for replacement will apply. This charge will be in the same ratio as the initial Optional Payment Charge was to the installed cost of the specially constructed FIA. The customer will be notified in writing that the replacement is required. Replacement will not be made without the customer's ASR. If any portion of the FIA subject to the replacement charge fails, the FIA will not be restored until the customer orders the replacement.

Example:

Original Total Installed Cost	\$30,000
Original Optional Payment Charge	\$15,000
Subsequent Cost of Replacement	\$ 2,000

Original Optional Payment Charge x	
<u>Replacement Cost</u>	
Total Installed Cost	

$\frac{\$15,000 \times \$2,000}{\$30,000} = \$1,000$
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Replacement Charge	\$ 1,000
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**10. SPECIAL CONSTRUCTION (Cont'd)**

**10.2 Liabilities, Charges and Payments (Cont'd)**

**10.2.7 Types of Charges (Cont'd)**

(B) Recurring Charges

(1) General

(a) These charges apply on a monthly or annual basis for specially constructed FIA. There are three conditions for which recurring charges apply:

- When a customer requests the construction of more facilities than are necessary to provide the FIA currently ordered.
- When a customer requests a facility route or type other than that which the Telephone Company would utilize to provide FIA.
- When a customer's request results in the Telephone Company leasing transmission or other equipment from private vendors to provide FIA (Lease Charge).

(b) In some cases, the customer may request that the Special Construction nonrecurring charge be amortized over the life of the Special Construction contract. In such cases, the Telephone Company will note the expiration of the recurring charge.

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**ACCESS SERVICE****10. SPECIAL CONSTRUCTION (Cont'd)****10.2 Liabilities, Charges and Payments (Cont'd)****10.2.7 Types of Charges (Cont'd)****(B) Recurring Charges (Cont'd)****(2) Excess Capacity Charge**

An Excess Capacity Charge applies when the customer requests more facilities be constructed than are required to satisfy the customer's ASR. The charge is based on the estimated cost difference between the facilities constructed at the customer's request and the facilities actually required to meet the customer's ASR.

Example:

A customer has an immediate FIA requirement which would require a 100 pair cable but requests the installation of a 300 pair cable to allow for growth.

Total Installed Cost (300 Pair)	\$2,500
Estimated Annual Cost	\$ 920
Estimated Installed Cost (100 Pair)	\$1,000
Estimated Annual Cost	\$ 368

Excess Recurring Charge:

Annually \$920 - \$368 = \$552

Monthly  $\frac{\$552}{12} = \$46$

This charge applies until such time as the customer orders sufficient FIA to necessitate use of a larger size cable (e.g., 200 pair cable). At that time the recurring charge is adjusted as indicated in the following example:

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**ACCESS SERVICE****10. SPECIAL CONSTRUCTION (Cont'd)****10.2 Liabilities, Charges and Payments (Cont'd)****10.2.7 Types of Charges (Cont'd)****(B) Recurring Charges (Cont'd)****(2) Excess Capacity Charge (Cont'd)**

Total Installed Cost (300 Pair)	\$2,500
Estimated Annual Cost	\$ 920
Estimated Installed Cost (200 Pair)	\$1,900
Estimated Annual Cost	\$ 683

Excess Recurring Charge:

Annually \$920 - \$683 = \$237

Monthly \$237  
12 = \$19.75

The charge is revised in this manner until the number of FIA being provided would require a 300 pair cable, at which time the Excess Capacity Charge is no longer applied. The charge would be reapplied if the number of FIA declined to a level which would not require a 300 pair cable.

Such charges will continue to apply to all facilities held in abeyance until the period of termination liability expires. If facilities are still held in abeyance after the termination liability expires, a new schedule of rates will be calculated and such rates will apply as long as facilities are held in abeyance for the customer.

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**10. SPECIAL CONSTRUCTION (Cont'd)****10.2 Liabilities, Charges and Payments (Cont'd)****10.2.7 Types of Charges (Cont'd)****(B) Recurring Charges (Cont'd)****(3) Charge for Route or Type Other Than Normal**

When the customer requests Special Construction using a route or type of FIA other than that which the Telephone Company would normally use, a recurring charge is applicable. The charge is the difference between the estimated recurring costs of the specially constructed FIA and the estimated recurring costs of the FIA the Telephone Company would normally use. The charge will be no greater than the recurring costs of the specially constructed FIA.

- (a) If the customer elects to pay an Optional Payment Charge, the portion of the recurring charge for the excess investment covered by the optional payment excludes capital cost items (depreciation, return on investment and Federal income tax on that return). The remaining recurring expense cost items associated with the optional payment (maintenance, administration, and other taxes) are increased by a ten percent management fee and will be included in the recurring charge.

The portion of any recurring charge associated with any remaining Special Construction investment will include both capital and expense costs. The ten percent management fee is not applied to this portion of the recurring charge.

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**10. SPECIAL CONSTRUCTION (Cont'd)**

**10.2 Liabilities, Charges and Payments (Cont'd)**

**10.2.7 Types of Charges (Cont'd)**

(B) Recurring Charges (Cont'd)

(3) Charge for Route or Type Other Than Normal (Cont'd)

(a) (Cont'd)

DEVELOPMENT OF RECURRING MONTHLY CHARGE FOR OPTIONAL PAYMENTS

For example 1 see 10.2.7(A)(6)(a)

	SPECIAL ROUTE OR TYPE FIA		NORMAL	
	A	B	C	D
Optional Payment Nonrecurring Charge For Special Const. FIA	\$13,000	Specially Constructed FIA Less Nonrecurring Charges \$17,000	Existing Facilities	Normal Route/Type Facilities \$17,000
1. Depreciation	-	1,122		408
2. Federal Income Tax and Return	-	2,142		2,346
3. Maintenance	1,131	1,479		799
4. Administration	455	595		595
5. Other Taxes	286	37		374
6. Sub Total	1,872	-	-	-
7. 10% x Line 6	187	-	-	-
8. Totals	(A) \$2,059	(B) \$5,712	(C)	(D) \$4,522

A + B = \$7,771  
A + B + C = 7,771  
(A + B + C) - D = 3,249

Excess Recurring Charge:\* Annually \$3,249.00  
Monthly \$ 270.75

\* The lower of (A+B+C)-D, or (A+B)

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**10. SPECIAL CONSTRUCTION (Cont'd)**

**10.2 Liabilities, Charges and Payments (Cont'd)**

**10.2.7 Types of Charges (Cont'd)**

(B) Recurring Charges (Cont'd)

(3) Charge for Route or Type Other Than Normal (Cont'd)

(a) (Cont'd)

For example 2 see 10.2.7(A)(6)(a)

	SPECIAL ROUTE OR TYPE FIA		NORMAL	
	A	B	C	D
Optional Payment Nonrecurring Charge For Special Const. FIA	\$10,000	Specially Constructed FIA Less Nonrecurring Charges \$20,000	Existing Facilities	Normal Route/Type Facilities \$17,000
1. Depreciation	-	1,320		408
2. Federal Income Tax and Return	-	2,520		2,346
3. Maintenance	870	1,740		799
4. Administration	350	700		595
5. Other Taxes	220	440		374
6. Sub Total	1,440	-	-	-
7. 10% x Line 6	144	-	-	-
8. Totals	(A) \$1,584	(B) \$6,720	(C)	(D) \$4,522

A + B = \$8,304  
A + B + C = 8,304  
(A + B + C) - D = 3,782

Excess Recurring Charge:\* Annually \$3,782.00  
Monthly \$ 315.17

\* The lower of (A+B+C)-D, or (A+B)

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10. **SPECIAL CONSTRUCTION (Cont'd)**

10.2 **Liabilities, Charges and Payments (Cont'd)**

10.2.7 **Types of Charges (Cont'd)**

(B) **Recurring Charges (Cont'd)**

(3) **Charge for Route or Type Other Than Normal (Cont'd)**

- (b) If the customer has elected the actual cost option, the recurring charge will be adjusted to reflect the actual cost of the new construction when the cost is determined. This adjusted recurring charge is applicable from the start of FIA.

(4) **Lease Charge** (GSEC) ASCL

A Lease Charge applies when the Telephone Company leases equipment, (e.g., portable microwave equipment) in order to provide FIA to meet the customer's requirements. The amount of the charge is the net added cost to the Telephone Company caused by the lease.

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**10. SPECIAL CONSTRUCTION (Cont'd)****10.2 Liabilities, Charges and Payments (Cont'd)****10.2.8 Application of Charges**

The charges for Special Construction are those charges which are in effect for the period that the Special Construction is furnished. If the charges for a period covered by a bill change after the bill has been rendered, the bill will be adjusted to reflect the new charges. Charges are based on Special Construction of (A) permanent FIA or (B) temporary FIA.

**(A) Special Construction of Permanent FIA****(1) Special Construction When Not Available and There is No Other Requirement for Them**

When permanent FIA are not available and the Telephone Company constructs them and there is no other Telephone Company need for the specially constructed FIA, a nonrecurring charge, and a Maximum Termination Liability may be applicable.

**(2) Special Construction Using a Route or Type of FIA Other Than Normal**

When the specially constructed FIA involve a route or type of FIA other than that which the Telephone Company would ordinarily use, charges are based on the difference between the estimated costs of the specially constructed FIA and those the Telephone Company would ordinarily use. A nonrecurring charge, a recurring charge, and a Maximum Termination Liability may be applicable.

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10. **SPECIAL CONSTRUCTION (Cont'd)**

10.2 **Liabilities, Charges and Payments (Cont'd)**

10.2.8 **Application of Charges (Cont'd)**

(A) **Special Construction of Permanent FIA (Cont'd)**

(3) **Special Construction of a Greater Quantity of FIA Than Necessary to Satisfy the Customer's Order for Service**

When the Telephone Company constructs more FIA than is required to satisfy the customer's ASR, additional charges will apply. These charges may include a nonrecurring charge, a recurring charge, and a Maximum Termination Liability.

(4) **Special Construction Expedited at Greater Cost Than Would Otherwise be Incurred**

When construction is expedited resulting in added costs, a nonrecurring Expediting Charge applies.

(B) **Special Construction of Temporary FIA Order**

When permanent FIA are not available and temporary FIA are constructed pending the construction of permanent FIA, a nonrecurring charge, and a Maximum Termination Liability may be applicable.

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**10. SPECIAL CONSTRUCTION (Cont'd)****10.3 Deferral of the In-Service Date of FIA****10.3.1 General**

The customer may request the Telephone Company to defer the in-service date of FIA on specially constructed FIA subject to the provisions as set forth in 3.2.2(B) preceding. If the deferral is not in compliance with the provisions as set forth in 3.2.2(A), the Special Construction case is considered to be cancelled and cancellation charges apply. Requests for deferral must be in writing and are subject to the following regulations.

**10.3.2 Construction Has Not Started**

If the Telephone Company has not incurred any costs (e.g., engineering and/or installation) before receiving the customer's request for deferral, no charge applies other than the Case Preparation Charge. However, the original quotation is subject to Telephone Company review at the time of reinstatement to determine if the original charges are still valid. Any change in liabilities and charges requires the concurrence of the customer in writing. Additional Case Preparation Charges will also apply.

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**10. SPECIAL CONSTRUCTION (Cont'd)****10.3 Deferral of the In-Service Date of FIA (Cont'd)****10.3.3 Construction Has Started But Is Not Complete**

If the construction of FIA has started, but has not been completed, before the Telephone Company receives the customer request for deferral, charges apply. The charges vary depending on whether all or some of the FIA ordered are deferred.

**(A) All FIA Are Deferred**

When all FIA involving Special Construction are deferred, a charge equal to the costs incurred during each month of the deferral applies. Those costs include the recurring costs for that portion of the FIA already completed and any other costs associated with the deferral. The Case Preparation Charge also applies.

**(B) Some But Not All FIA are Deferred**

When some, but not all, FIA utilizing the specially constructed FIA are deferred, the Special Construction case will be completed. Maximum Termination Liability will apply in addition to Case Preparation Charges and any recurring charges associated with the Special Construction.

**10.3.4 Construction Complete**

If the construction of FIA has been completed before the Telephone Company receives the customer's request for deferral, the Case Preparation Charge, as originally determined, will apply and any recurring charges associated with the Special Construction. The maximum termination liability period will begin when the customer accepts the service.

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**10. SPECIAL CONSTRUCTION (Cont'd)**

**10.4 Charges for Customers Choosing the Optional Liability Period to Provide Permanent FIA**

**10.4.1 (Reserved for Future Use)**

**10.4.2 Charges**

<u>Customer Name/ Effective Date</u>	<u>Description and Location</u>	<u>MTL/NRC MRC/LS</u>	<u>Telco</u>	<u>Expiration Date</u>
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(Reserved for Future Use)

**10.5 Charges for Customers Choosing the Standard Liability Period to Provide Permanent FIA**

This section contains the Special Construction charges to provide permanent FIA to individual customers. Charges are developed on an Individual Case Basis for a specific customer and filed in this section.

<u>Customer Name/ Effective Date</u>	<u>Description and Location</u>	<u>MTL/NRC MRC/LS</u>	<u>Telco</u>	<u>Expiration Date</u>
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**10. SPECIAL CONSTRUCTION (Cont'd)**

**10.6 Charges to Provide Temporary FIA**

This section contains the Special Construction charges to provide temporary facilities to individual customers. Charges are developed on an Individual Case Basis for a specific customer and filed in this section.

<u>Customer</u>	<u>Description and Location</u>	<u>Obligation</u>	<u>Effective Date</u>
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(Reserved for Future Use)

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**11. SPECIAL FEDERAL GOVERNMENT FIA**

**11.1 General**

This section covers FIA that are provided for use only by agencies or branches of the Federal Government and other users authorized by the Federal Government. FIA provided to state emergency operations centers are included. These FIA provide for command and control communications, including communications for national security, emergency preparedness and presidential requirements. They are required to assure continuity of Government in emergency and crisis situations and to provide for national security.

FIA for command and control communications and for national security and emergency preparedness are sometimes required within a short timeframe. These provisions are especially needed to meet presidential requirements or in response to natural, man made, or declared emergencies. Requirements of this type cannot be forecasted and are usually needed for a relatively short period. The provision of FIA under these conditions may require the availability of facilities, such as portable microwave equipment, etc., which are provided on a temporary basis.

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**11. SPECIAL FEDERAL GOVERNMENT FIA (Cont'd)**

**11.2 Emergency Conditions**

These FIA will be provided on the date requested or as soon as possible thereafter when the emergency falls into one of the following categories:

State of crisis declared by the National Command Authorities (includes commitments made to the National Communications System in the "National Plan for Emergencies and Major Disasters").

Efforts to protect endangered U.S. personnel or property both in the U.S. and abroad (includes space vehicle recovery and protection efforts).

Communications requirements resulting from hostile action, a major disaster or a major civil disturbance.

The Director (Cabinet level) of a Federal Department, Commander of a Unified/Specified Command, or Head of a Military Department has certified that a communications requirement is so critical to the protection of life and property or to the National Defense that it must be processed immediately.

Political unrest in foreign countries which affect the National Interest.

Presidential Service.

**11.3 Intervals to Provide FIA**

ASRs may be placed under the provisions set forth in 3.2.1 preceding.

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**11. SPECIAL FEDERAL GOVERNMENT FIA (Cont'd)**

**11.4 (Reserved for Future Use)**

**11.5 Safeguarding of FIA**

**11.5.1 (Reserved for Future Use)**

**11.5.2 FIA Availability**

In order to insure communications during periods of emergency, the Telephone Company will (within the limits of good management) make available the necessary facilities to restore FIA in the event of damage or to provide temporary emergency FIA.

In order to meet the requirements of agencies or branches of the Federal Government, the Telephone Company may utilize government-owned facilities, when necessary, to provide FIA.

**11.6 Federal Government Regulations**

FIA provided to the Federal Government will be billed in arrears, as required by Federal procurement or disbursement regulations, or as established by law. ICs providing service to the Federal Government are not entitled to the benefits of those laws or regulations providing for billing the Federal Government in arrears.

**11.7 (Reserved for Future Use)**

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**11. SPECIAL FEDERAL GOVERNMENT FIA (Cont'd)**

**11.8 FIA Offerings to the Federal Government**

The following FIA are provided only for agencies or branches of the Federal Government. Access Services provided to the Federal Government but not specified in the following will be provided in accordance with the regulations and at the rates contained in other sections of this tariff.

**11.8.1 Type and Description**

(A) Voiceband Special Access

(1) Voice Grade Secure Communications Type I

Approximate bandwidth of 10-50000 Hz. Furnished for two-point secure communications on two-wire or four-wire metallic facilities between two or more customer designated locations and an end user's premises. Special Access is conditioned as follows:

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11. SPECIAL FEDERAL GOVERNMENT FIA (Cont'd)

11.8 FIA Offerings to the Federal Government (Cont'd)

11.8.1 Type and Description (Cont'd)

(A) Voiceband Special Access (Cont'd)

(1) Voice Grade Secure Communications Type I (Cont'd)

T-3 Conditioning - The absolute loss (referenced to one milliwatt) with respect to frequency shall not exceed:

15 dB at 10 Hz  
13 dB at 100 Hz  
12 dB at 1000 Hz  
20 dB at 10000 Hz  
30 dB at 50000 Hz

Additional conditioning (available in one or two directions on four-wire facilities only) to provide the following characteristics:

The absolute loss (referenced to one milliwatt) with respect to frequency shall not exceed:

0 dB at 1000 Hz  
+ 1 dB between 1000 Hz and 40000 Hz  
+ 2 dB between 10 Hz and 50000 Hz  
(+ means more loss)

The net loss of the conditioned Special Access (with or without additional conditioning) shall not vary by more than 4 dB at 1000 Hz from the levels specified above. Voice frequency signaling or supervisory tones can be transmitted.

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11. **SPECIAL FEDERAL GOVERNMENT FIA (Cont'd)**

11.8 **FIA Offerings to the Federal Government (Cont'd)**

11.8.1 **Type and Description (Cont'd)**

(A) Voiceband Special Access (Cont'd)

(2) Voice Grade Secure Communications Type II

Approximate bandwidth 10-50000 Hz. Furnished on four-wire metallic facilities for duplex operation for two-point secure communication between a customer designated location and an end user's premises. Special Access is conditioned as follows:

G-1 Conditioning - The absolute loss with respect to frequency and the net loss variation shall be the same as Voice Grade Secure Communications Type I Special Access without additional conditioning. Voice frequency signaling or supervisory tones can be transmitted.

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**11. SPECIAL FEDERAL GOVERNMENT FIA (Cont'd)****11.8 FIA Offerings to the Federal Government (Cont'd)****11.8.1 Type and Description (Cont'd)****(A) Voiceband Special Access (Cont'd)****(3) Voice Grade Secure Communications Type III**

Approximate bandwidth 10-50000 Hz. Furnished on four-wire metallic facilities for duplex operation for two-point secure communication between a customer designated location and an end user's premises. Special Access is conditioned as follows: G-2 Conditioning - The absolute loss with respect to frequency and the net loss variation from the customer designated location to the end user's premises shall be the same as Voice Grade Secure Communications Type I, Special Access without additional conditioning; and from the end user's premises to the customer designated location shall be the same as Voice Grade Secure Communications Type I Special Access with additional conditioning. Voice frequency signaling or supervisory tones can be transmitted.

**(4) Voice Grade Secure Communications Type IV**

Approximate bandwidth 10-50000 Hz. Furnished on four-wire metallic facilities for duplex operations for two-point secure communications between two customer designated locations. Special Access is conditioned as follows:

G-3 Conditioning - The absolute loss with respect to frequency and the net loss variation shall be the same in both directions of transmission as Voice Grade Secure Communications Type I Special Access with additional conditioning. Voice frequency signaling or supervisory tones can be transmitted.

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11. **SPECIAL FEDERAL GOVERNMENT FIA (Cont'd)**

11.8 **FIA Offerings to the Federal Government (Cont'd)**

11.8.1 **Type and Description (Cont'd)**

(B) Special Wideband Digital Special Access

Special Access arrangements for secured communications to accommodate the transmission of binary digital baseband signals in a random polar format.

(1) Wideband Secure Communications Type I

For transmission at the rate of 18,750 bits per second.

(2) Wideband Secure Communications Type II

For transmission at the rate of 50,000 bits per second.

(3) Wideband Secure Communications Type III

To accommodate the transmission of restored polar two-level facsimile signals with a minimum signal element width of 20 microseconds at a rate of 50,000 bits per second.

To accommodate the transmission of binary digital baseband signals in a random polar format at the rate of 50,000 bits per second.

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**11. SPECIAL FEDERAL GOVERNMENT FIA (Cont'd)****11.8 FIA Offerings to the Federal Government (Cont'd)****11.8.1 Type and Description (Cont'd)****(C) Federal Payment Plan (FPP) - DS1/DS3****(1) Description**

The Federal Payment Plan (FPP) - DS1 or DS3 Service will be provided to the Federal Government or any customer awarded a contract, with a minimum three year period, to provide telecommunications service(s) for the exclusive use of the Federal Government and its authorized agents. The FPP will allow each of the Federal Government's authorized customers providing network services under contract to obtain DS1 and DS3 SALs at rates contained in this section. FPP DS3 Services will be filed under 11.8.3(D) on an Individual Case Basis (ICB). In addition to the specific terms and conditions of this plan, all other regulations in Section 5 pertaining to DS1 and DS3 Services are applicable.

**(2) FPP Enrollment**

At enrollment the customer, unless the customer of record is the Federal Government, will provide in writing, a description of the Federal Government contract, a forecast of services desired, and a term ending date which may be three years, five years, or six years not to exceed 15 years. If the option of six to fifteen years is chosen, the ending date must be the same as the government contract ending date.

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**11. SPECIAL FEDERAL GOVERNMENT FIA (Cont'd)****11.8 FIA Offerings to the Federal Government (Cont'd)****11.8.1 Type and Description (Cont'd)****(C) Federal Payment Plan (FPP) - DS1/DS3 (Cont'd)****(3) Adding Services to the Plan**

Except for FPP DS3 Service which is provided on an ICB basis, the customer may add DS1 services to the plan at any time during the term of the FPP. The services added will have the same term ending date.

**(4) Rebid Provision**

If as a result of a Federal Government contract rebid provision any DS1 services under an FPP are discontinued by the customer as a direct result of the rebid process, termination liabilities will not apply.

**(5) Mandated Site Closing**

If, as a result of a Federal Government mandated site closing, any DS1 or DS3 Services under the FPP are discontinued, termination liabilities will not apply.

**(6) CDL Change**

In the case where the government agency(s) at a current CDL chooses or is ordered to move to a new CDL, and the new CDL requires the same or more DS1, no termination liabilities will apply.

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**ACCESS SERVICE****11. SPECIAL FEDERAL GOVERNMENT FIA (Cont'd)****11.8 FIA Offerings to the Federal Government (Cont'd)****11.8.1 Type and Description (Cont'd)****(C) Federal Payment Plan (FPP) - DS1/DS3 (Cont'd)****(7) Change in Term**

Should the Federal Government extend their contract and the customer wants to extend the FPP to match the new contract, the customer shall provide written notice to the Telephone Company. The Telephone Company will extend the ending date to match the new contract date. If the term ends and the customer does not provide the Telephone Company with a new ending date within 90 days, the rates will be converted to the standard month-to-month rates. The same term originally established will be used when applying rates unless the customer qualifies for longer term rates based on the remaining life of the term.

**(8) Multiple Contracts**

Each customer that has contracts with the Federal Government may have multiple contracts and a different ending date for each Federal Government contract.

**(9) Upgrade to Higher Speed Service**

The customer may choose to upgrade service to a higher speed during the FPP period. The upgraded service will be subject to all appropriate NRCs. If the term selected for the higher speed service extends for a longer period than the remaining time of the FPP or seven years if there is more than seven years remaining on the FPP, no termination liabilities will apply.

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**ACCESS SERVICE****11. SPECIAL FEDERAL GOVERNMENT FIA (Cont'd)****11.8 FIA Offerings to the Federal Government (Cont'd)****11.8.1 Type and Description (Cont'd)****(C) Federal Payment Plan (FPP) - DS1/DS3 (Cont'd)****(10) Termination Liabilities**

Except for FPP DS3 Service, when an FPP service is discontinued prior to the end of the period, termination liability charges will apply based on the remainder of FPP period and the date of the disconnect. The termination liability rates shall be as follows:

<u>Year in Which Service is Discontinued</u>	<u>Liability Rate</u>
1 - 3	20%
4 - 15	10%

**(11) NRCs**

There will be no nonrecurring charges for DS1 SALs ordered for FPP Services. The NRC associated with an ICB for FPP DS3 Services will be filed under 11.8.3(D).

**(12) Rate Changes**

The FPP rates will be at or below the Term Payment Plan (TPP) rates if TPP is available in Section 5. The 6 to 15 year FPP rate will be less than the 5 year FPP rate.

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**11. SPECIAL FEDERAL GOVERNMENT FIA (Cont'd)**

**11.8 FIA Offerings to the Federal Government (Cont'd)**

**11.8.1 Type and Description (Cont'd)**

(D) (Reserved for Future Use)

(E) Switched Data Service

(1) Switched 56

This option provides for a connection capable of up to 56 Kbps digital transmission between the customer's CDL and a technically capable end office. Switched Data Service lines connected at those technically capable end offices will be accessed on a switched basis for digital transmission up to 56 Kbps. These locations are identified in the National Exchange Carrier Association, Inc., Tariff FCC No. 4 Wire Center and Interconnection Information.

This option is provided only with FGD or BSA-D as set forth in Section 4. This trunk group requires the use of a DS1 digital interface as described in Section 4.2.3(B)(6).

Access is made via the standard dialing pattern as set forth in Section 4.2.1(D)(8) and 4.2.2(D)(8).

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11. **SPECIAL FEDERAL GOVERNMENT FIA (Cont'd)**

11.8 **FIA Offerings to the Federal Government (Cont'd)**

11.8.1 **Type and Description (Cont'd)**

(E) **Switched Data Service (Cont'd)**

(2) Switched 64

This option provides for a connection capable of up to 64 Kbps digital transmission with clear channel capability between the customer's CDL and a technically capable end office. Clear Channel Capability allows for full bandwidth availability to the customer with no part of the channel used for control, framing or signaling.

Switched 64 requires all digital facility including the use of a DS1 digital interface as described in Section 4.2.3(B)(6) and is available only with FGD or BSA-D, as set forth in Section 4, from end offices capable of providing SS7 signaling, Bipolar with Eight Zero Substitution (B8ZS) line code format and Integrated Services Digital Network (ISDN) or other Switched Data based services. These locations are identified in the National Exchange Carrier Association, Inc., Tariff FCC No. 4 Wire Center and Interconnection Information.

Access is made via the standard dialing pattern as set forth in Section 4.2.1(D)(8) and 4.2.2(D)(8).

11.8.2 **Mileage Application**

Mileage for rate application is the airline distance measured between the two related Special Access terminating points (i.e., customer designated location and end user premises).

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**11. SPECIAL FEDERAL GOVERNMENT FIA (Cont'd)**

**11.8 FIA Offerings to the Federal Government (Cont'd)**

**11.8.3 Rates and Charges**

Notification will be made to the Illinois Commerce Commission that Special Federal Government FIA will be provided in accordance with Special Permission No. 83-867.

(A) Voiceband Special Access

The provision of T-3 and G conditioned Special Access contemplates station and tandem switching operations using customer provided equipment, as well as Special Access. Separate narrowband or voice grade Special Access, where required by the customer provided equipment or switching operation, are furnished in accordance with the applicable sections of this tariff.

<u>Voice Grade Secure Communications</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	<u>Termination Charges</u>
Type I, each T-3 Conditioning		ICB rates and charges apply	
Additional Conditioning, per Special Access termination		ICB rates and charges apply	
Type II, each G-1 Conditioning		ICB rates and charges apply	
Type III, each G-2 Conditioning		ICB rates and charges apply	
Additional Conditioning, per Special Access termination		ICB rates and charges apply	
Type IV, each G-3 Conditioning		ICB rates and charges apply	
Additional Conditioning, per Special Access termination		ICB rates and charges apply	

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**11. SPECIAL FEDERAL GOVERNMENT FIA (Cont'd)**

**11.8 FIA Offerings to the Federal Government (Cont'd)**

**11.8.3 Rates and Charges (Cont'd)**

(B) Special Wideband Digital Special Access

<u>Wideband Secure Communications</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	<u>Termination Charges</u>
Type I, each		ICB rates and charges apply	
Type II, each		ICB rates and charges apply	
Type III, each	ICB rates and charges apply		

(C) Federal Payment Plan (FPP) - DS1/DDS/Four-Wire Voiceband

Each Special Access Line

	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>	<u>Six to Fifteen Year Monthly Rate</u>
	<u>EU4DX</u>	<u>EU4DX</u>	<u>EU4DX</u>
	<u>1CKDX</u>	<u>1CKDX</u>	<u>1CKDX</u>
(1) DS1 Service	\$160.00	\$140.00	\$115.00
(2) DDS Service			
(a) 2.4, 4.8, 9.6, 19.2 Kbps	\$ 52.25	\$ 49.50	\$ 49.00
(b) 56, 64 Kbps	64.60	61.20	60.50
(3) Four-Wire Voice	\$ 28.15	\$ 26.67	\$ 26.58

(D) Federal Payment Plan (FPP) - DS3 Service

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**11. SPECIAL FEDERAL GOVERNMENT FIA (Cont'd)**

**11.8 FIA Offerings to the Federal Government (Cont'd)**

**11.8.3 Rates and Charges (Cont'd)**

**(E) Move Charges**

When a Special Access requiring T-3 conditioning, T-3 additional conditioning, or a Special Access requiring G conditioning as set forth in (A) preceding, is moved to a different building, the nonrecurring charge applies; when moved to a new location in the same building, a charge of one-half the nonrecurring charge applies.

When any FIA for which a termination charge is specified is moved and is installed at a new location the customer may elect:

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**11. SPECIAL FEDERAL GOVERNMENT FIA (Cont'd)**

**11.8 FIA Offerings to the Federal Government (Cont'd)**

**11.8.3 Rates and Charges (Cont'd)**

(E) Move Charges (Cont'd)

- (1) to pay the unexpired portion of the termination charge for the FIA, if any, with the application of a nonrecurring charge and the establishment of a new termination charge for such FIA at the new location, or
- (2) to continue the FIA subject to the unexpired portion of the termination charge, if any, and pay the estimated costs of moving such FIA, provided that the customer requests these charges be quoted prior to ordering the FIA move. Charges for moving such FIA will be based on estimated costs attributable to the move.

Move charges include the estimated costs of removal, restoration of FIA necessitated by the move, transportation, storage, reinstallation, engineering, labor, supervision, materials, administration, taxes, and any other specific items of cost directly attributable to the move.

(F) (Reserved for Future Use)

(G) (Reserved for Future Use)

(H) High Capacity DS1 Service

For Special Federal Government access arrangements, High Capacity DS1 SALs will be rated as set forth in Section 5 and/or Section 11.8.3(C) but will be offered with Clear Channel Capability as a nonchargeable option. Clear Channel Capability is described in 5.8.5.

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**12. PRIMARY INTEREXCHANGE CARRIER CHARGE (PICC)**

**12.1 General**

The Primary Interexchange Carrier charges (PICC) compensate the Telephone Company for Telephone Company provided common lines for access to end users.

The PICC is a flat-rated charge assessed on the end user's presubscribed carrier. End user customers who do not select a presubscribed carrier will be billed the PICC.

The PICC will not be reduced for residential Lifeline customers.

The PICC will be waived for residential Lifeline customers who are toll blocked.

**12.2 Rates and Charges**

	<u>RATE</u>
Monthly Rate, Per Presubscribed Primary Residence and Single Line Business Line	\$ 0.00
Monthly Rate, Per Presubscribed Multiline Business Line	0.00
Monthly Rate, Per Presubscribed ISDN-BRI Line and Non-Primary Residence Line	0.00
Monthly Rate, Per Presubscribed ISDN-PRI Arrangement	0.00
Monthly Rate, Centrex, Per Line	0.00

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**13. VIDEO CONNECTION SERVICE**

**13.1 General**

This Tariff section contains the description, regulations, and rates applicable to Video Connection Service furnished by the Company where facilities permit.

**13.2 Abbreviations**

- ATM - Asynchronous Transfer Mode
- Codec - Video Coder Decoder
- DCC - Digital Cross Connect
- Kbps - Kilobits per second
- Mbps - Megabits per second
- MCU - Video Multipoint Control Unit
- MRC - Monthly Recurring Charge
- NRC - Non-Recurring Charge
- NTSC - National Television Systems Committee
- SPOT - Switched Point of Termination
- VCAL - Video Connection Service Access Line

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13. **VIDEO CONNECTION SERVICE (Cont'd)**

13.3 **Description**

Video Connection Service is the movement, management, and control of moving pictures or video frames of information along with associated audio.

Video Connection Service is available in several transmission/quality levels which correspond to varying customer requirements for video services. These are:

Broadcast Quality  
Commercial Quality  
Business Quality

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**13. VIDEO CONNECTION SERVICE (Cont'd)****13.3 Description (Cont'd)****13.3.1 Broadcast Quality**

Video Connection Service Broadcast Quality provides transmission capability which supports a picture quality that meets or exceeds performance requirements for 525 line/60 field monochrome, or National Television Systems Committee (NTSC) color video signals. Video Connection Service Broadcast Quality transmits from one to four associated audio signals along with the video signal. Customers may select channel interface options to meet their specific requirements. Video Connection Service Broadcast Quality may employ two types of network facilities to complete the customer circuit. These two types of facilities are referred to as Type I and Type II in this tariff. Type II facilities are digital from the customer designated premises throughout the Company's network of wire centers and digital video hubs. Type I facilities are analog from the customer designated premises and throughout the Company's network facilities. Type II service uses high quality Codecs with a digital interface of 44.736 Mbps to support NTSC baseband video along with up to four associated audio channels with 15 KHz bandwidth. Because there is no industry standard algorithm for digital encoding Video Connection Service Broadcast Quality Type II television signals the receive codec must decode the proprietary algorithm used by the transmit codec. Although Type I service uses high quality analog transmit and receive units instead of digital ones, the lack of industry standards still requires that units on each end of the video path be compatible with each other's proprietary signaling algorithms. Type I service includes two audio channels with up to 15 KHz bandwidth.

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**13. VIDEO CONNECTION SERVICE (Cont'd)****13.3 Description (Cont'd)****13.3.2 Commercial Quality**

Video Connection Service Commercial Quality provides for transmission facilities which support a picture quality that is near the performance requirements of NTSC video but is not of as high a quality as Broadcast Quality video. A Video Connection Service Commercial Quality may employ one of two types of network facilities to complete the customer circuit. Type II service employs high quality codecs with a digital interface of 44.736 Mbps and digital network facilities from customer designated premises and throughout the Company's network of wire centers and digital video hubs to support the video signals and up to four audio channels with 15 KHz bandwidth. Type I service employs analog transmit and receive units along with analog network facilities between customer designated premises throughout the Company's network facilities to support video signals and two associated audio channels with 12 KHz bandwidth. Just as in the case of Broadcast Quality service, there are no industry standard algorithms for the transmission of analog or digitally encoded video signals. As a consequence, the codecs on each end of a video circuit must be compatible with each other's proprietary signaling protocol.

**13.3.3 Business Quality**

Video Connection Service Business Quality provides transmission facilities which utilize compressed video transmission techniques capable of transmitting good picture quality. A single audio channel with a frequency response to 7 KHz is provided with each video circuit. Video Connection Service Business Quality video is suitable for teleconferencing between two geographically separate locations. Video Connection Service Business Quality video is offered as Type II service which utilizes digital facilities to provide two-way, two-point service. Type II service uses a transmission bandwidth of 1.544 Mbps to support a picture quality that is visually comparable to commercial quality video, but has less stringent technical parameters.

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**13. VIDEO CONNECTION SERVICE (Cont'd)****13.3 Description (Cont'd)****13.3.4 Customer Provided Equipment**

By subscription to a Video Access Line the customer is provided with circuit equipment and outside plant facilities from the serving wire center to the customer's designated location and a codec at the designated location. The codec is the demarcation point between the Telephone Company's network and customer premises equipment. The customer must provide all customer premises equipment at each end of the network, such as cameras, monitors, audio and graphics equipment.

**13.3.5 Rate Elements**

The Video Connection Service is composed of the following basic rate elements:

- Video Connection Service Access Line (VCAL)
- Video Connection Service Access Port
- Video Connection Service Utilization
- Video Connection Service Premium Services

Video Connection Service offers two methods to reach the Video Connection Service resources that provide transport and some cases management and control of a video call. One, the Video Connection Service Access Line (VCAL) includes video-enabling equipment along with circuit and outside plant facilities to access the customer's serving wire center. The other, the Video Connection Service Access Port does not include the video-enabling equipment as part of the network service.

Each Video Connection Service interconnection between customer locations requires that at least one of the locations be served by a VCAL, to provide video transmission and/or reception and to allow the Company to monitor and meet the technical parameters of the service.

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**13. VIDEO CONNECTION SERVICE (Cont'd)****13.3 Description (Cont'd)****13.3.5 Rate Elements (Cont'd)**

Video Connection Service Utilization as provided for in this section of the tariff includes transport and termination of the interoffice transmission of the customer's Video Connection Service signals and may include, low and high level video switching elements, and video network customer control elements. Low and High level video switching elements refer to the use of Video Multipoint Control Units (MCU), Digital Cross Connect Units (DCC) or Asynchronous Transfer Mode (ATM) switching facilities. These switching facilities are included in the basic video network as required to meet Video Connection Service requirements.

Video Connection Service Premium Services are optional services that are not part of a basic video interconnection between customer locations. Video Connection Service Premium Services currently include Quad Split and Image Plus Still Frame. Quad Split allows one customer location to view the video transmissions from up to three other locations of a multipoint connection on a single monitor over a single Video Connection Service Access Line (VCAL). Image Plus Still Frame provides for the transmission of a still frame (such as a graphics overhead) and the motion video image over a single VCAL.

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**13. VIDEO CONNECTION SERVICE (Cont'd)**

**13.3 Description (Cont'd)**

**13.3.6 Ordering Service**

When Video Connection Service is ordered the customer selects a VCAL with consideration to the customer's specific video communications requirements. These requirements include, but are not limited to, the transmission parameters, the Video Connection Service Premium Services that are available with that type of access line and whether or not the desired service is a fixed point-to-point service or a switched service.

Each form of Video Connection Service is identified in this tariff as a type of Video Connection Service. The identification of a type of service as Broadcast, Commercial or Business Quality is not intended to limit a customer's use of that type of VCAL and the associated interoffice transmission (utilization). The type nomenclature is intended to only to provide general guidance as to the quality of video transmission and its typical use. So long as the components of Video Connection Service are utilized in the transmission, a customer can transmit any signals that his customer premises equipment (CPE) will support. For example, if the customer's CPE is capable of transmitting voice over a subscribed Video Connection Service there is no restriction against doing so provided that the components of the Video Connection Service are used in the transmission. The Company does not warrant such alternative use of the service nor guarantee that changes will not be made in the service that may negate these uses.

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13. VIDEO CONNECTION SERVICE (Cont'd)13.3 Description (Cont'd)13.3.7 Video Connection Service Access Line

The Video Connection Service Access Line (VCAL) rate applies for each customer designated location at which a VCAL is terminated. The charge will apply even if the CDL and the serving wire center are co-located in a Company building. The applicable VCAL rate is determined by the type of Video Connection Service that the customer orders and receives at his CDL. This VCAL rate provides for the Video Connection Service connection between the network demarcation point at the customer's premises and the Telephone Company's serving wire center. The Video Connection Service connection includes the appropriate video access line interface arrangement, circuit equipment and outside plant facilities. The standard video access line interface arrangement defines the technical characteristics associated with the type of facilities with which the video service will interconnect at its Point of Termination (POT) and the type of signaling capability, if any. The VCAL includes any video encoding device that maybe required to provide the service.

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**13. VIDEO CONNECTION SERVICE (Cont'd)****13.3 Description (Cont'd)****13.3.8 Video Connection Service Access Port**

The Video Connection Service Access Port rate applies for each Video Connection Service Access Port provided by the Company for the use of the customer. The Video Connection Service Access Port provides the customer with a point of entry to the Company's switched video network in those instances where a Video Connection Service Access Line cannot be provided. For example a customer whose CDL is located outside the MSA or outside the Telephone Company serving area within the MSA may use a Video Connection Service Access Port as a point of entry to the Company's switched video network. This would allow that customer to make video connections to other customers who have Video Connection Service through the Company's switched video network in that MSA. The customer must obtain the appropriate transport from his CDL to the Company's Video Connection Service Access Port and must present signals that are compatible with interface requirements of the VCALs to which he wants to connect.

The Video Connection Service Access Port includes a standard video access interface arrangement defining the technical characteristics associated with the type of facilities to which the video service is connected to and the type of signaling capability, if any. The Video Connection Service Access Port does not include any video encoding devices but may include devices to control and monitor the video service.

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**13. VIDEO CONNECTION SERVICE (Cont'd)****13.3 Description (Cont'd)****13.3.9 Video Connection Service Utilization**

The Video Connection Service Utilization rate applies per access line for usage of the Company's intraMSA interoffice network. The type of Video Connection Service Access Line determines the applicable Video Connection Service Utilization rate. This rate is an all inclusive utilization rate for an access line providing switched video service. In the case of an access line providing point-to-point service this rate is comprised of termination and transport rates. The termination and transport rates applicable for point-to-point type video services that are not found in this section of the tariff (as in the case of Business Quality Connect) must be ordered from the Section 5, Special Access. A customer using Business Quality Connect point-to-point services would order Video Connection Service Access Lines from this section of the tariff and appropriate Special Access Service for interoffice network transport and termination of his video signals.

**13.3.10 Video Connection Service Premium Services**

The Video Connection Service Premium Services Quad Split and Image Plus Still Frame are optional services that are not part of a basic video interconnection between customer locations. The rate for these optional services applies to each access line for which they are ordered. Quad Split allows one customer location to view the video transmissions from up to three other locations of a multipoint connection on a single monitor over a single Video Connection Service Access Line. Image Plus Still Frame provides for the transmission of a still frame (such as a graphics overhead) and the motion video image over a single Video Connection Service Access Line.

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13. **VIDEO CONNECTION SERVICE (Cont'd)**

13.3 **Description (Cont'd)**

13.3.11 **Special Construction**

Special Construction charges as provided for in Section 10 will apply in those instances where the customer orders video service where suitable facilities are not available. If the customer orders video services not provided for in this tariff, Special Assembly rates and charges will apply. Special construction charges consisting of labor and material charges may apply for upgrades to fiber facilities.

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**13. VIDEO CONNECTION SERVICE (Cont'd)****13.4 Regulations****13.4.1 Responsibilities of the Company**

- (A) The Company's responsibility will be limited to the furnishing of Video Connection Service facilities suitable for the Video Connection Service connection. The Company is not responsible for the installation, operation or maintenance of any equipment provided by the customer.
- (B) The Company reserves the right to temporarily interrupt Video Connection Service to maintain the video equipment. Maintenance will be performed during hours that will minimize the impact of disruptions to customers. In addition, negotiated unscheduled or emergency situations may necessitate additional interruption time.

**13.4.2 Limitations/Availability**

- (A) Video Connection Service will only be offered where Company facilities/equipment permit. Special Construction Charges may apply.
- (B) Video Connection Service as provided for in this tariff is available only between Telephone Company customer locations within the same MSA except as noted below. The customer may obtain appropriate services from an Interexchange Carrier to interconnect his Video Connection Service locations to other video service locations outside the MSA. Similarly a customer utilizing Type II Broadcast Quality Connect Service or Type II Commercial Quality Connect Service can obtain access to a location outside the Telephone Company serving area or outside the MSA by obtaining appropriate service from that location to a Video Connection Service Access Port on the Company's switched video network.

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13. **VIDEO CONNECTION SERVICE (Cont'd)**

13.4 **Regulations (Cont'd)**

13.4.2 **Limitations/Availability (Cont'd)**

- (C) A Video Connection Service Access Port can only be used to interconnect to a customer location that is not located in the Company's serving area within the MSA or is outside the MSA.
- (D) The Video Connection Service Utilization Transport (interoffice) for Broadcast Quality Connect Type I and Commercial Quality Connect Type I is limited to a maximum of 25 airline miles.
- (E) The minimum service period is one year except as specified else where within this tariff.

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13. **VIDEO CONNECTION SERVICE (Cont'd)**

13.4 **Regulations (Cont'd)**

13.4.3 **Application of Rates**

(A) The following rate elements apply to Video Connection Service:

(1) Video Connection Service Access Line

(a) Broadcast Quality Connect  
Type I  
Transmit  
Receive  
Type II Transceive

(b) Commercial Quality Connect  
Type I  
Transmit  
Additional Transmit  
Receive  
Additional Receive  
Type II Transceive

(c) Business Quality Connect  
Type II Transceive

(2) Video Connection Service Access Port

(a) Broadcast Quality Connect  
Type II

(b) Commercial Quality Connect  
Type II

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13. **VIDEO CONNECTION SERVICE (Cont'd)**

13.4 **Regulations (Cont'd)**

13.4.3 **Application of Rates (Cont'd)**

(A) The following rate elements apply to Video Connection Service: (Cont'd)

(3) Video Connection Service Utilization

(a) Broadcast Quality Connect  
Type I Transport (per mile)  
Type II

(b) Commercial Quality Connect  
Type I Transport (per mile)  
Type II

(c) Business Quality Connect  
Type II  
Transport - (DS1 Transport)  
Termination - (DS1 Termination)

(4) Video Connection Service Premium Services

(a) Quad Split

(b) Image Plus Still Frame

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**13. VIDEO CONNECTION SERVICE (Cont'd)****13.4 Regulations (Cont'd)****13.4.3 Application of Rates (Cont'd)****(B) Video Connection Service Access Line****(1) Broadcast Quality Connect Type I**

The Type I Broadcast Quality Connect Video Connection Service Access Line is a one way facility. The customer must order a Transmit access line to transmit video signals over the Company's network facilities. Similarly the customer must order a Receive access line to receive video signals over the Company's facilities. If the customer requires both transmit and receive capability at the same premises then the customer must order both a Transmit and a Receive access line.

**(2) Broadcast Quality Connect Type II**

The Type II Broadcast Quality Connect Video Connection Service Access Line is a bidirectional facility. The customer ordering this type of access line will be provided with a facility capable of providing simultaneous transmission and reception of video signals to and from the switched point of termination (SPOT). The SPOT will be either another Type II Broadcast Quality Connect Video Connection Service Access Line or a Video Connection Service Access Port within the same MSA.

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**13. VIDEO CONNECTION SERVICE (Cont'd)****13.4 Regulations (Cont'd)****13.4.3 Application of Rates (Cont'd)**

(B) Video Connection Service Access Line (Cont'd)

(3) Commercial Quality Connect Type I

The Type I Commercial Quality Connect Video Connection Service Access Line is a unidirectional facility. The customer must order a Transmit access line to transmit video signals over the Company's network facilities. Similarly the customer must order a Receive access line to receive video signals over the Company's facilities. If the customer requires both transmit and receive capability at the same premises then the customer must order both a Transmit and a Receive access line. The first Transmit or the first Receive access line that the customer orders for a customer designated location will be provided at the "First System" rate. Subsequent Transmit or Receive access lines that the customer orders for the same CDL will be provided at the "Additional System" rate unless the total access lines (systems) exceeds sixteen. If the total number of access lines exceeds sixteen then the seventeenth and every subsequent seventeenth access line will be rated as a "First System" with the others rated as "Additional Systems."

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13. **VIDEO CONNECTION SERVICE (Cont'd)**

13.4 **Regulations (Cont'd)**

13.4.3 **Application of Rates (Cont'd)**

(B) Video Connection Service Access Line (Cont'd)

(4) Commercial Quality Connect Type II

The Type II Commercial Quality Connect Video Connection Service Access Line is a bidirectional facility. The customer ordering this type of access line will be provided with a facility capable of providing simultaneous transmission and reception of video signals to and from the switched point of termination (SPOT). The SPOT will be either another Type II Commercial Quality Connect Video Connection Service Access Line or a Video Connection Service Access Port within the same MSA.

(5) Business Quality Connect Type II

The Type II Business Quality Connect Video Connection Service Access Line is a bidirectional facility. The customer ordering this type of access line will be provided with a facility capable of providing simultaneous transmission and reception of video signals to and from another such access line or similar facility over DS1 facilities.

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13. **VIDEO CONNECTION SERVICE (Cont'd)**

13.4 **Regulations (Cont'd)**

13.4.3 **Application of Rates (Cont'd)**

(C) Video Connection Service Access Port

(1) Broadcast Quality Connect Type II

The Type II Broadcast Quality Connect Video Connection Service Access Port is a bidirectional facility. A customer may only order this type of access to the Company's switched video transport facilities to terminate transport of compatible video signals from outside the Company's serving area within the MSA or from outside the MSA. This facility may not be ordered in lieu of a Video Connection Service Access Line (VCAL) under circumstances where the Company has tariff authority to provide a VCAL.

(2) Commercial Quality Connect Type II

The Type II Commercial Quality Connect Video Connection Service Access Port is a bidirectional facility. A customer may only order this type of access to the Company's switched video transport facilities to terminate transport of compatible video signals from outside the Company's serving area within the MSA or from outside the MSA. This facility may not be ordered in lieu of a Video Connection Service Access Line (VCAL) under circumstances where the Company has tariff authority to provide a VCAL.

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13. **VIDEO CONNECTION SERVICE (Cont'd)**

13.4 **Regulations (Cont'd)**

13.4.3 **Application of Rates (Cont'd)**

(D) Video Connection Service Utilization

Video Connection Service Utilization may only be ordered in conjunction with a Video Connection Service Access Port.

(1) Broadcast Quality Connect Type I

Type I Broadcast Quality Connect Utilization provides for the interoffice transport and termination of signals originating from and/or terminating to Type I Broadcast Quality Connect VCALs. The monthly charges (MRCs) for the Transport rate element are assessed on a per airline mile basis. Fractional parts of miles are rounded to the next higher mile before making the rate computation. The transport distance is limited to a maximum of 25 airline miles.

(2) Broadcast Quality Connect Type II

Type II Broadcast Quality Connect Utilization provides for the switching, interoffice transport and termination of signals originating from and terminating to Type II Broadcast Quality Connect VCALs or Access Ports. The Video Connection Service Utilization NRC and MRC is assessed for each VCAL and each Access Port.

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**13. VIDEO CONNECTION SERVICE (Cont'd)****13.4 Regulations (Cont'd)****13.4.3 Application of Rates (Cont'd)**

(D) Video Connection Service Utilization

(3) Commercial Quality Connect Type I

Type I Commercial Quality Connect Utilization provides for the interoffice transport and termination of signals originating from and/or terminating to Type I Commercial Quality Connect VCALs. The MRC portion of the Transport rate element is assessed on a per airline mile basis. Fractional parts of miles are rounded to the next higher mile before making the rate computation. The transport distance is limited to a maximum of 25 airline miles.

(4) Commercial Quality Connect Type II

Type II Commercial Quality Connect Utilization provides for the switching, interoffice transport and termination of signals originating from and terminating to Type II Commercial Quality Connect Video Connection Service Access Lines (VCALs) or Access Ports. The Video Connection Service Utilization NRC and MRC is assessed for each VCAL and each Access Port.

(5) Business Quality Connect Type II

Type II Business Quality Connect Utilization provides for the interoffice transport and termination of signals originating from or terminating to Type II Commercial Quality Connect VCALs. Business Quality Connect Utilization is provided by DS1 Service as shown in Section 5.

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13. **VIDEO CONNECTION SERVICE (Cont'd)**

13.4 **Regulations (Cont'd)**

13.4.3 **Application of Rates (Cont'd)**

(E) Video Connection Service Premium Services

(1) Quad Split

Quad Split is an optional enhancement to standard Type II Commercial Quality Connect Service. The Quad Split rate is applied on a per VCAL or per Access Port basis. This rate applies in addition to the regular VCAL or Access Port rate.

(2) Image Plus Still Frame

Image Plus Still Frame is an optional enhancement to standard Business Quality Connect Type II Services. The Image Plus Still Frame rate is applied on a per Video Connection Service Access Line (VCAL) basis. This rate applies in addition to the regular VCAL rate.

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13. **VIDEO CONNECTION SERVICE (Cont'd)**

13.5 **General Rate Regulations**

13.5.1 **Moves**

When a customer requests a move or relocation of a VCAL or Access Port, this move or relocation will be treated as a termination of the existing service and the establishment of a new service for the application of all charges.

13.5.2 **Cancellation or Change for Application for Service**

When an application for service is canceled or changed in whole or in part:

- After the completion of installation, but prior to the establishment of service

The customer is required to pay all nonrecurring and minimum charges which would apply had service been established.

- Prior to the completion of installation

The customer may be required to pay the costs incurred by the Company but not exceeding the amount that would be charged above.

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**13. VIDEO CONNECTION SERVICE (Cont'd)****13.5 General Rate Regulations (Cont'd)****13.5.3 Custom Payment Plans**

At the request of a customer the Company may at its option offer a Custom Payment Plan that provides a payment schedule that has a net present value equal to the net present value of the nonrecurring charges and monthly charges that would otherwise be payable under the contract period selected. The net present value computations shall be made utilizing the Company's Authorized Rate of Return. The NRCs associated with a Custom Payment Plan will not be less than twenty five percent (25%) of the nonrecurring charges shown in 13.6. Such Custom Payment Plan methodology may be used to provide a Custom Payment Plan with an NRC and a zero MRC. In any instance, the Custom Payment Plan provides only for service during the specified contract period and does not give the customer ownership of or equity in the facilities that the Company provides in the provision of the service(s).

**13.5.4 Expiration of Contract Period**

If the customer's contract period expires and the customer has not canceled his service or established a new contract with the Company, the customer's service shall be continued under a month-to-month contract at the monthly rate(s) specified in this tariff for the contract term that has just expired. This procedure will continue the customer's service with no change in monthly rates except in those instances when the expired contract was under a Custom Payment Plan.

When one contract period ends and a new one begins the customer, begins paying the MRC for the new contract period. The NRC is not accessed again unless the customer has required the Company to change the service in some way or unless service has been discontinued between the expiration of the old contract and the initiation of the new contract.

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**ACCESS SERVICE****13. VIDEO CONNECTION SERVICE (Cont'd)****13.6 Rates And Charges**

The following rates and charges apply for Video Connection Service.

	Nonrecurring Charge	Monthly Rate			
		One Year	Three Year	Five Year	Seven Year
<b>13.6.1 Video Connection Service Access Line</b>					
(A) Broadcast Quality Connect					
Type I					
Transmit	\$1,500.00	\$640.00	\$580.00	\$515.00	\$465.00
Receive	1,500.00	640.00	580.00	515.00	465.00
Type II					
Transceive	\$9,500.00	2,880.00	2,580.00	2,225.00	2,000.00
(B) Commercial Quality Connect					
Type I					
Transmit-First System	650.00	640.00	580.00	515.00	465.00
Transmit-Add'l System(s)	280.00	285.00	260.00	230.00	205.00
Receive-First System	650.00	640.00	580.00	515.00	465.00
Receive-Add'l System(s)	280.00	285.00	260.00	230.00	205.00
Type II					
Transceive	2,200.00	1,385.00	1,250.00	1,110.00	995.00

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13. **VIDEO CONNECTION SERVICE (Cont'd)**

13.6 **Rates And Charges (Cont'd)**

13.6.1 **Video Connection Service Access Line**

		Monthly Rate			
	Nonrecurring Charge	One Year	Three Year	Five Year	Seven Year
(C) Business Quality Connect					
Type II					
Transceive	2,300.00	1,465.00	1,320.00	1,175.00	1,135.00
(GSEC) VCALBUNRC		VCALBU2-1	VCALBU2-3	VCALBU2-5	VCALBU2-7

13.6.2 **Video Connection Service Access Port**

(A) Broadcast Quality Connect

Type II	100.00	100.00	100.00	100.00	100.00
(GSEC) VCAPNRC		VCAPBR	VCAPBR	VCAPBR	VCAPBR

(B) Commercial Quality Connect

Type II	100.00	100.00	100.00	100.00	100.00
(GSEC) VCAPNRC		VCAPCO	VCAPCO	VCAPCO	VCAPCO

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**13. VIDEO CONNECTION SERVICE (Cont'd)**

**13.6 Rates And Charges (Cont'd)**

The following rates and charges apply for Video Connection Service.

<u>Nonrecurring Charge</u>	<u>Monthly Rate</u>			
	<u>One Year</u>	<u>Three Year</u>	<u>Five Year</u>	<u>Seven Year</u>

**13.6.3 Video Connection Service Utilization**

(A) Broadcast Quality Connect

Type I (GSEC) VCTRBR1NRC	\$ 150.00				
Transport (per mile) (GSEC)	\$ 37.50 VCTRBR1	\$ 37.50 VCTRBR1	\$ 37.50 VCTRBR1	\$ 37.50 VCTRBR1	\$ 37.50 VCTRBR1
Type II (GSEC)	None	950.00 VCUTBR2	950.00 VCUTBR2	950.00 VCUTBR2	950.00 VCUTBR2

(B) Commercial Quality Connect

Type I (GSEC) VTRCO1NRC	150.00				
Transport (per mile) (GSEC)	37.50 VTRCO1	37.50 VTRCO1	37.50 VTRCO1	37.50 VTRCO1	37.50 VTRCO1
Type II (GSEC)	None	950.00 VCUTCO2	950.00 VCUTCO2	950.00 VCUTCO2	950.00 VCUTCO2

(C) Business Quality Connect

Type II See Section 5, DS1 Rates and Charges

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13. **VIDEO CONNECTION SERVICE (Cont'd)**

13.6 **Rates And Charges (Cont'd)**

13.6.4 **Video Connection Service Premium Services**

		<u>Monthly Rate</u>				
		<u>Nonrecurring Charge</u>	<u>One Year</u>	<u>Three Year</u>	<u>Five Year</u>	<u>Seven Year</u>
(A) Quad Split	None		\$1,450.00	\$1,450.00	\$1,450.00	\$1,450.00
	(Commercial Type II only)					
	(GSEC)		VCQS	VCQS	VCQS	VCQS
 (B) Image Plus Still Frame						
Business Quality						
Type II	150.00	300.00	300.00	300.00	300.00	300.00
	(GSEC) VCIPNRC	VCIP2	VCIP2	VCIP2	VCIP2	VCIP2

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**14. EXCEPTIONS TO FIA OFFERINGS**

**14.1 General**

The FIA/Services offered under the provisions of this tariff are subject to availability as set forth in 2.1.4 preceding.

**14.2** The following items are offered only to existing ICs and/or end users at their existing points of presence and/or premises, respectively, associated with existing FIA arrangements:

(Reserved for future use)

**14.3** The following items are offered only to existing ICs and/or end users at their existing points of presence and/or premises, respectively, associated with existing FIA arrangements and to fill out existing capacity:

(Reserved for future use)

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15. RESERVED FOR FUTURE USE

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Citizens Communications Company  
21 West Ave.  
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15. RESERVED FOR FUTURE USE (Cont'd)

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15. RESERVED FOR FUTURE USE (Cont'd)

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15. RESERVED FOR FUTURE USE (Cont'd)

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15. RESERVED FOR FUTURE USE (Cont'd)

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**ACCESS SERVICE**

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15. RESERVED FOR FUTURE USE (Cont'd)

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**ACCESS SERVICE**

**16. ADVANCED COMMUNICATIONS NETWORKS**

**16.1 General**

- (A) This section contains the rules and regulations pertaining to the provision of Packet Switching Network Service and Frame Relay Service <sup>1</sup>. The regulations and rates specified herein are in addition to the applicable regulations and rates specified in other sections of this tariff. (C)

The following is a list of Open Network Architecture (ONA) Packet Service Basic Service Elements (BSEs) which provide a cross-reference to the generic ONA product names.

(B)	<u>Generic Name</u>	<u>Citizens Name</u>
	Fast Select Acceptance - Packet	Fast Select
	Fast Select Request - Packet	Fast Select

(C) Administrative Changes

Administrative changes to existing service 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 name of record changes its name, e.g., XYZ Company to XYZ Communications,
- Change of customer premises address when the change of address is not a result of a physical relocation of facilities,
- Change in billing data (name, address or contact name or telephone number),
- Change of customer contact name or telephone number, and
- Change of customer service element identification,
- Change of jurisdiction involving no physical changes to the service.

<sup>1</sup> Effective June 3, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for [Frame Relay] Service. Upon service term expiration, this service will transition to a Month-to-Month service arrangement.

(N)  
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(N)

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**16. ADVANCED COMMUNICATIONS NETWORKS (Cont'd)****16.1 General (Cont'd)****(D) Moves**

A move involves a change in the physical location of the point of termination of service. A move normally involves an interruption of service for the period required to complete the move. No credit allowance will be granted for that period. Special construction as set forth in Section 10 may also be applicable at the different CDL.

A customer may request that service not be interrupted during a move. To comply with that request it may be necessary to install a duplicate service, and subsequently discontinue the existing service. Charges, monthly and nonrecurring, will apply for the duplicate service. A new minimum period will be established for the duplicate portion of the service, depending on which end of the service is moved. The customer will remain responsible for all minimum period charges associated with the corresponding portion of the disconnected service.

The charge for the move depends on whether the move is within the same CDL or to a different CDL.

**(1) Same CDL**

When the move of a termination of FIA, as defined in Section 2.1.5 is to a new point within the same CDL (same address and/or same building), the charge for the move will be the installation charge for the portion of the service being reterminated. There will be no change in the minimum period requirements. For services subject to payment plan regulations, the same payment period will remain in force.

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**16. ADVANCED COMMUNICATIONS NETWORKS (Cont'd)****16.1 General (Cont'd)****(D) Moves (Cont'd)****(2) Different CDL**

- (a) When the move is to a different CDL (different address and different building), except as specified below, it will be treated as a disconnect and an installation of service. The appropriate service installation charge for the service termination(s) affected will apply. A new minimum period will be established for the installed service. The customer will remain responsible for all minimum period charges associated with the disconnected service. For services subject to full payment plan regulations, a new payment plan will be established and full assessment of the remaining liabilities will be applicable.
- (b) When the move is to a different CDL but served by the same serving wire center, the following conditions apply:
- A change ASR will be required.
  - The appropriate service installation charge for the service termination(s) will apply.
  - For services subject to payment plan regulations, if the customer of record remains the same with no lapse in service, the appropriate NRCs for changes will apply. Otherwise, the move will be treated as a disconnect and an installation of service and all appropriate NRCs and full assessment of the remaining liabilities will be applicable.

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**16. ADVANCED COMMUNICATIONS NETWORKS (Cont'd)****16.2 Packet Switching Network Service (USOC - PS5+X)****(A) Service Description**

Packet Switching Network Service uses packet switching technology to provide a switched data transport service. This service uses analog and digital facilities to provide usage-sensitive data transport for a variety of interactive (or bursty) data applications between two or more customer designated locations (CDLs). The packet switch will be classified as a CDL.

Packet switching technology divides data streams into packets. The packet network examines, routes and transports packets individually without maintaining a physical path between bursts of data. This service is based on CCITT (Consultative Committee on International Telegraphy and Telephony) X.25 protocol and X.75 internetworking protocol. The X.25 and X.75 protocols are international standards developed by the CCITT that provide the foundation for Public Packet Switched Networks. Packet Switching Network Service and features are available where facilities and conditions permit.

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**16. ADVANCED COMMUNICATIONS NETWORKS (Cont'd)**

**16.2 Packet Switching Network Service (Cont'd)**

(B) Service Provisioning

Customers may access the Packet Switching Network through an X.75 internetworking access.

Packet switching carriers with a Data Network Identification Code may interconnect to an access port on the Packet Switching Network with X.75 protocol at transmission speeds of 9.6 Kbps or 56 Kbps. Each X.75 access will require an X.75 Access Port charge, a DDS Special Access Line charge (9.6 Kbps or 56 Kbps), associated DDS Special Transport charges set forth in Section 5.

The Special Access Line and Special Transport charges provide analog or digital connections from the packet carrier's location to the access port on the Telephone Company's packet network. Shared use (ratcheting) to provision the access connection is not permitted.

The special access service associated with packet switching will be subject to the meet point billing requirements set forth in Section 2. However, all usage recorded at the Telephone Company's packet switch will be billed by the Telephone Company.

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**16. ADVANCED COMMUNICATIONS NETWORKS (Cont'd)**

**16.2 Packet Switching Network Service (Cont'd)**

(C) Rate Application

(1) Minimum Period

The minimum service period is one month.

(2) Rate Application

(a) The monthly rates are flat-rates and are applied based on the speed and number of logical channels subscribed to per access port.

(b) Monthly Rates for logical channels subscribed to will apply in addition to the monthly recurring charges for X.75 access. Rates applicable for X.75 access include a monthly recurring rate and an installation charge per X.75 access port and are specified under Section 16.2 (F) (1). A DDS Special Access Line charge (9.6 Kbps or 56 Kbps), associated DDS Special Transport from Section 5 will also apply.

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**16. ADVANCED COMMUNICATIONS NETWORKS (Cont'd)**

**16.2 Packet Switching Network Service (Cont'd)**

(D) Supplemental Features

- (1) Fast Select allows a sending data terminal to forward up to 128 bytes of data along with call setup and clearing packets. This feature is available to all customers and is initiated on a call-by-call basis.
- (2) Priority allows a customer to establish a "priority" status to the customer's data as it processes through the network. This feature is available to all customers and is initiated on a call-by-call basis.

(E) (Reserved for Future Use)

(F) Rates and Charges

	<u>Nonrecurring Charge</u>	<u>Monthly Rate</u>
(1) <u>X.75 Access, Per Port</u>		
- 9.6 Kbps (LHT7E)	\$100.00	\$75.00
- 56 Kbps (LHT7G)	100.00	130.00
(2) <u>Logical Channels</u>		
<u>9.2 Kbps Port</u>		
12 Logical Channels, Per Month --		48.00
22 Logical Channels, Per Month --		88.00
32 Logical Channels, Per Month --		128.00
<u>56 Kbps Port</u>		
32 Logical Channels, Per Month --		128.00
60 Logical Channels, Per Month --		240.00
90 Logical Channels, Per Month --		360.00
(3) <u>Supplemental Features</u>		
Fast Select, Per Virtual Connection		.001
Priority, Per Kilosegment		.35

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16. **ADVANCED COMMUNICATIONS NETWORKS (Cont'd)**

16.3 **Frame Relay Service** – Grandfathered <sup>1</sup>

(C)

(A) Service Description

Frame Relay Service (FRS) is a "fast packet" network service that permits the transmission of data at speeds of 56 Kbps, 384 Kbps or 1.544 Mbps using Permanent Virtual Circuits (PVCs).

PVCs are logical circuits that define a specific path for data sent by the customer to another location. These circuits are virtual because they are established in software tables and do not tie up capacity when not in use. This also allows multiple PVCs to be defined over a single access line, thereby providing a single access line the capability to transmit data to multiple destinations.

In operation of Frame Relay Service, customer premises equipment, such as routers, encapsulate arriving data into variable length frames. These frames contain information identifying which PVC in the network should be used to forward the frame to the proper destination. The customer premises equipment then sends the frame into the Frame Relay network. The Frame Relay switch reads identifying information and routes the frame to the proper destination based on a pre-established PVC.

The statistical multiplexing Frame Relay switches are able to provide shared network resources to end users of this service.

Frame Relay Service conforms to Consultative Committee for International Telegraph and Telephone (CCITT) and American National Standards Institute (ANSI) publications T1.602, T1.606, T1.617 and T1.618.

<sup>1</sup> Effective June 3, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for [Frame Relay] Service. Upon service term expiration, this service will transition to a Month-to-Month service arrangement.

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16. **ADVANCED COMMUNICATIONS NETWORKS (Cont'd)**

16.3 **Frame Relay Service** – Grandfathered <sup>1</sup>

(C)

(B) **Service Provisioning**

Frame Relay is a transport service that facilitates the exchange of variable length information units (frames) between end user connections by way of assigned virtual connections. Each frame is passed to the Frame Relay network with an address that specifies the virtual connection.

Variable frame length capability is useful in communications between asynchronous Local Area Networks (LANs) and for transport of synchronous data traffic. Frame Relay is capable of handling the requirements of bursty data sources because of the ability of the service to allocate additional bandwidth when not in use by other sources.

Frame Relay is provided to the customer in the form of the Frame Relay User-to-Network Interface (UNI) Port with Access Line, or Frame Relay UNI Port Only, Frame Relay Network-to-Network (NNI) Port Only, and Permanent Virtual Circuits. The Frame Relay Access Line forms the component which provides the customer access to the customer's serving wire center and interoffice transport from the customer's serving wire center to the Frame Relay Switch. The Frame Relay Access line is provided for use only with Frame Relay Service. The Frame Relay UNI and NNI Port Only are provided for digital special access line connections to the network supporting Frame Relay Service. Digital special access lines are available from Section 5.

PVCs are provisioned on either 56 Kbps, 384 Kbps or 1.544 Mbps ports, depending upon the customer's networking requirements. The actual throughput of aggregated PVC bandwidths in use at the same time on the same port cannot exceed the port speed. Since all PVCs need not be in use at the same time, it is possible for the total bandwidth of all PVCs associated with one Frame Relay Access Line to exceed the bandwidth of that Frame Relay Access Line. This relationship is referred to as over-subscription and when this occurs, there can be no guarantee that the bandwidth defined for that PVC will be available at any point in time.

<sup>1</sup> Effective June 3, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for [Frame Relay] Service. Upon service term expiration, this service will transition to a Month-to-Month service arrangement.

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**16. ADVANCED COMMUNICATIONS NETWORKS (Cont'd)**

**16.3 Frame Relay Service – Grandfathered <sup>1</sup>**

(C)

(B) Service Provisioning (Cont'd)

No PVC can have a greater bit rate than the bit rate of the associated access line.

A PVC must be associated with at least one Frame Relay Port. A Frame Relay Port can be associated with multiple PVCs.

A customer subscribing to a FRS port or port with access line will be referred to as the Controller of the Frame Relay Port. A customer may request data transmission capability to another customer. Both customers must have a Frame Relay Access Line and Frame Relay Port. The Controller of each Frame Relay Access Line must have written permission from the Controller(s) of each of the Frame Relay Access Lines to which a PVC is requested.

The Frame Relay Port and PVC may be ordered and billed independently and can have different customers as Controllers.

The Telephone Company does not undertake to originate data, but offers the use of its service components, where available, to customers for the purpose of transporting customer-originated data.

Frame Relay Service is available where facilities and conditions permit.

<sup>1</sup> Effective June 3, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for [Frame Relay] Service. Upon service term expiration, this service will transition to a Month-to-Month service arrangement.

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16. **ADVANCED COMMUNICATIONS NETWORKS (Cont'd)**

16.3 **Frame Relay Service** – Grandfathered <sup>1</sup>

(C)

(C) Obligations of the Telephone Company

In addition to the general conditions described in Section 2, when a customer orders a PVC which is relayed to other Local Exchange Carriers, Interexchange Carriers or other Frame Relay networks, the Telephone Company will provide assistance in establishing this PVC.

The Telephone Company has the service responsibility up to and including the network interface.

(D) Obligations of the Customer

In addition to the general conditions described in Section 2:

- The customer's Frame Relay terminal equipment has the responsibility for retransmitting frames which are discarded due to errors or network congestion.
- The customer, upon request, shall furnish such information as may be required to permit the Telephone Company to design and maintain the Frame Relay Service it offers and to assure that the service arrangement is in compliance with the regulations contained herein.
- It shall be the responsibility of the customer to ensure the continuing compatibility of the customer-provided equipment (CPE) that is used in conjunction with the Frame Relay Service. The CPE shall be in compliance with FCC rules and regulations.
- The customer shall be responsible for obtaining permission for the Telephone Company's agents or employees to enter the premises of the customer or its users at any reasonable hour for the purpose of installing, inspecting, repairing, or, upon termination of the service, removing the service components of the Telephone Company.

<sup>1</sup> Effective June 3, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for [Frame Relay] Service. Upon service term expiration, this service will transition to a Month-to-Month service arrangement.

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**16. ADVANCED COMMUNICATIONS NETWORKS (Cont'd)**

**16.3 Frame Relay Service – Grandfathered <sup>1</sup>**

(C)

(E) Rate Regulations

(1) Minimum Period

The minimum period for Frame Relay Service is one month, except when provided under a Term Payment Plan (TPP) arrangement. The regulations applicable to Frame Relay Service provided under a TPP arrangement are specified under 16.3(E)(4).

When PVCs are added to existing Frame Relay Service, the minimum period for the added PVCs is one month.

(2) Rate Elements

(a) Frame Relay UNI Port and Access Line

A nonrecurring charge and a monthly rate, based on the speed of the port connection (i.e., 56 Kbps, 384 Kbps, or 1.544 Mbps), apply per port for each physical connection to the network supporting Frame Relay Service. Each port includes one PVC, and can accommodate multiple PVCs. Clear channel capability, as necessary, is included at no additional charge.

(b) Frame Relay UNI or NNI Port only

A nonrecurring charge and a monthly rate, based on the speed of the port connection (i.e., 56 Kbps, 384 Kbps, or 1.544 Mbps), apply per port for each Frame Relay Access Line or digital private line connection to the network supporting Frame Relay Service. Each port includes one PVC, and can accommodate multiple PVCs.

(c) Frame Relay PVC

A nonrecurring charge and a monthly rate apply for each PVC.

<sup>1</sup> Effective June 3, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for [Frame Relay] Service. Upon service term expiration, this service will transition to a Month-to-Month service arrangement.

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16. **ADVANCED COMMUNICATIONS NETWORKS (Cont'd)**

16.3 **Frame Relay Service** – Grandfathered <sup>1</sup>

(C)

(E) **Rate Regulations** (Cont'd)

(3) Rate Application

A customer may access Frame Relay Service via a Frame Relay Access Line or via Telephone Company provided digital access facilities offered under Section 5. If a customer utilizes a special access line to access FRS, the associated regulations, rates and charges for such facilities shall apply in addition to the rates and charges associated with the FRS rate elements.

A customer utilizing special access facilities to access FRS would incur the monthly rate and nonrecurring charge associated with the Frame Relay UNI or NNI Port Only charge set forth under 16.3(F)(1)(b) or 16.3(F)(1)(c) respectively for standard arrangements. The UNI Port provides for a user to carrier connection; the NNI Port provides for a carrier-to-carrier connection.

When a customer orders additional PVCs or changes PVC assignments on a Frame Relay port after the initial port installation, the Frame Relay PVC nonrecurring charge shall apply per PVC added or changed.

The Frame Relay Access Line and PVC may be ordered and billed independently and can have different Controllers, as discussed under 16.3(B). A request by one customer to discontinue a PVC does not result in the disconnection of the Frame Relay Access Line and Port. Only the Controller of a Frame Relay Access Line may authorize a disconnect of that line.

<sup>1</sup> Effective June 3, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for [Frame Relay] Service. Upon service term expiration, this service will transition to a Month-to-Month service arrangement.

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16. **ADVANCED COMMUNICATIONS NETWORKS (Cont'd)**

16.3 **Frame Relay Service** – Grandfathered <sup>1</sup>

(C)

(E) **Rate Regulations (Cont'd)**

(4) Term Payment Plan (TPP)

(a) General

- (1) The terms and conditions specified herein are applicable to Frame Relay Service and are in addition to other regulations as specified in this tariff.
- (2) The Frame Relay UNI Port with Access Line, the Frame Relay UNI or NNI Port Only, and PVC rate elements are available under a TPP. Digital special access lines and additional features are available at their tariffed rates and regulations.
- (3) Frame Relay TPP rates will not be greater than standard month-to-month Frame Relay rates, for the same rate elements.
- (4) Three year and five year TPP rates will be equal to or less than the one year TPP rates. Decreases to the one year TPP rates will flow through to the three year and five year TPP rates.
- (5) Payment periods of one year, three year, and five year are available to all customers at the applicable rates set forth in 16.3(F)(2) regardless of when they subscribe to a TPP arrangement.

<sup>1</sup> Effective June 3, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for [Frame Relay] Service. Upon service term expiration, this service will transition to a Month-to-Month service arrangement.

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**16. ADVANCED COMMUNICATIONS NETWORKS (Cont'd)**

**16.3 Frame Relay Service – Grandfathered <sup>1</sup>**

(C)

(E) Rate Regulations (Cont'd)

(4) Term Payment Plan (TPP) (Cont'd)

(a) General (Cont'd)

(6) The customer must designate on the ASR the payment period for the TPP.

(7) Inside moves, provided in accordance with Section 5.6.4(A), will not incur termination liability charges.

(8) Outside moves, provided in accordance with Section 5.6.4(B), will allow the customer to retain the same TPP payment period. Any other move will be treated as a disconnect of the service and termination liability charges will apply.

(9) The threshold quantity is 300 DS0 equivalent ports, in service no later than 12 months from the date the TPP was initiated. These may include UNI and NNI ports. DS0 equivalents are measured as follows:

56 Kbps FRS is equivalent to (1) one DS0 unit

384 Kbps FRS is equivalent to (6) six DS0 units

1.544 Mbps FRS is equivalent to (24) twenty-four DS0 units.

The threshold quantity is to be maintained for the length of the term selected.

<sup>1</sup> Effective June 3, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for [Frame Relay] Service. Upon service term expiration, this service will transition to a Month-to-Month service arrangement.

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16. **ADVANCED COMMUNICATIONS NETWORKS (Cont'd)**

16.3 **Frame Relay Service** – Grandfathered <sup>1</sup>

(C)

(E) **Rate Regulations** (Cont'd)

(4) Term Payment Plan (TPP) (Cont'd)

(a) General (Cont'd)

- (10) Each customer's TPP will be reviewed annually. If the total quantity in service does not meet the threshold quantity, a payment equal to the difference between the discounted amount paid and the month-to-month amount that would have been charged for services not under a TPP arrangement will be assessed, plus a 10% penalty. The charges will be calculated using the in service quantity at the time of review.

The customer may choose to increase the DS0 equivalents within 30 days to the threshold quantity and continue under the TPP arrangement or choose to be billed on a going forward basis at the month-to-month rates.

If, after 30 days, the threshold level is not met, the TPP will automatically be changed to a standard month-to-month arrangement. Termination liability will apply.

<sup>1</sup> Effective June 3, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for [Frame Relay] Service. Upon service term expiration, this service will transition to a Month-to-Month service arrangement.

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**16. ADVANCED COMMUNICATIONS NETWORKS (Cont'd)**

**16.3 Frame Relay Service – Grandfathered <sup>1</sup>**

(C)

(E) Rate Regulations (Cont'd)

(4) Term Payment Plan (TPP) (Cont'd)

(b) Changes in Length of TPP Period

Prior to the completion of the selected TPP period, the customer may elect to convert to a new TPP period of the same or different length, subject to the following conditions:

- No credit toward the new payment period will be given for payments made under the original TPP arrangement.
- Nonrecurring charges will not be reapplied for existing service(s).
- If the new TPP period is shorter in length than the time remaining under the existing TPP, the change to the new TPP period constitutes a discontinuance of the existing TPP service and termination liability charges apply.

<sup>1</sup> Effective June 3, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for [Frame Relay] Service. Upon service term expiration, this service will transition to a Month-to-Month service arrangement.

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16. **ADVANCED COMMUNICATIONS NETWORKS (Cont'd)**

16.3 **Frame Relay Service** – Grandfathered <sup>1</sup>

(C)

(E) **Rate Regulations** (Cont'd)

(4) Term Payment Plan (TPP) (Cont'd)

(c) Renewal Options

(1) At the expiration of a TPP period, the Telephone Company will automatically renew the service at the same TPP period unless the customer chooses to convert to a different TPP period, convert to month-to-month rates or discontinue service.

(2) Conversion to a different TPP period will require the customer to submit a change order ASR. Conversion of existing TPP service to a different TPP period will be allowed without application of any nonrecurring or ordering charges.

(3) Conversion to month-to-month rates will be treated as a disconnect of service and establishment of new service. However, if no other changes are ordered, no charge will apply.

(d) Notification of Discontinuance

An ASR for discontinuance of a TPP arrangement must be received by the Telephone Company at least thirty (30) days prior to actual disconnect of service. Monthly charges will apply for a period of thirty (30) days from the date the Telephone Company receives disconnect notification or until the requested disconnect date, whichever period is longer.

<sup>1</sup> Effective June 3, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for [Frame Relay] Service. Upon service term expiration, this service will transition to a Month-to-Month service arrangement.

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**16. ADVANCED COMMUNICATIONS NETWORKS (Cont'd)**

**16.3 Frame Relay Service – Grandfathered <sup>1</sup>**

(C)

(E) Rate Regulations (Cont'd)

(4) Term Payment Plan (TPP) (Cont'd)

(e) Upgrade to Higher Speed Service

Customers may elect to upgrade service(s) to a higher speed during a TPP period, subject to the following conditions:

- The upgraded service will be subject to all appropriate nonrecurring charges.
- Termination liability charges will not apply as long as the upgraded service remains connected at the same point of termination(s) or meets the requirements set forth in Section 5.6.4(B)2.

<sup>1</sup> Effective June 3, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for [Frame Relay] Service. Upon service term expiration, this service will transition to a Month-to-Month service arrangement.

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**16. ADVANCED COMMUNICATIONS NETWORKS (Cont'd)**

**16.3 Frame Relay Service – Grandfathered <sup>1</sup>**

(C)

(E) Rate Regulations (Cont'd)

(4) Term Payment Plan (TPP) (Cont'd)

(f) Termination Liability

When a TPP arrangement is discontinued prior to the end of the period, termination liability charges, as set forth below, will apply based on the remainder of the TPP period in effect at the time of disconnect.

One Year TPP - 50% of any remaining portion of the first year's recurring charges for the in service quantity.

Three Year TPP - 50% of any remaining portion of the first year's recurring charges. In addition, for any remaining portion of the second and third years, the customer will be liable for 10% of the total monthly recurring charges in that time period for the in service quantity.

Five Year TPP - 50% of any remaining portion of the first year's recurring charges. In addition, for any remaining portion of the second through fifth years, the customer will be liable for 10% of the total monthly recurring charges in that time period for the in service quantity.

(g) Termination Without Liability

During a TPP period, should the currently effective rate for a customer's service increase, the customer may, at his/her option, terminate the TPP arrangement without penalty or liability.

<sup>1</sup> Effective June 3, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for [Frame Relay] Service. Upon service term expiration, this service will transition to a Month-to-Month service arrangement.

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**16. ADVANCED COMMUNICATIONS NETWORKS (Cont'd)**

**16.3 Frame Relay Service – Grandfathered <sup>1</sup>**

(C)

(F) Rates and Charges

(1) Standard Arrangements

	<u>Nonrecurring</u>	<u>Monthly</u>
	<u>Rate</u>	<u>Charges</u>
(a) <u>Frame Relay UNI Port and Access Line, each *</u>		
56 Kbps (FP8)	\$195.00	\$110.00
384 Kbps (FP8)	395.00	380.00
1.544 Mbps (FP8)	395.00	530.00
(b) <u>Frame Relay UNI Port Only, each *#</u>		
56 Kbps (FP9)	95.00	24.00
1.544 Mbps (FP9)	295.00	213.00
(c) <u>Frame Relay NNI Port Only, each *#</u>		
384 Kbps	295.00	78.00
1.544 Mbps	295.00	180.00
(d) <u>Frame Relay Permanent Virtual Circuit, each</u>	20.00	8.00

\* Includes (1) PVC.

# Refer to Section 5 for the appropriate Special Access Line rate.

<sup>1</sup> Effective June 3, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for [Frame Relay] Service. Upon service term expiration, this service will transition to a Month-to-Month service arrangement.

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**16. ADVANCED COMMUNICATIONS NETWORKS (Cont'd)**

**16.3 Frame Relay Service – Grandfathered <sup>1</sup>**

(C)

(F) Rates and Charges (Cont'd)

(2) Term Payment Plan (TPP)

	<u>Nonrecurring Charges</u>	<u>One Year Monthly Rate</u>	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>
(a) <u>Frame Relay UNI Port and Access Line, each *</u>				
(1) 56 Kbps	\$195.00	\$105.00	\$95.00	\$85.00
(2) 385 Kbps	395.00	370.00	355.00	340.00
(3) 1.544 Mbps	395.00	510.00	490.00	470.00
(b) <u>Frame Relay UNI Port Only, each *#</u>				
(1) 56 Kbps (DDS)	95.00	23.00	22.00	21.00
(2) 1.544 Mbps (DS1)	295.00	211.00	208.00	205.00
(c) <u>Frame Relay NNI Port Only, each *#</u>				
(1) 385 Kbps (6X64 FT1)	295.00	75.00	72.00	69.00
(2) 1.544 Mbps (DS1)	295.00	170.00	160.00	150.00
(d) <u>Frame Relay Permanent Virtual Circuit, each</u>	20.00	7.00	6.00	5.00

\* Includes (1) PVC.

# Refer to Section 5 for the appropriate Special Access Line rate.

<sup>1</sup> Effective June 3, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for [Frame Relay] Service. Upon service term expiration, this service will transition to a Month-to-Month service arrangement.

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**ACCESS SERVICE**

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**17. EXPANDED INTERCONNECTION SERVICES**

**17.1 Service Description**

**17.1.1** Expanded Interconnection Service (EIS) provides customers with the capability to terminate basic fiber optic transmission facilities, including optical terminating equipment and multiplexers at the Telephone Company wire centers and interconnect those facilities with facilities of the Telephone Company. EIS will be provided in Telephone Company wire centers listed in this section and in accordance with Sections 64.1401 and 64.1402 of the FCC Rules and Regulations in 47 C.F.R.

EIS is not available to Enhanced Service Providers. Customer premises equipment, protocol conversion equipment or other types of customer equipment not required for basic transmission shall not be installed in Telephone Company wire centers.

**17.2 Provision of EIS**

**17.2.1 General**

- (A) EIS will be provided as Virtual EIS where the interconnection with Telephone Company facilities occurs outside the wire center in a manhole or other similar location.
- (B) EIS arrangements are available for DS1 (1.544 Mbps) and DS3 (44.735 Mbps) Special Access transmission facilities and terminating equipment to Telephone Company wire center facilities in or near Telephone Company buildings.
- (C) EIS will be available for microwave transmission on a case by case basis where reasonably feasible. EIS is not available on non-fiber optic cable facilities.
- (D) Customer provided facilities and equipment are subject to the terms, conditions, and rates specified in this tariff.

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**ACCESS SERVICE**

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**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)**

**17.2 Provision of EIS (Cont'd)**

**17.2.1 General (Cont'd)**

- (E) Physical EIS will be provided until December 31, 1994, to those customers in service as of July 25, 1994. At the option of the customer, the Telephone Company will complete construction of physical EIS arrangements where the Application Form was received and associated fees paid by June 10, 1994. these arrangements must be transitioned to virtual arrangements before January 1, 1995.
- (F) The Telephone Company is not responsible for the design, engineering or performance of the customer's equipment, customer designated termination equipment and customer provided facilities for virtual and physical EIS. The Telephone Company is not responsible for testing and maintenance of physical EIS arrangements.
- (G) The Telephone Company is not required to purchase additional plant or equipment, to relinquish floor space or facilities designated for Telephone Company use, to undertake construction of new wire centers or to construct additions to existing wire centers to satisfy a customer request.

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17. **EXPANDED INTERCONNECTION SERVICES (Cont'd)**

17.2 **Provision of EIS (Cont'd)**

17.2.2 **Responsibility of the Telephone Company**

- (A) The Telephone Company will provide EIS, within the limitations of space and facilities.
- (B) The emergency provisioning and restoration of interconnection service shall be in accordance with Part 64, Subpart D, Paragraph 64.401, of the FCC's Rules and Regulations, which specifies the priority for such activities.
- (C) The Telephone Company will establish points of contact for the customer to place a request for EIS. The point of contact will provide the customer with a packet of general information, including an Application Form.
- (D) The Telephone Company will provide at least two separate points of entry to the wire center where there are two entry points for the Telephone Company cable facilities, with the exception of situations where one entry of a two entry office is filled to capacity.
- (E) The Telephone Company will not purchase customer designated termination equipment from a vendor for the customer's use. If the customer chooses, the Telephone Company will assist the customer in the purchase of terminating equipment by establishing a contact point with Telephone Company supply.

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**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)**

**17.2 Provision of EIS (Cont'd)**

**17.2.3 Rights of the Telephone Company**

- (A) The Telephone Company retains ownership of wire center floor space and equipment used to provide EIS.
- (B) The Telephone Company reserves the right to refuse use of customer designated termination equipment which does not meet network reliability standards and fire and safety codes.
- (C) (Reserved for Future Use)
- (D) The Telephone Company reserves the right, with prior notice, to access the partitioned space to perform periodic inspections to ensure compliance with Telephone Company installation, safety and security practices.
- (E) The Telephone Company reserves the right, without prior notice, to access the partitioned space in an emergency, such as fire or other unsafe conditions, or for purposes of averting any threat of harm imposed by the customer or the customer's equipment upon the operation of the Telephone Company's equipment, facilities and/or employees located outside the partitioned space.
- (F) The Telephone Company reserves the right to remove and dispose of the customer's equipment on physical EIS arrangements if the customer fails to remove and dispose of the equipment within the 15-day period following discontinuance of service whether the discontinuance was ordered by the customer, or by the Telephone Company in accordance with this tariff. The customer will be charged the appropriate Additional Labor charges in Section 6.2 for the removal and disposal of such equipment.

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**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)**

**17.2 Provision of EIS (Cont'd)**

**17.2.3 Rights of the Telephone Company (Cont'd)**

- (G) The Telephone Company reserves for itself and its successors and assignees, the right to utilize the wire center(s) space in such a manner as will best enable it to fulfill Telephone Company's service requirements.
- (H) The Telephone Company shall have the right, for good cause shown, and upon six (6) months' notice, to reclaim any partitioned space, cable space or conduit space in order to fulfill its obligation under Public Service law and its tariffs to provide telecommunication services to its end user customers. In such cases, the Telephone Company will reimburse the customer for reasonable direct costs and expenses in connection with such reclamation.

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**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)**

**17.3 Obligations of the Customer**

**17.3.1 Responsibility of the Customer**

- (A) The customer is responsible for coordinating with the Telephone Company to ensure that services are installed in accordance with the service request.
- (B) The customer will be responsible for costs incurred by the Telephone Company for installation or maintenance of customer designated transmission equipment. Installation or maintenance will not begin until agreed to by the customer.
- (C) In the event of a Telephone Company work stoppage, the customer's employees, contractors or agents will comply with the emergency operation procedures established by the Telephone Company.
- (D) On the date of discontinuance of service of physical EIS arrangements, the customer will disconnect and remove its equipment from its partitioned space or work with the Telephone Company to retain as a virtual arrangement.
- (E) The customer will provide access to the partitioned space at all times to allow the Telephone Company to react to emergencies, to maintain the building operating systems (where applicable and necessary) and to ensure compliance with OSHA/Telephone Company regulations and standards related to fire, safety, health and environment safeguards.

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**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)**

**17.3 Obligations of the Customer (Cont'd)**

**17.3.1 Responsibility of the Customer (Cont'd)**

- (F) The customer's employee, agent, or contractor with access to a Telephone Company wire center(s) shall adhere at all times to all applicable laws, regulations and ordinances and to rules of conduct established by the Telephone Company for the wire center and the Telephone Company's employees, agents and contractors. The Telephone Company reserves the right to make changes to such procedures and rules to preserve the integrity and operation of the Telephone Company network or facilities or to comply with applicable laws and regulations. The Telephone Company will provide written notification 15 days in advance of such changes.
- (G) The customer is responsible for payment of all charges as set forth in Section 2.4. Disputed bills will be subject to provisions in Section 2.4. Failure to make payment will result in disconnection of service in accordance with Section 2.1.8.
- (H) The customer will be responsible to obtain appropriate insurance coverage, including but not limited to, fire, theft, and liability as described in 17.7.6, for physical EIS arrangements.
- (I) The customer will be held liable for the actions and inactions of its employees, vendors, or contractors having access to Telephone Company wire center equipment, manholes, property and facilities.
- (J) The customer is responsible for the purchase and delivery of customer designated termination equipment to be installed in the Telephone Company wire center for virtual EIS. The customer will sell the customer designated termination equipment to the Telephone Company for one dollar (\$1.00) at the time the equipment is delivered to the wire center where it is to be installed. Upon termination of virtual EIS, the customer will purchase the customer designated termination equipment from the Telephone Company for one dollar (\$1.00).

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**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)****17.3 Obligations of the Customer (Cont'd)****17.3.2 Claims and Demands for Damage**

In addition to the provisions in Section 2.3.11, the customer shall defend, indemnify and save harmless the Telephone Company from and against any and all suits, claims and demands by third persons caused by, arising out of or in any way related to the installation, maintenance, repair, replacement, presence, use or removal of the customer's equipment or by the proximity of such equipment to the equipment of other parties occupying space in the Telephone Company's wire center(s) or caused by, arising out of or in any way related to the customer's failure to comply with any of the terms of this tariff.

**17.3.3 Limitations**

- (A) All customer facilities must terminate in the Telephone Company equipment. The customer will not be permitted to make connections between partitioned space of other customers within the wire center.
- (B) The customer shall not assign, sublease, rent or share with or without charge, partitioned space with another customer.
- (C) Other than marking equipment for identification purposed, the customer shall not paint or affix any signs, posters, advertisements or notices on any portion of, or any equipment located in, the Telephone Company wire center(s).
- (D) The customer shall not use cellular telephones within the wire center locations. The customer may order local exchange business service to be installed within the customer's partitioned space.

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17. **EXPANDED INTERCONNECTION SERVICES (Cont'd)**

17.3 **Obligations of the Customer (Cont'd)**

17.3.4 **Mechanic's or Materialmen's Liens**

The customer shall not permit to be placed upon the wire center or any of the Telephone Company's property any mechanic's or materialmen's liens caused by or resulting from any work performed, materials furnished or obligations incurred by or at the request of the customer. In the case of the filing of any such lien, the customer shall immediately pay the lien in full.

If default in the payment continues for ten (10) days after written notice from the Telephone Company to the customer, the Telephone Company will have the right, at the Telephone Company's option, of paying the lien or any portion of the lien, without inquiry as to the validity of the lien, and the customer shall reimburse the Telephone Company for any amounts paid, including expenses and interest, within ten (10) days after delivery to the customer of an invoice. Failure to remit payment to the Telephone Company within ten (10) days will result in disconnection of service as set forth in Section 2.1.8.

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**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)**

**17.3 Obligations of the Customer (Cont'd)**

**17.3.5 Confidentiality**

The customer shall hold in confidence all information of a competitive nature provided to the customer by the Telephone Company in connection with EIS or known to the customer as a result of the customer's access to the Telephone Company's wire center(s) or as a result of the interconnection of the customer's equipment to the Telephone Company's facilities; provided, however, that the customer shall not be obligated to hold in confidence information that:

- (1) was already known to the customer free of any obligation to keep such information confidential;
- (2) was or becomes publicly available by other than unauthorized disclosure;  
or
- (3) was rightfully obtained from a third party not obligated to hold such information in confidence.

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**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)**

**17.3 Obligations of the Customer (Cont'd)**

**17.3.6 Network Outage, Damage and Reporting**

- (A) The customer shall be responsible for any damage or network outage occurring as a result of termination of customer owned equipment or customer designated termination equipment in the Telephone Company wire center.
- (B) The customer is responsible for providing trouble report status when requested.
- (C) The customer is responsible for providing a contact number that is readily accessible 24 hours a day, 7 days a week.
- (D) The customer shall be responsible for notifying the Telephone Company of significant outages which could impact or degrade the Telephone Company's switches and services and provide estimated clearing time for restoral.
- (E) The customer is responsible for testing its equipment to identify and clear a trouble report when the trouble has been sectionalized (isolated) to a customer service.
- (F) Credit for interruption of service for physical EIS will be given only for the special access facility and associated cross connect as set forth in Section 5.

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**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)****17.4 Discontinuance of Service****17.4.1 General**

- (A) Upon discontinuance of physical EIS service, the customer shall disconnect and remove its equipment from the partitioned space. The Telephone Company reserves the right to remove the customer's equipment if the customer fails to remove and dispose of the equipment within the 15 days' of discontinuance. The customer will be charged the appropriate Additional Labor charge in Section 6.2 for the removal of such equipment. The customer's failure to remove its equipment within 15 days' of discontinuance of service shall constitute an abandonment of such equipment and the customer shall forfeit all rights and title to such equipment.
- (B) The Telephone Company will make every effort to contact the customer in the event the customer's equipment disrupts the network. If the Telephone Company is unable to make contact with the customer, the Telephone Company shall temporarily disconnect the customer's service as set forth in 2.2.2(B).
- (C) The Telephone Company reserves the right to terminate EIS, in the event the customer is not in conformance with Telephone Company standards and requirements and/or in the event the customer imposes continued disruption and threat of harm to Telephone Company employees and/or network, or the Telephone Company's ability to provide service to other customers.
- (D) Upon discontinuance of virtual EIS service, the Telephone Company will disconnect and remove the customer designated termination equipment from the Telephone Company wire center. The Telephone Company will work with the customer to coordinate return of the equipment to the customer.

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**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)**

**17.5 Ordering Options for EIS**

**17.5.1 Bona Fide Request for Virtual EIS for Non-Tariffed Locations or Equipment**

- (A) Customers requesting EIS for a location or for equipment not appearing in 17.10 will be required to initiate a bona fide request for each wire center. Submission of an Application Form and \$2500 is considered a bona fide request.
- (B) Customers initiating a bona fide request must have the capability of terminating their transmission facilities at the Telephone Company wire center within a reasonable period of time, not to exceed 6 months from the date the request is initiated.
- (C) Customers initiating a bona fide request shall be required to submit \$2500 for each wire center, which will be applied toward the Engineering/Installation Fee to perform a preconstruction verification of the available conduit space or preliminary rate for equipment installation, training and maintenance.
- (D) The customer must complete the Application Form, providing all required information before the Telephone Company will begin work on the request. The customer will be required to provide information such as, wire center location, number and type of terminations, power requirements, type of equipment, etc.
- (E) Within 10 days from receipt of the completed request form, the Telephone Company will verbally notify the customer if conduit space is available. If space is not available, the customer will be notified in writing.

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**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)**

**17.5 Ordering Options for EIS (Cont'd)**

**17.5.1 Bona Fide Request for Virtual EIS for Non-Tariffed Locations or Equipment (Cont'd)**

- (F) If conduit space is not available, or the customer cancels the request within 10 days, the Telephone Company will refund the \$2500 to the customer. The Telephone Company will not make any refund after notification of availability of space.
- (G) Tariff revisions to add a wire center will be filed no later than 45 days from receipt of the original request to be effective when approved by the Commission.
- (H) Upon acceptance by the customer, tariff revisions to add rates for terminating equipment will be filed to be effective when approved by the Commission.
- (I) The Telephone Company will not begin necessary modifications to the wire center until after the tariff becomes effective and an ASR is received. The customer must submit the balance of the Engineering/Installation Fee with the ASR.

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**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)**

**17.5 Ordering Options for EIS (Cont'd)**

**17.5.2 Virtual EIS**

- (A) Customers seeking virtual EIS shall submit an Application Form and a \$2500 non-refundable fee which will be applied toward the Engineering/Installation Fee. The customer will be required to provide information such as, wire center location, number and type of terminations, type of equipment, etc. The customer must provide all required information before the Telephone Company will begin work on the request.
- (B) Upon receipt of the \$2500 fee, the Telephone Company will initiate a search of engineering records, an inspection of facilities, and other administrative activities required to process the request.
- (C) Virtual EIS will be provided to customers at rates and charges, including the Engineering/Installation Fee, specific to the location and customer designated termination equipment installed.

**17.5.3 Microwave Services**

EIS through microwave service will be provided, where reasonably feasible, only on a case-by-case basis. Rules, regulations and rates will be developed and filed upon a bona fide request from customers to provide microwave interconnection.

**17.5.4 Other Technologies**

EIS will not be provided through technologies other than fiber optic facilities and microwave.

**17.6 (Reserved for Future Use)**

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**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)**

**17.7 Physical EIS**

**17.7.1 Availability of Service**

- (A) The Telephone Company will provide physical EIS until December 31, 1994, to customers where arrangements were in service as of July 25, 1994, or where the Application Form was received and associated fees paid by June 10, 1994.
- (B) Physical EIS arrangements must be transitioned to virtual arrangements on or before December 31, 1994. The Telephone Company will work with the customer in an effort to complete the transition with minimal interruption of service.
- (C) The Telephone Company is not required to refund any portion of the nonrecurring charges or fees associated with physical EIS arrangements which are converted to virtual.

**17.7.2 Existing Suitable Space**

- (A) The customer shall use the partitioned space solely for the purposes of installing, maintaining and operating the customer's equipment to interconnect with the facilities of the Telephone Company in accordance with Sections 64.1401 and 64.1402 of the FCC Rules and Regulations in 47 C.F.R. and for no other purposes.
- (B) The customer shall not construct improvements or make alterations or repairs to the partitioned space without the prior written approval of the Telephone Company.

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17. **EXPANDED INTERCONNECTION SERVICES (Cont'd)**

17.7 **Physical EIS (Cont'd)**

17.7.3 **Power, Environmental Conditioning and dc Power**

- (A) The Telephone Company will provide, at rates set forth following, dc power with generator and/or battery back-up, heat, air conditioning and other environmental support to the customer's equipment in the same standards and parameters required for Telephone Company equipment.
- (B) The customer will provide the Telephone Company with specifications for any non-standard or special requirements at the time of application. The Telephone Company reserves the right to assess the customer any additional charges on an individual case basis associated with complying with the requirements or to refuse an application where extensive modifications are required.

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**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)**

**17.7 Physical EIS (Cont'd)**

**17.7.4 Customer Terminating Equipment Requirements**

- (A) Customer equipment installed in the Telephone Company wire center must comply with either the Telephone Company's list of approved products, or equipment that complies with wire center environmental and transmission standards in effect at the time the interconnection is made.
- (B) The customer shall be responsible for servicing, supplying, repairing and maintaining the following:
  - Fiber Optic Cable and Fire Retardant Sheath  
Equipment located within the wire center  
Interconnection cable to the point of  
demarcation
- (C) The customer shall be required to provide DS1 cable facilities in sufficient capacity for the Telephone Company to wire DS1 services in multiples of 28.
- (D) The interconnection point for physical EIS is the point where the customer-owned cable facilities connect to the Telephone Company termination equipment.

The Telephone Company will designate a DSX panel(s) frame(s) as the point(s) of termination within each wire center as the point(s) of physical demarcation between the customer's maintenance and ownership responsibilities and the Telephone Company's maintenance and ownership responsibilities. Maintenance and related activities up to the Telephone Company side of the point of termination will be the responsibility of the Telephone Company.

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**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)****17.7 Physical EIS (Cont'd)****17.7.4 Customer Terminating Equipment Requirements (Cont'd)**

- (E) The customer shall be responsible for bringing its fiber optic cable to the wire center manhole and leave sufficient cable length in order for the Telephone Company to be able to fully extend such cable through to the customer's space. No splicing will be permitted in the manhole. Upon discontinuance of EIS, the customer relinquishes all rights, title and ownership of cable to the Telephone Company.
- (F) The Telephone Company is responsible for installing customer provided fiber optic cable in the cable space or conduit from the manhole to the wire center. This may be shared conduit with dedicated inner duct. The customer shall not be permitted to reserve wire center cable space or conduit. If new conduit is required, the Telephone Company will negotiate with the customer to determine the specific location. The Telephone Company reserves the right to manage its own wire center conduit requirements and to reserve vacant space for planned facility additions.
- (G) The Telephone Company is responsible for installing a cable splice where the customer provided fiber optic cable meets customer provided fire retardant riser cable within the wire center cable vault or designated splicing chamber. The Telephone Company will provide space and racking for the placement of the splice enclosure. The Telephone Company will tag all entrance facilities to indicate ownership. The Telephone Company is responsible for placing the customer's fire retardant riser cable from the cable vault to the partitioned space. The customer is responsible for providing fire retardant riser cable that meets Telephone Company standards.

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**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)**

**17.7 Physical EIS (Cont'd)**

**17.7.4 Customer Terminating Equipment Requirements (Cont'd)**

- (H) Customer interconnection equipment installed with the Telephone Company's wire center facilities shall be subject to and comply with Telephone Company practices for ac/dc bonding and grounding requirements. This information will be provided to the customer in the general information packet.
- (I) Upon installation of the customer's equipment, with prior notice, the Telephone Company will schedule time to work with the customer during the turn-up phase of the equipment to ensure proper functionality between the customer's equipment and the connections to the Telephone Company equipment. The time period for this to occur will correspond to the Telephone Company's maintenance window time period.
- (J) The customer shall be required to provide any required repeater equipment and such equipment must be located inside the customer's cage or partitioned space. If distance limitations require such repeater equipment to be located outside the customer's space, the customer shall be required to acquire such additional space to be enclosed in a cage or partitioned area.

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**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)****17.7 Physical EIS (Cont'd)****17.7.4 Customer Terminating Equipment Requirements (Cont'd)**

(K) All equipment installed within the Telephone Company wire center facilities shall meet the industry standard requirements as applicable for the following:

DS1 1.544 Mbps  
DS3 44.735 Mbps

TR-NWT-000499 Transport Systems Generic Requirements (TSGR). Issue 4, November 1991

TR-NWT-000063 Network Equipment Building System (NEBS) Generic Equipment Requirements. Issue 4, July 1991

TR-TSY-000191 Alarm Indication Signal Requirements and Objectives. Issue 1, May 1986

TR-TSY-000487 Generic Requirements for Electronic Equipment Cabinets. Issue 1, July 1989

TR-NPL-000320 Fundamental Generic Requirements for Metallic Digital Signal Cross Connect Systems DSX-1, -1C, -2, -3. Issue 1, April 1988

Part 15.109 47 C.F.R. FCC Rules and Regulations, Unintentional Radiated Emissions.

UL 94 Test for Flammability of Plastic Materials.

ANSI T1.102 Digital Hierarchy - Electrical Interfaces.

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**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)****17.7 Physical EIS (Cont'd)****17.7.5 Security Requirements for Customer Access to Telephone Company Buildings**

- (A) The Telephone Company will permit the customer's employees, agents, and contractors approved by the Telephone Company to have access to the customer's partitioned space at all times. The customer's employees, agents, or contractors must comply with the policies and practices of the Telephone Company pertaining to fire, safety, and security. The Telephone Company will also permit all approved employees, agents and contractors to have access to the customer's cable and associated equipment, e.g., repeaters. This will include access to riser cable, cableways, and any room or area through which necessary access is available.
- (B) All employees, agents and contractors must meet certain minimum requirements established by the Telephone Company. This information will be provided to the customer as set forth in 17.5.3(B). At the time the customer places the EIS ASR for physical EIS, the customer must submit a list of employees, agents and contractors and the associated Telephone Company wire centers where access is requested. The customer must also certify that each of the individuals on the list meets the minimum requirements. The information will be submitted to the Telephone Company's Security Department for approval.
- (C) Access cards or keys will be provided to no more than six individuals per customer for each Telephone Company wire center.

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**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)**

**17.7 Physical EIS (Cont'd)**

**17.7.5 Security Requirements for Customer Access to Telephone Company Buildings (Cont'd)**

- (D) Upon approval, the customer must provide all employees, agents and contractors a photo identification card which identifies the person by name and the name of the customer. The ID must be worn on the individual's exterior clothing while in the Telephone Company buildings. The Telephone Company will provide the customer with instructions and necessary access cards or keys to obtain access to Telephone Company buildings.
- (E) In wire centers where the customer's space cannot be partitioned, the customer's employee, agent or contractor will be escorted to and from the customer's area by a Telephone Company employee.  
  
Customers shall be subject to charges as set forth in Section 6.2(G) where the customer's employee, agent or contractor requires access outside of regular business hours.
- (F) The Telephone Company reserves the right to deny access to Telephone Company buildings for any customer's employee, agent or contractor who cannot meet the Telephone Company's established security standards.
- (G) The Telephone Company also reserves the right to deny access to Telephone Company buildings for any customer's employee, agent and contractor for falsification of records, violation of fire, safety or security practices and policies or other just cause.

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**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)**

**17.7 Physical EIS (Cont'd)**

**17.7.5 Security Requirements for Customer Access to Telephone Company Buildings (Cont'd)**

- (H) The customer is required to immediately notify the Telephone Company by the most expeditious means, when any customer's employee, agent or contractor with access privileges to Telephone Company buildings is no longer in its employ, or when keys, access cards or other means of obtaining access to Telephone Company buildings are lost, stolen or not returned by an employee, agent or contractor no longer in its employ.
  
- (I) The customer is responsible for the immediate retrieval and return to the Telephone Company of all keys, access cards or other means of obtaining access to Telephone Company buildings if lost, stolen or upon termination of employment of the customer's employee and/or discontinuance of service. The customer shall be responsible for the replacement cost of keys, access cards or other means of obtaining access when lost, stolen or failure of the customer or the customer's employee, agent or contractor to return to the Telephone Company.

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**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)**

**17.7 Physical EIS (Cont'd)**

**17.7.6 Insurance and Liability Requirements**

- (A) The customer shall, at its sole cost and expense, obtain, maintain, pay for and keep in force insurance as specified following and underwritten by an insurance company(s) having a best insurance rating of at least AA-12.
- (B) The Telephone Company shall be named as an additional insured and a loss payee on all applicable policies as specified following.
  - (1) Comprehensive general liability coverage on an occurrence basis in an amount of \$2,000,000.00 combined single limit for bodily injury and property damage with a policy aggregate of \$4,000,000.00. This coverage shall include the contractual, independent contractors products/completed operations, broad form property and personal injury endorsements.
  - (2) Umbrella/Excess Liability coverage in an amount of \$10,000,000.00 excess of coverage specified in (1) above.
  - (3) All Risk Property coverage on a full replacement cost basis insuring all of the customer's real and personal property located on or within the Telephone Company wire centers. The customer may also elect to purchase business interruption and contingent business interruption insurance, knowing that the Telephone Company has no liability for loss of profit or revenues should an interruption of service occur.

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**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)**

**17.7 Physical EIS (Cont'd)**

**17.7.6 Insurance and Liability Requirements (Cont'd)**

- (B) (Cont'd)
  - (4) Statutory Workers Compensation coverage.
  - (5) Contractual Liability coverage.
  - (6) Automobile Liability coverage.
  - (7) Employers Liability coverage in an amount of \$2,000,000.00.
- (C) All policies purchased by the customer shall be deemed to be primary and not contributing to or in excess of any similar coverage purchased by the Telephone Company.
- (D) All insurance must be in effect on or before the customer occupies the partitioned space and shall remain in force as long as the customer's facilities remain within any space governed by this tariff. If the customer fails to maintain the coverage, the Telephone Company may pay the premiums and seek reimbursement from the customer. Failure to make a timely reimbursement will result in disconnection of service as set forth in Section 2.1.8.
- (E) The customer shall submit certificates of insurance and copies of policies reflecting the coverage specified in (B) above at the time the ASR is placed. Commencement of work by the Telephone Company will not begin until these are received.
- (F) The customer shall arrange for the customer's insurance company to provide the Telephone Company with thirty (30) days advance written notice of cancellation.

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**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)**

**17.8 Virtual EIS**

**17.8.1 Availability of Service**

(A) Virtual EIS will be available to customers at all wire centers except as set forth following where the FCC has granted exemption of wire centers where insufficient space or other conditions prohibit the provision of EIS.

(Reserved for Future Use)

(B) Virtual EIS provides the means to interconnect, through an optical channel interface, to specified intrastate Access Services. Virtual EIS provides:

(1) Connection between customer provided and Telephone Company provided fiber optic transport facilities at a meet point within the mutually agreed to Telephone Company designated space outside a Telephone Company wire center, such as a manhole, and

(2) Conversion of optical to electrical signals, as appropriate, to allow interconnection between customer provided transport facilities and other specified intrastate Telephone Company services.

(C) The interconnection point for virtual EIS is the demarcation between ownership of the cable facilities.

(D) The Telephone Company will designate locations close to the wire center to be used as interconnection points for customer's facilities.

(E) None of the provisions of Section 17.5.3 apply or extend to any patron of the customer purchasing virtual EIS from the Telephone Company.

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Vice-President Regulatory & Government Affairs

Citizens Communications Company

5600 Headquarters Drive

Plano, TX 75024

Docket No. \_\_\_\_\_

Decision No. \_\_\_\_\_



**ACCESS SERVICE**

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**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)**

**17.8 Virtual EIS (Cont'd)**

**17.8.2 Obligations of the Customer**

- (A) When ordering virtual EIS, the customer shall designate the type of wire center and the type of transmission equipment dedicated to the customer's use. The customer may specify equipment which may be different from the equipment normally used by the Telephone Company to provide intrastate Access Services.
- (B) The customer may monitor and control the performance of all facilities and equipment used in the provision of virtual EIS.
- (C) The customer is responsible for initiating a request for maintenance of customer's facilities and termination equipment.
- (D) The customer is responsible for costs associated with training Telephone Company employees to install and maintain equipment other than equipment normally used by the Telephone Company.
- (E) The Telephone Company and the customer will work cooperatively to determine proper equipment and facilities requirements.

**17.8.3 Operation and Maintenance**

Where the Telephone Company uses contractors for installation, maintenance or repair of services, the customer may hire the same contractor directly for installation, maintenance or repair of customer designated equipment.

Where the Telephone Company does not use contractors, customer designated equipment and customer provided facilities used in the provision of virtual EIS will be installed, maintained and repaired by the Telephone Company. The Telephone Company will maintain and repair the customer designated termination equipment under the same time frame and standards as its own equipment.

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**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)**

**17.8.4 Customer Terminating Equipment Requirements**

- (A) Customer equipment installed in the Telephone Company manhole or similar location must comply with either the Telephone Company's list of approved products, or equipment that complies with wire center environmental and transmission standards in effect at the time the interconnection is made.
- (B) The customer shall be responsible for supplying the following:
  - Fiber Optic Cable and Fire Retardant Sheath  
Equipment located within the wire center
- (C) The customer shall be required to provide DS1 cable facilities in sufficient capacity for the Telephone Company to wire DS1 services in multiples of 28.
- (D) The customer shall be responsible for bringing his fiber optic cable to the wire center manhole and leave sufficient cable length in order for the Telephone Company to be able to fully extend such cable through to the customer's space. No splicing will be permitted in the manhole. Upon discontinuance of EIS, the customer relinquishes all rights, title and ownership of cable to the Telephone Company.
- (E) The Telephone Company is responsible for installing customer provided fiber optic cable in the cable space or conduit from the manhole to the wire center. This may be shared conduit with dedicated inner duct. The customer shall not be permitted to reserve wire center cable space or conduit. If new conduit is required, the Telephone Company will negotiate with the customer to determine the specific location. The Telephone Company reserves the right to manage its own wire center conduit requirements and to reserve vacant space for planned facility additions.

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**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)**

**17.8.4 Customer Terminating Equipment Requirements (Cont'd)**

- (F) The Telephone Company is responsible for installing a cable splice where the customer provided fiber optic cable meets customer provided fire retardant riser cable within the wire center cable vault or designated splicing chamber. The Telephone Company will provide space and racking for the placement of the splice enclosure. The Telephone Company will tag all entrance facilities to indicate ownership. The Telephone Company is responsible for placing the customer's fire retardant riser cable from the cable vault to the terminating equipment. The customer is responsible for providing fire retardant riser cable that meets Telephone Company standards.
- (G) Customer interconnection equipment installed with the Telephone Company's wire center facilities shall be subject to and comply with Telephone Company practices for ac/dc bonding and grounding requirements. This information will be provided to the customer in the general information packet.
- (H) Upon installation of the customer's equipment, with prior notice, the Telephone Company will schedule time to work with the customer during the turn-up phase of the equipment to ensure proper functionality between the customer's equipment and the connections to the Telephone Company's maintenance window time period.
- (I) All equipment installed within the Telephone Company wire center facilities shall meet standard requirements as applicable for Physical EIS as in Section 17.7.4.

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**ACCESS SERVICE**

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**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)****17.9 Rate Regulations**

This section contains specific regulations governing the rates and charges that apply for EIS. These charges are in addition to the applicable rates and charges for the Special Access Service ordered, as specified in Section 5 of this tariff.

**17.9.1 Types of Rates and Charges**

There are two types of rates and charges. These are monthly rates and nonrecurring charges.

**(A) Monthly Rates**

Monthly rates are recurring charges that apply each month or fraction thereof that an EIS is provided. Monthly rates for EIS will commence upon completion of the customer's partitioned space, irrespective of when the Special Access service is connected.

**(1) Partition Space Charge**

Partition Space is a monthly recurring charge associated with the provision of the environmentally conditioned space in a specific wire center. The Partition Space Charge applies on a per square foot basis.

**(2) Cable Space Charge**

The Cable Space Charge is a monthly recurring charge, applied per cable, associated with the space within the conduit, riser, cable racks, manhole and cable vault which the customer's cable occupies.

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**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)**

**17.9 Rate Regulations (Cont'd)**

**17.9.1 Types of Rates and Charges**

(A) Monthly Rates

(3) dc Power

The dc Power Charge is a monthly recurring charge associated with the provision of dc power to the customer's space. The dc Power Charge applies on a per square foot basis to all physical EIS.

(4) Maintenance

The Maintenance Charge is a monthly recurring charge associated with maintenance of the customer provided equipment. The charge is applicable per base module.

(5) Power Equipment

The Power Equipment charge is a monthly recurring charge applicable to Virtual EIS arrangements for costs associated with power equipment provided by the Telephone Company, including but not limited to cabling, fuse panels, power and floor space. this charge is dependent upon the type of customer designated equipment. This charge applies for each 20 Amp increment of power.

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17. **EXPANDED INTERCONNECTION SERVICES (Cont'd)**

17.9 **Rate Regulations (Cont'd)**

17.9.1 **Types of Rates and Charges (Cont'd)**

(B) **Nonrecurring Charges**

Nonrecurring charges are one-time charges that apply for specific work activity. The types of nonrecurring charges that apply for EIS are those listed below.

(1) **(Reserved for Future Use)**

(2) **Cable Pull Charge**

The Cable Pull Charge is associated with the work performed by the Telephone Company to pull and splice the customer's cable from the manhole to the cage or to the customer designated termination equipment.

This charge applies per wire center, per cable terminated.

(3) **Office Arrangement**

The Office Arrangement Charge is associated with work performed by the Telephone Company for the extension of power and construction of the cage or separate room where the customer's facilities will terminate. This charge applies on a per order, per wire center basis.

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**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)****17.9 Rate Regulations (Cont'd)****17.9.1 Types of Rates and Charges (Cont'd)****(B) Nonrecurring Charges (Cont'd)****(4) Building Modification Charge**

The Building Modification Charge is associated with work performed by the Telephone Company to provide modifications to the wire center to accommodate provisioning of EIS. These include, but are not limited to, security access card swipe equipment, construction of separate entrance/exit, construction of separate pathway or corridors, and/or additional security locks. This charge applies on a per order, per wire center basis. Additional charges may apply for extraordinary improvements.

**(5) Engineering/Installation Fee**

The Engineering/Installation Fee is associated with work performed by the Telephone Company to determine space requirements, engineer adequate amounts of power to the equipment, ensure adequate fire protection and install customer designated termination equipment. Separate charges apply for the installation of the base unit and each DS1 or DS3 card.

**(6) Training**

The Training Charge is associated with the costs incurred by the Telephone Company to train Telephone Company employees on the non-standard customer designated termination equipment for the provision of virtual EIS. This charge is on a case-by-case basis.

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**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)**

**17.9 Rate Regulations (Cont'd)**

**17.9.1 Types of Rates and Charges (Cont'd)**

(B) Nonrecurring Charges (Cont'd)

(7) Power Equipment Installation

The Power Equipment Installation Charge is associated with equipment used by the Telephone Company to provide the power supply for virtual EIS arrangements. This charge applies for each 20 AMP increment of power installed.

**17.9.2 Minimum Periods**

(A) The Minimum Period applicable to monthly EIS rate elements specified is six months.

(B) When EIS is discontinued prior to the expiration of the Minimum Period, charges are applicable for the remaining month(s) and/or fraction thereof of the Minimum Period.

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**ACCESS SERVICE****17. EXPANDED INTERCONNECTION SERVICES (Cont'd)****17.10 Virtual EIS Rates and Charges****17.10.1 Cable Space and Cable Pull**

<u>Wire Center</u>	<u>Monthly Charge Per Cable Space</u>	<u>Nonrecurring Charge Per Cable Pull</u>
Andover Route 81 Andover ANDVILXD	\$27.66	\$1,049.00
Bloomington-East 310 Eldorado Rd. Bloomington BLTNILXT	16.06	1,025.00
Bloomington-Main 110 E. Monroe Bloomington BLTNILXD	24.39	1,078.00
Carbondale-Main 214 W. Monroe Carbondale CRDLILXE	19.97	1,097.00
Carthage 30 S. Washington Carthage CRTHILXC	14.16	998.00
DeKalb 225 E. Locust DeKalb DKLBILXA	13.17	1,015.00

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**ACCESS SERVICE****17. EXPANDED INTERCONNECTION SERVICES (Cont'd)****17.10 Virtual EIS Rates and Charges (Cont'd)****17.10.1 Cable Space and Cable Pull (Cont'd)**

<u>Wire Center</u>	<u>Monthly Charge Per Cable Space</u>	<u>Nonrecurring Charge Per Cable Pull</u>
Freeport 302 W. Main Freeport FRPTILXA	26.40	1,138.00
Jacksonville 330 W. Beecher Jacksonville JCVLILXC	25.30	1,095.00
Lawrenceville Rt. #1 South Lawrenceville LRVLILXE	17.82	1,023.00
Lincoln 303 Broadway Lincoln LNCLILXC	22.84	1,039.00
Macomb 220 E. Washington Macomb MCMBILXD	19.97	1,056.00
Oregon 210 N. 5th Street Oregon ORGNILXA	22.19	1,113.00

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**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)**

**17.10 Virtual EIS Rates and Charges (Cont'd)**

**17.10.2 Equipment Rates and Charges**

		<u>Monthly Charges</u>
<u>Power Equipment,</u>		
Per 20 Amps of Power		\$194.44
 <u>Maintenance,</u>		
Per Termination		184.69
		 <u>Nonrecurring Charges</u>
 <u>Engineering/Installation Fee ,</u>		
Per base module		
OC1	(SP1DQ)	\$3,273.80
90 Mbps	(SP1DR)	3,273.80
OC3	(SP1DS)	3,780.60
OC12	(SP1DT)	4,287.40
OC24	(SP1DU)	4,917.50
OC48	(SP1DV)	5,547.60
NGDLC	(SP1DW)	5,547.60
 <u>Engineering/Installation Fee,</u>		
Per card installed		
OC1	DS1 (SP1DC)	\$202.04
	DS3 (SP1DD)	428.06
90 Mbps	DS1 (SP1DE)	202.04
	DS3 (SP1DF)	428.06
OC3	DS1 (SP1DG)	202.04
	DS3 (SP1DH)	428.06
OC12	DS3 (SP1DJ)	428.06
OC24	DS3 (SP1DK)	428.06
OC48	DS3 (SP1DL)	428.06
NGDLC	DS0 (SP1DM)	101.02
	DS1	202.04
	DS3	428.06

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**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)**

**17.10 Virtual EIS Rates and Charges (Cont'd)**

**17.10.2 Equipment Rates and Charges (Cont'd)**

Nonrecurring Charges

Engineering/Installation Fee (Cont'd)

Per DS0 Blocks Installed

Ranges

144-224	(SP1C2)	\$2,695.40
225-448	(SP1C3)	3,773.56
449-784	(SP1C4)	5,121.26
785-1232	(SP1C5)	6,738.50
1233-1680	(SP1C6)	8,355.74
1681-2128	(SP1C7)	9,972.98
2129-2576	(SP1C8)	11,590.22
2577-3024	(SP1C9)	13,207.46
DS1	(SP1DN)	202.04
DS3	(SP1DO)	428.06

Power Equipment Installation,

Per 20 Amps of power

2,268.60

Training,

Per Wire Center

ICB

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17. **EXPANDED INTERCONNECTION SERVICES (Cont'd)**

17.11 **Physical EIS Rates and Charges**

17.11.1 **Engineering Fee**

(Reserved for Future Use)

17.11.2 **Space and Power**

(Reserved for Future Use)

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Decision No. \_\_\_\_\_

18. AGREEMENTS WITH TELECOMMUNICATIONS CARRIERS PURSUANT TO SECTIONS 251 AND 252 OF THE FEDERAL TELECOMMUNICATIONS ACT OF 1996.

The Telephone Company has entered into agreements with telecommunications carriers pursuant to Sections 251 and 252 of the Federal Telecommunications Act of 1996. Section 252(i) of the Act provides that The Telephone Company must make available any interconnection, service or network element provided under such an agreement to any other requesting telecommunications carrier upon the same terms and conditions as those provided in the agreement. The Telephone Company's Agreements have been filed with the Office of the Chief Clerk. The contracts available to takers of the service tariffed in this volume are:

<u>Docket No.</u>	<u>Expiration Date</u>	<u>Contracting Carrier</u>
01-0395	June 10, 2002	1-800-RECONNEX
01-0397	December 23, 2000	Camarato Distributing
01-0415	February 1, 2002	Aero Communications, LLC
01-0416	October 8, 2001	Now Communications, Inc.
01-0417	July 25, 2002	Comm South Companies, Inc.
02-0653	August 15, 2003	Ciera Network Systems
02-0830	February 5, 2004	Cingular Wireless
02-0831	November 1, 2003	Cambridge Telecom Services, Inc.
03-0021	November 1, 2003	Sprint Communications Company L.P.
02-0869	March 12, 2004	Level 3 Communications, LLC
03-0014	January 24, 2004	Grafton Technologies, Inc.
03-0067	September 1, 2003	Cellco Partnership d/b/a Verizon Wireless
03-0443	February 1, 2004	Sprint Communications Company L.P.
03-0521	August 28, 2004	GlobalEyes Telecommunications, Inc.
03-0682	October 1, 2004	CAT Communications International, Inc.
04-0450	September 22, 2005	Swetland Internet, Inc.
04-0481	May 1, 2006	Essex Telcom, Inc.
04-0554	September 1, 2005	AT&T Wireless PCS, LLC
05-0087	March 24, 2006	Global Connection Inc. of America
05-0296	July 13, 2006	Oneida Network Services, Inc.
05-0297	July 13, 2006	Iowa Wireless Services, LLC d/b/a i wireless
05-0393	September 15, 2006	Diverse Communications, Inc.
05-0507	August 10, 2007	MCImetro Access Transmission
05-0778	August 31, 2006	Southern Illinois RSA partnership d/b/a First Cellular of Southern Illinois
06-0363	March 12, 2007	Level 3 Communications, LLC
06-0384	July 27, 2007	Granite Telecommunications, LLC
06-0524	August 31, 2007	Aero Communications, LLC (T)

\* Termination may be initiated by either party in accordance with the terms and conditions of the agreement.

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Effective: September 8, 2006

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Citizens Communications Company  
180 S. Clinton Avenue  
Rochester, NY 14646

Docket No. 06-0524

Decision No

**18. AGREEMENTS WITH TELECOMMUNICATIONS CARRIERS PURSUANT TO SECTIONS 251 AND 252 OF THE FEDERAL TELECOMMUNICATIONS ACT OF 1996. (Cont'd)**

<u>Docket No.</u>	<u>Expiration Date</u>	<u>Contracting Carrier</u>	
06-0589	October 26, 2007	T-Mobile USA, Inc.	
06-0589	October 26, 2007	T-Mobile Central LLC	
06-0589	October 26, 2007	Powertel/Memphis, Inc.	
06-0671	November 22, 2007	Grafton Technologies	
07-0040	March 22, 2008	TMP Corporation	
08-0534	November 14, 2009	Big River Telephone Company, LLC	
10-0444	August 21, 2011	MediaCom Telephony of Illinois, LLC	
10-0484	September 11, 2011	Metropolitan Telecommunications of Illinois, Inc.	
10-0652	October 23, 2011	New Windsor Cable, TV.	
11-0752	February 23, 2013	Consolidated Communications Enterprise Service Inc.	
13-0299	June 18, 2015	Comcast Phone of Illinois, LLC	
14-0131	May 13, 2015	ShawneeLEC, Inc.	
14-0487	October 8, 2015	Teleport Communications America, LLC	
14-0592	November 25, 2015	MTC Communications, Inc.	
14-0591	When cancelled by either party	Big River Telephone Company, LLC	
14-0565	When cancelled by either party	T-Mobile Central LLC	
14-0610	When cancelled by either party	United States Cellular Operating Company of Chicago, LLC	
14-0610	When cancelled by either party	USCOC of Central Illinois, LLC	
15-0110	When cancelled by either party	365 Wireless	(N) (N)

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**Vice President Regulatory Affairs  
Citizens Communications Company  
180 S. Clinton Avenue  
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**Docket No. 15-0110**

**Decision No**

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**18. AGREEMENTS WITH TELECOMMUNICATIONS CARRIERS PURSUANT TO SECTIONS 251 AND 252 OF THE FEDERAL TELECOMMUNICATIONS ACT OF 1996. (Cont'd)**

Docket No.      Expiration Date      Contracting Carrier

(D)

(D)

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18. **AGREEMENTS WITH TELECOMMUNICATIONS CARRIERS PURSUANT TO SECTIONS 251 AND 252 OF THE FEDERAL TELECOMMUNICATIONS ACT OF 1996. (Cont'd)**

Docket No.      Expiration Date      Contracting Carrier

(D)

(D)

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Issued: August 17, 2001

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**19. RATE ZONE WIRE CENTERS****19.1 General**

This section contains a list of each Telephone Company wire center that has been assigned to a rate zone. Rate zones are applicable to the services specified in Sections 4 and 5. This table lists, by jurisdiction, wire centers assigned to Rate Zones 1, 2, and 3.

**19.2 GTE/Former Alltel Wire Centers**

<u>RATE ZONE</u>	<u>CLLI</u>	<u>WIRE CENTER NAME</u>
1	JRVLILXE	JERSEYVILLE
2	BNHLILXE	BUNKER HILL
2	CRVLILXC	CARLINVILLE
2	HRDNILXE	HARDIN
2	MNMOILXD	MONMOUTH
2	MRSNILXA	MORRISON
3	ABNGILXD	ABINGDON
3	BNLDILXC	BENLD
3	BGVLILXD	BIGGSVILLE
3	BNHLILXE	BUNKER HILL
3	COFNILXC	COFFEEN
3	DNSNILXC	DONNELLSON
3	DOWILXE	DOW
3	FRBRILXA	EAST DUBUQUE/FAIRPLAY, WI
3	FLMRILXC	FILLMORE
3	FLTNILXA	FULTON
3	GLLSILXC	GILLESPIE
3	GNVWILXC	GREENVIEW
3	GLPTILXD	GULFPORT
3	HGCGILXE	HAMBURG
3	KMVLILAA	KAMPSVILLE
3	KRWDILXD	KIRKWOOD
3	LNMLILXD	LONDON MILLS
3	LYNDILXA	LYNDON
3	MTOLILXC	MOUNT OLIVE
3	NWDGILXC	NEW DOUGLAS
3	RMSYILXE	RAMSEY
3	RSVLILXD	ROSEVILLE

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**ACCESS SERVICE****19. RATE ZONE WIRE CENTERS (Cont'd)****19.3 Former Contel Wire Centers**

<u>RATE ZONE</u>	<u>CLLI</u>	<u>WIRE CENTER NAME</u>
3	SRNTILXC	SORENTO
3	STRNILXD	STRONGHURST
3	TTPLILXC	TEUTOPOLIS
2	ALEDILXD	ALEDO
2	EDBQILXS	EAST DUBUQUE
3	ADVLILXE	ADDIEVILLE
3	ALBYILXD	ALBANY
3	ALMTILXE	ALTAMONT
3	ALPHILXD	ALPHA
3	ALXSILXD	ALEXIS
3	ANDVILXD	ANDOVER
3	ASHYILXE	ASHLEY
3	BASCILXC	BASCO
3	BATHILXD	BATH
3	BCCYILXE	BEECHER CITY
3	BOWNILXC	BOWEN
3	BRSLILXE	BRUSSELS
3	BRTWILXE	BROWNSTOWN
3	BTLSILXE	BARTELSON
3	BTTWILXE	BATCHTOWN
3	CHFDILXE	CHESTERFIELD
3	CHWKILXA	CHADWICK
3	COLTILXA	COLETA
3	CRDVILXD	CORDOVA
3	CRTHILXC	CARTHAGE
3	DLCYILXC	DALLAS CITY
3	DUBSILXE	DUBOIS
3	EDWDILXE	EDGEWOOD
3	ELIZILXD	ELIZA
3	ELTNILXC	ELVASTON
3	ERIEILXD	ERIE
3	FARNILXE	FARINA
3	FLDNILXE	FIELDON
3	FRRSILXC	FERRIS
3	HLDLILXD	HILLSDALE

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19. RATE ZONE WIRE CENTERS (Cont'd)19.3 Former Contel Wire Centers (Cont'd)

<u>RATE ZONE</u>	<u>CLLI</u>	<u>WIRE CENTER NAME</u>
3	HMPNILXD	HAMPTON
3	HMTNILXC	HAMILTON
3	HPPLILXE	HOOPPLE
3	HTTCILXE	HETTICK
3	HYTNILXE	HOYLETON
3	INAAILXE	INA
3	IVTNILXE	IRVINGTON
3	JOY-ILXD	JOY
3	KLBRILXD	KILBOURNE-RLCM
3	KTBGILXD	KEITHBURG
3	KYPTILXE	KEYESPORT
3	LNRKILXA	LANARK
3	LTYRILXD	LITTLE YORK
3	MDVLILXA	MILLEDGEVILLE
3	MEDRILXE	MEDORA
3	MLGVILXE	MULBERRY GROVE
3	MSCYILXC	MASON CITY
3	MTVLILXD	MATHERVILLE
3	NAUVILXC	NAUVOO
3	NBTNILXD	NEW BOSTON
3	NHNDILXD	NORTH HENDERSON
3	NIOTILXC	NIOTA
3	NWMDILXE	NEW MINDEN
3	OQWKILXD	OQUAWKA
3	PATKILXE	PATOKA
3	POLOILXA	POLO
3	PPTWILXA	PROPHETSTOWN
3	PRMPILXD	PREEMPTION
3	PSBGILXE	PITTSBURG
3	PTBYILXD	PORT BYRON
3	RIO-ILXD	RIO
3	SETNILXD	SEATON
3	SHNNILXA	SHANNON
3	SHRRILXD	SHERRARD
3	SHTCILXE	SHATTUC

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Vice-President Regulatory &amp; Government Affairs

Citizens Communications Company

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**ACCESS SERVICE**

**19. RATE ZONE WIRE CENTERS (Cont'd)**

**19.3 Former Contel Wire Centers (Cont'd)**

<u>RATE ZONE</u>	<u>CLLI</u>	<u>WIRE CENTER NAME</u>
3	SHWYILXC	SHUMWAY
3	SNDVILXE	SANDOVAL
3	STEMILXE	ST. ELMO
3	STPRILXE	ST. PETER
3	STTRILXC	SUTTER
3	TAMRILXE	TAMAROA
3	THMSILXA	THOMAS
3	TMPCILXA	TAMPICO
3	WDLWILXE	WOODLAWN
3	WRSWILXC	WARSAW
3	WTSNILXC	WATSON
3	WTVLILXE	WALTONVILLE

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