

ACCESS SERVICE

Regulations, Rates and Charges
applying to the provision of Access Services
for connection to interstate communications facilities
for customers within the operating territories of the
BRIGHTSPEED OPERATING COMPANIES
listed on Title Page 2.

All material in this Tariff is new

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

This Brightspeed Local Operating Companies Tariff F.C.C. NO. 3 replaces in its entirety the rates, terms and conditions previously contained in CenturyLink Operating Companies Tariff F.C.C. NO. 3.

ISSUE DATE:
September 19, 2022

Issued Under Transmittal No. 1
Senior Regulatory and Compliance Counsel
1120 South Tryon St, Ste. 700
Charlotte, NC 28203

EFFECTIVE DATE:
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ACCESS SERVICE

ISSUING CARRIERS

All Regulations, Rates and Charges presented in this tariff are applicable to the following Issuing Carriers. Wire center locations for these Issuing Carriers are located in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4.

CenturyTel of Northern Alabama
1120 South Tryon St, Ste. 700
Charlotte, NC 28203

CenturyTel of Missouri, LLC
Includes:
CenturyTel of Belle-Hermann
CenturyTel of Southern Missouri
CenturyTel of Southwest Missouri
1120 South Tryon St, Ste. 700
Charlotte, NC 28203

Exchanges included in CenturyTel of Northern Alabama:

| | | | |
|----------------|----------------|------------|-----------------------|
| Alberta | Aliceville | Ashland | Bayou La Batre |
| Berry | Brilliant | Carrollton | Chulafinne |
| Coffeeville | Dauphin Island | Delta | Detroit |
| Double Springs | Ethelsville | Falkville | Fayette |
| Fowl River | Gordo | Grand Bay | Guin |
| Hackleburg | Haleyville | Hamilton | Heflin |
| Irvington | Jemison | Lecta | Lincoln |
| Lineville | Massey | Mentone | Morrisons Cross Roads |
| Notasulga | Oden Ridge | Orrville | Panola |
| Pell City | Phil Campbell | Pine Hill | Reform |
| Rockford | Sulligent | Tallassee | Thorsby |
| Trussville | Valley Head | Vernon | Wadley |
| Wedowee | Winfield | Woodland | |

Exchanges included in CenturyTel of Missouri, LLC:

| | | | | |
|--------------|----------------|---------------|----------------|-----------------|
| Belle | Hermann | Cabool | Mountain View | Seymour |
| West Plains | Willow Springs | Alton | Augusta | Bland |
| Blue Eye | Bourbon | Bradleyville | Branson | Branson West |
| Buffalo | Cape Fair | Cassville | Caulfield | Cedar Creek |
| Chamois | Conway | Cross Timbers | Cuba | Dardenne |
| Defiance | Dora | Elkland | Exeter | Foley |
| Fordland | Foristell | Forsyth | Gainesville | Galena |
| Hawk Point | Hermitage | High Hill | Highlandville | Holstein |
| Hurley | Jamestown | Jenkins | Jonesburg | Kimberling City |
| Koshkonong | Leasburg | Louisburg | Mano | Marshfield |
| Marthasville | Morrison | Moscow Mills | Mount Sterling | New Melle |
| Niangua | O'Fallon | Old Monroe | Ozark | Pittsburg |
| Prairie Home | Preston | Protom | Reeds Spring | Rockaway Beach |
| Safe | Shell Knob | Sparta | St. James | St. Peters |
| Summersville | Thayer | Theodosia | Thomasville | Troy |
| Truxton | Urbana | Vichy | Warrenton | Washburn |
| Wasola | Wentzville | Wheatland | Winfield | Woolridge |
| Wright City | | | | |

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SERVICES SUBJECT TO FORBEARANCE

Effective March 13, 2015, the Commission granted a CenturyLink petition to forbear from dominant carrier regulation and the Computer Inquiry tariffing requirement with respect to its packet-switched and optical transmission services (together, 'enterprise broadband services') that were still subject to those regulations. http://transition.fcc.gov/Daily_Releases/Daily_Business/2015/db0316/DOC-332526A1.pdf.

The terms, conditions and rates for services subject to that forbearance are published at:

<https://www.brightspeed.com/aboutus/legal/consumer/tariff-library>

DISCONTINUED SERVICES

Effective September 22, 2017 CenturyLink was granted authority pursuant to Section 63.71 of the Federal Communications Commission's ("Commission") rules, 47 C.F.R. § 63.71, and Section 214 of the Communications Act of 1934, as amended, 47 U.S.C. § 214, to discontinue its wholesale interstate Metallic, Telegraph, Narrowband, Wideband Analog, Wideband Digital and Analog Video services.

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Title Pages 1 and 2 and Pages 1 through 20-1 inclusive of this tariff are effective as of the date shown. Original and revised pages as named below contain all changes from the original Tariff that are in effect on the date hereof.

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CONCURRING CARRIERS

NO CONCURRING CARRIERS

CONNECTING CARRIERS

NO CONNECTING CARRIERS

OTHER PARTICIPATING CARRIERS

NO OTHER PARTICIPATING CARRIERS

REGISTERED SERVICE MARKS

NONE

REGISTERED TRADEMARKS

NONE

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EXPLANATION OF SYMBOLS

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

EXPLANATION OF ABBREVIATIONS

| | | |
|--------|---|--|
| ac | - | Alternating current |
| ACNA | - | Access Customer Name Abbreviation |
| AML | - | Actual Measured Loss |
| AN | - | Automatic Number Identification |
| AP | - | Program Audio |
| ASR | - | Access Service Request |
| AT&T | - | American Telephone and Telegraph Company |
| ATM | - | Asynchronous Transfer Mode (ATM) Network Service |
| BD | - | Business Day |
| BDS | - | Business Data Service |
| BHMC | - | Busy Hour Minutes of Capacity |
| BSA | - | Basic Serving Arrangement |
| BSE | - | Basic Service Element |
| CAC | - | Carrier Access Code |
| CAROT | - | Centralized Automatic Reporting on Trunks |
| CCS7 | - | Common Channel Signaling System 7 |
| CI | - | Changes Interface |
| CIC | - | Carrier Identification Code |
| CO | - | Central Office |
| COCTX | - | Central Office Centrex |
| Cont'd | - | Continued |
| CPE | - | Customer Provided Equipment |
| Ctx | - | Centrex |
| dB | - | decibel |
| dBrnC | - | Decibel Reference Noise C-Message Weighting |
| dBrnCO | - | Decibel Reference Noise C-Message Weighted O |
| dBv | - | Decibel(s) Relative to 1 Volt (Reference) |
| dBvl | - | Decibel(s) Relating to 1 Volt (Reference) |
| dc | - | direct current |
| DSAL | - | Dedicated Switched Access Line |
| DSAT | - | Dedicated Switched Access Transport |

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EXPLANATION OF ABBREVIATIONS (Cont'd)

| | | |
|-------|---|---------------------------------------|
| EDD | - | Envelope Delay Distortion |
| ELEPL | - | Equal Level Echo Path Loss |
| EML | - | Expected Measured Loss |
| EPL | - | Echo Path Loss |
| ERL | - | Echo Return Loss |
| ESS | - | Electronic Switching System |
| ESSX | - | Electronic Switching System Exchange |
| EUCT | - | End User Channel Termination |
| f | - | frequency |
| FID | - | Field Identifier |
| FCC | - | Federal Communications Commission |
| FX | - | Foreign Exchange |
| HC | - | High Capacity |
| Hz | - | Hertz |
| IC | - | Interexchange Carrier |
| ICB | - | Individual Case Basis |
| ICL | - | Inserted Connection Loss |
| Kbps | - | Kilobits per second |
| KHZ | - | Kilohertz |
| LATA | - | Local Access and Transport Area |
| Ma | - | Milliamperes |
| Mbps | - | Megabits per second |
| MF | - | Multifrequency |
| MHz | - | Megahertz |
| MMUC | - | Minimum Monthly Usage Charge |
| MRC | - | Monthly Recurring Charge |
| MT | - | Metallic |
| MTS | - | Message Telecommunications Service(s) |
| NPA | - | Numbering Plan Area |
| NRC | - | Nonrecurring Charge |
| NTS | - | Non-Traffic Sensitive |
| NXX | - | Three-Digit Central Office Code |
| OCN | - | Optical Carrier Rate |
| OTPL | - | Zero Transmission Level Point |
| PBX | - | Private Branch Exchange |
| PCM | - | Pulse Code Modulation |
| PLP | - | Private Line Ringdown |
| POT | - | Point of Terminations |
| PSTN | - | Public Switched Telephone Network |
| PVU | - | Percent VoIP Usage |
| rms | - | root-mean-square |
| RSM | - | Remote Switching Modules |
| RSS | - | Remote Switching Systems |

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EXPLANATION OF ABBREVIATIONS (Cont'd)

| | | |
|-------|---|---|
| SCP | - | Service Control Point |
| SLC | - | Subscriber Line Charge |
| SONET | - | Synchronous Optical Network |
| SRL | - | Singing Return Loss |
| SS7 | - | Signaling System 7 |
| SSN | - | Switched Service Network |
| SSP | - | Service Switching Point |
| STP | - | Signaling Transfer Point |
| SWC | - | Serving Wire Center |
| | | |
| TDM | - | Time Division Multiplexing |
| TES | - | Telephone Exchange Service(s) |
| TLP | - | Transmission Level Point |
| TSP | - | Telecommunications Service Priority |
| TSPS | - | Traffic Service Position System |
| | | |
| VG | - | Voice Grade |
| V & H | - | Vertical & Horizontal |
| VoIP | - | Voice over Internet Protocol |
| | | |
| WATS | - | Wide Area Telecommunications Service(s) |

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REFERENCE TO OTHER TARIFFS

Whenever reference is made in this tariff to other tariffs of the Telephone Company, 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

The following technical publications are referenced in this tariff and may be obtained from Telcordia, Inc., Customer Service, 8 Corporate Place, Piscataway, N.J. 08854.

Compatibility Bulletin 106, Issue 2

Issued: January 30, 1998 December, 1981 Available: March 11, 1982

Technical Reference:

PUB 41004 Data Communications Using Voiceband Private Line Channels

Issued: January 30, 1998 October, 1973 Available: October, 1973

PUB 62310 Digital Data System Channel Interface Specification

Issued: January 30, 1998 September, 1983 Available: October, 1983

PUB 62411 High Capacity Digital Service Channel Interface Specifications

Issued: January 30, 1998 September, 1983 Available: October, 1983

TR-NPL-000334 Voice Grade Switched Access Service

Issued: January 30, 1998 June, 1986 Available: July, 1986

TR-NPL-000335 Voice Grade Special Access Service

Issued: January 30, 1998 June, 1986 Available: July, 1986

TR-NPL-000337 Program Audio Special Access Service

Issued: January 30, 1998 January, 1987 Available: January, 1987

GR-253-CORE, Issue 2

Issued: January 30, 1998 April, 1996 Available: December 29, 1997

GR-1YOD-CORE, Issue 1

Issued: January 30, 1998 March, 1994 Available: December 29, 1997

GR-1374-CORE, Issue 1

Issued: January 30, 1998 March, 1994 Available: December 29, 1997

GR-1089-CORE, Issue 2

Issued: December, 1997 February, 1999 Available: April, 2000

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TR-NPL-000338 Television Special Access and Local Channel Services

Issued: December, 1986 Available: December, 1986

TR-NPL-000341 Digital Data Special Access Service

Issued: September, 1986 Available: January, 1987

TR-NPL-000342 High Capacity Digital Special Access Service

Issued: January, 1987 Available: January, 1987

Multiple Exchange Carrier Access Billing Guidelines (MECAB)

Issued: December, 1991 Available: December, 1991

Multiple Exchange Carrier Ordering and Design Guidelines (MECOD)

Issued: November, 1989 Available: November, 1989

TR-NPL-000054 High Capacity Digital Service (1.544 Mbps) Interface
Generic Requirements for End Users

Issued: April, 1989 Available: April 1989

TR-TSV-000905 Common Channel Signaling (CCS) Network Interface
Specification, Issue 1

Issued: August, 1989 Available: August, 1989

TR-NWT-000499 Transport Systems Generic Requirements (TSGR),
Issue 4

Issued: November 1991 Available: November 1991

TR-NWT-000063 Network Equipment Building System (NEBS) Generic
Equipment Requirements, Issue 4

Issued: July 1991 Available: July 1991

TR-TSY-000191 Alarm Indication Signal Requirements and Objectives,
Issue 1

Issued: May 1986 Available: May 1986

TR-TSY-000487 Generic Requirements for Electronic Equipment
Cabinets, Issue 1

Issued: July 1989 Available: July 1989

TR-NPL-000320 Fundamental Generic Requirements for Metallic Digital
Signal Cross Connect Systems DSX-1, -1C, -2, -3,
Issue 1

Issued: April 1988 Available: April 1988

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Network Equipment – Building System (NEBS) – SR 3580. Issue 1
Issued: November, 1995 Available: April, 2000

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REFERENCE TO TECHNICAL PUBLICATIONS (Cont'd)

The following technical publication is referenced in this tariff and may be obtained from the Bell Communications Technical Education Center, Room B02, 6200 Route 53, Lisle, IL 60532.

Telecommunications Transmission Engineering
Volume 3 - Networks and Services (Chapter 6 and 7)
Second Edition, 1980
Issued: June, 1980 Available: June, 1980

The following Technical Publication is referenced in this tariff and may be obtained from the National Exchange Carrier Association, Inc., Director - Tariff and Regulatory Matters, 100 So. Jefferson Road, Whippany, NJ 07981 and the Federal Communications Commission's commercial contractor.

PUB AS No. 1, Issue II
Issued: May, 1984 Available: May, 1984
Addendum: March, 1987 Available: March, 1987

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

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

The following publication is referenced in this tariff and may be obtained from the Government Printing Office, Superintendent of Documents, Document Control Branch, 941 N. Capitol Street, N.E., Washington, DC 20401.

Telecommunications Service Priority (TSP) System for National Security Emergency Preparedness (NSEP) Service Vendor Handbook, National Communications Systems (NCS) H 3-1-2
Dated: July 9, 1990 Available: August 1990

Telecommunications Service Priority (TSP) System for National Security Emergency Preparedness (NSEP) Service User Manual, National Communications System (NCS) M 3-1-1
Dated: July 9, 1990 Available: August 1990

47 C.F.R. FCC Rules and Regulations, Part 15.109
Dated: October 1, 1995 Available: October 1995

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The following technical publication is referenced in this tariff and may be obtained from the American National Standards Institute, 1430 Broadway, New York, New York 10018.

ANSI T1.102, Issued 1987

ANSI T1.105, Issued 1996

ANSI T1.102, Issued 1996

The following technical publication is referenced in this tariff and may be obtained from the Underwriters Laboratory, Inc., Attention: Publications, 333 Pfingsten Road, Northbrook, Illinois 60062.

UL 94, Issued 1990

The following technical material is referenced in this tariff and may be obtained from the IETF, Corporation for National Research Initiatives (CNRI), Suite 100, Preston White Drive, Reston, VA 22091 and in electronic form at Internet locations <http://www.isi.edu/iab/> and <http://www.ietf.cnri.reston.va.us/>

Internet Engineering Task Force (IETF) and Internet Architecture Board (IAB) documentation on Internet protocol standards.

Changes to this material are readily available via the Internet addresses shown above.

The following publications are referenced in this tariff and may be obtained from the American National Standards Institute (ANSI), 11 West 42nd Street, New York, New York 10036.

ANSI / IEEE X3.802.3

Issue Date March 2002

ANSI / IEEE X3.802.3u

Issue Date June 1995

ANSI / IEEE X3.802.3z

Issue Date June 1998

The following publication is referenced in this tariff and may be obtained from the Internet Engineering Task Force (IETF), c/o Association Management Solutions, LLC, 48377 Fremont Blvd., Suite 117, Fremont, California 94538.

IETF RFC 4090

Issue Date May 2005

The following publication is referenced in this tariff and may be obtained from the International Communications Union, Place des Nations, 1211 Geneva 20, Switzerland.

ITU-TY.1731

Issue Date February 2008

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ACCESS SERVICE

1. Application of Tariff

- 1.1 This tariff contains regulations, rates and charges applicable to the provision of Carrier Common Line, End User Access, Universal Service Fund, Switched Access, Special Access End-User Channel Terminations (EUCTs) in Non-Competitive areas, Expanded Interconnection Service, and other miscellaneous services, hereinafter referred to collectively as service(s), provided by the Issuing Carriers of this tariff, hereinafter referred to as the Telephone Company or the Company, to customers.

The Special Access Service regulations, rates and charges in this tariff are for Special Access End-User Channel Terminations in non-competitive areas. In some instances, Special Access services will be referred to in general terms to assist in understanding the services that encompass an entire circuit.

Special Access Service that remains subject to Section 203 of the Communications Act must be filed in this tariff. Special Access Service not subject to Section 203 is provided outside this tariff. Documents, agreements or contracts that provide service outside this tariff may be accessed at the Company's website or the Company's other designated location. Rates and regulations for Special Access Service provided outside this tariff cannot supersede, negate or revise the rates and regulations contained within this tariff, and deemed lawful status does not convey to such non-tariffed services.

Pursuant to the Commission's Rules, regulations concerning administration and billing of Universal Service Fund rates and charges are contained in Sections 4 and 8 herein.

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

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ACCESS SERVICE

2. General Regulations

For Special Access Services, only Non-Competitive End-User Channel Terminations (EUCTs) are filed as part of this tariff. General Regulations for other Special Access Services to complete the circuit are outside this tariff and can be accessed at the Company's website or Company's other designated location.

2.1 Undertaking of the Company2.1.1 Scope

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

2.1.2 Limitations

- (A) The customer may not assign or transfer the use of services provided under this tariff; however, where there is no interruption of use or relocation of the services, such assignment or transfer may be made to:
 - (1) another customer, whether an individual, partnership, association or corporation, provided the assignee or transferee assumes all outstanding indebtedness for such services, and the unexpired portion of the minimum period and the termination liability applicable to such services, if any; or

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2. General Regulations (Cont'd)2.1 Undertaking of the Telephone Company (Cont'd)2.1.2 Limitations (Cont'd)

(A) (Cont'd)

- (2) a court-appointed receiver, trustee or other person acting pursuant to law in bankruptcy, receivership, reorganization, insolvency, liquidation or other similar proceedings, provided the assignee or transferee assumes the unexpired portion of the minimum period and the termination liability applicable to such services, if any.

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 rates, regulations and conditions contained in this tariff shall apply to such assignee or transferee.

- (B) The assignment or transfer of services does not relieve or discharge the assignor or transferor from remaining jointly or severally liable with the assignee or transferee for any obligation existing at the time of the assignment or transfer.
- (C) The regulations for the restoration and installation of Telecommunications Service Priority (TSP) System services shall be in accordance with Part 64, Subpart D, Appendix A, of the Federal Communications Commission's Rules and Regulations and Section 8.8 following.
- (D) Subject to compliance with the rules mentioned in (B) preceding, the services offered herein will be provided to customers on a first-come, first-served basis, except as outlined in (D) following.

When an end office is scheduled to be converted to an equal access end office, and a shortage of facilities exists, the Telephone Company will allocate available resources to participating ICs as set forth in 5.1.5(A) following.

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2. General Regulations (Cont'd)2.1 Undertaking of the Telephone Company (Cont'd)2.1.3 Liability

- (A) The Telephone Company's liability, if any, for its willful misconduct is not limited by this tariff. With respect to any other claim or suit, by a customer or by any others, for damages associated with the installation, provision, preemption, termination, maintenance, repair or restoration, of service, and subject to the provisions of (B) through (H) following, the Telephone Company's liability if any, shall not exceed an amount equal to the proportionate charge for the service for the period during which the service was affected. This liability for damages shall be in addition to any amounts that may otherwise be due the customer under this tariff as a Credit Allowance for a Service Interruption.
- (B) The 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.
- (C) The Telephone Company is not liable for damages to the customer premises resulting from the furnishing of a service, including the installation and removal of equipment and associated wiring, unless the damage is caused by the Telephone Company's negligence.
- (D) The Telephone Company shall be indemnified, defended and held harmless by the customer against any claim, loss or damage arising from the customer's use of services offered under this tariff, involving:
 - (1) Claims for libel, slander, invasion of privacy, or infringement of copyright arising from the customer's own communications.

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2. General Regulations (Cont'd)2.1 Undertaking of the Telephone Company (Cont'd)2.1.3 Liability (Cont'd)

(D) (Cont'd)

(2) Claims for patent infringement arising from the customer's acts combining or using the service furnished by the Telephone Company in connection with facilities or equipment furnished by the customer or;

(3) All other claims arising out of any act or omission of the customer in the course of using services provided pursuant to this tariff.

(E) The Telephone Company does not guarantee or make any warranty with respect to its services 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 such customer's use of services so provided.

(F) No license under patents (other than the limited license to use) is granted by the Telephone Company or shall be implied or arise by estoppel, with respect to any service offered under this tariff.

(G) The Telephone Company's failure to provide or maintain services under this tariff shall be excused by labor difficulties, governmental orders, civil commotions, criminal actions taken against the Telephone Company, acts of God and other circumstances beyond the Telephone Company's reasonable control, subject to the Credit Allowance for a Service Interruption as set forth in 2.4.4 following.

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ACCESS SERVICE

2. General Regulations (Cont'd)2.1 Undertaking of the Telephone Company (Cont'd)2.1.4 Provision of Services

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

2.1.5 Installation and Termination of Services

Except as provided for Expanded Interconnection Service specified in Section 17, the services 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 location at the customer-designated premises and (B) will be installed by the Telephone Company to such Point of Termination. The Telephone Company will work cooperatively with the customer to determine the location of the Point of Termination in accordance with the Telephone Company's standard operating procedures.

Each Access Service has only one Point of Termination per customer premises. Any additional terminations beyond such Point of Termination are the sole responsibility of the customer. Moves of the Point of Termination are handled as set forth in 6.5.4(C) and 7.2.1(D)(3).

2.1.6 Maintenance of Services

- (A) The services 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 facilities 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 or Telephone Company access tandem for purposes of physical Expanded Interconnection Service (EIS), as set forth in Section 17, will not be maintained by the Telephone Company. Customer provided facilities and equipment terminating in Telephone Company manhole or similar location for virtual EIS will 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, Substitutions and Rearrangements

Except as provided for equipment and systems subject to FCC Part 68 Regulations at 47 C.F.R Section 68.110(b), the Telephone Company may, where such action is reasonably required in the operation of its business;

- (A) Substitute, change or rearrange any facilities used in providing service under this tariff, including but not limited to;
 - (1) substitution of different metallic facilities,
 - (2) substitution of carrier or derived facilities for metallic facilities used to provide other than metallic facilities, and
 - (3) substitution of metallic facilities for carrier or derived facilities used to provide other than metallic facilities; and
 - (4) change in the routing of access service traffic.
- (B) Change minimum protection criteria;
- (C) Change operating or maintenance characteristics of facilities or,
- (D) Change operations or procedures of the Telephone Company.

In case of any such substitution, change or rearrangement, the transmission parameters will be within the range as set forth in 6., 7. and 9. following. 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 of the facility, the Telephone Company will provide reasonable notification to the customer in writing. Reasonable time will be allowed for any redesign and implementation required by the change in operating characteristics. The Telephone Company will work cooperatively with the customer to determine reasonable notification procedures.

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2. General Regulations (Cont'd)2.1 Undertaking of the Telephone Company (Cont'd)2.1.8 Refusal and Discontinuance of Service

(A) Unless the provisions of 2.2.1(B) or 2.5.1 following apply, if a customer fails to comply with the regulations set forth in: 2.1.6, Maintenance of Service; 2.2.2, Unlawful Use; 2.3.1, Damages; 2.3.4, Availability for Testing; 2.3.5, Balance; and 2.4, Payment Arrangements and Credit Allowances or, if applicable, 2.5.3, 2.5.4, 17.3.4 and 17.7.6(D), Expanded Interconnection Service (EIS) or fails to make any payment to be made by it on the dates and times herein specified, the Telephone Company may, on thirty (30) days written notice, by mail or by email if the customer is billed electronically or consents to receiving electronic notification, to the person designated by that customer to receive such notices of noncompliance:

- (1) Refuse additional applications for service and/or refuse to complete any pending orders for service by the non-complying customer; and/or
- (2) Discontinue the provision of the services to the noncomplying customer. In the case of such discontinuance, all applicable charges including termination charges shall become due.

If the Telephone Company does not refuse additional applications for service on the date specified in the thirty (30) days notice given pursuant to (1) above, or does not discontinue its provision of services involved on the date specified in the thirty (30) day notice given pursuant to (2) above and the customer's noncompliance continues, nothing contained herein shall preclude the Telephone Company's right to refuse additional applications for service to the non-complying customer without further notice.

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2. General Regulations (Cont'd)2.1 Undertaking of the Telephone Company (Cont'd)2.1.8 Refusal and Discontinuance of Service (Cont'd)

- (B) When access service is provided by more than one Telephone Company, the Companies involved in providing the joint service may individually or collectively deny service to a customer for nonpayment. Where the Telephone Company(s) affected by the nonpayment is incapable of effecting discontinuance of service without cooperation from the other joint providers of Switched Access Service, such other Telephone Company(s) will, if technically feasible, assist in denying the joint service to the customer. Service denial for such joint service will only include calls originating or terminating within, or transiting, the operating territory of the Telephone Companies initiating the service denial for nonpayment. When more than one of the joint providers must deny service to effectuate termination for nonpayment in cases where a conflict exists in the applicable tariff provisions, the tariff regulations of the end office Telephone Company shall apply for joint service discontinuance.

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2. General Regulations (Cont'd)2.1 Undertaking of the Company (Cont'd)2.1.9 Limitation of Use of Metallic Facilities

Signals applied to a metallic facility shall conform to the limitations set forth in Technical Reference Publication AS No. 1.

2.1.10 Notification of Service-Affecting Activities

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

2.1.11 Coordination with Respect to Network Contingencies

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

2.1.12 Provision and Ownership of Telephone Numbers

The Company reserves the reasonable right to assign, designate or change telephone numbers, any other call number designations associated with Access Services, or the Company serving central office prefixes associated with such numbers, when necessary in the conduct of its business. Should it become necessary to make a change in such number(s), the Company will furnish to the customer 6 months notice, by Certified U.S. Mail, of the effective date and an explanation of the reason(s) for such change(s).

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ACCESS SERVICE

2. General Regulations (Cont'd)2.2 Use2.2.1 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 Expanded Interconnection Services, and associated with the facilities utilized to provide services under this tariff shall not interfere with or impair service over any facilities of the Telephone Company, its affiliated companies, or its connecting and concurring carriers involved in its services, cause damage to their plant, impair the privacy of any communications carried over their facilities or create hazards to the employees of any of them or the public.
- (B) Except as provided for equipment or systems subject to the FCC Part 68 Rules in 47 C.F.R Section 68.108, if such characteristics or methods of operation are not in accordance with (A) preceding, the Telephone Company will, where practicable, notify the customer that temporary discontinuance of the use of a service may be required; however, where prior notice is not practicable, nothing contained herein shall be deemed to preclude the Telephone Company's right to temporarily discontinue forthwith the use of a service if such action is reasonable under the circumstances. In case of such temporary discontinuance, the customer will be promptly notified and afforded the opportunity to correct the condition which gave rise to the temporary discontinuance. During such period of temporary discontinuance, credit allowance for service interruptions as set forth in 2.4.4 following is not applicable.

2.2.2 Unlawful Use

The service provided under this tariff shall not be used for an unlawful purpose.

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2. General Regulations (Cont'd)2.3 Obligations of the Customer2.3.1 Damages

The customer shall reimburse the Telephone Company for damages to Telephone Company facilities utilized to provide services under this tariff caused by the negligence or willful act of the customer, or resulting from the customer's improper use of the 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.

2.3.2 Ownership of Facilities and Theft

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

2.3.3 Equipment Space and Power

- (A) Except as specified in (B), 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 services under this tariff at the points of termination of such services. 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, testing, repairing or removing Telephone Company services.
- (B) Where available, the Telephone Company shall make available wire center or Telephone Company access tandem floor space and electrical power by the customer for the provision of Expanded Interconnection Service at charges set forth in Section 17.

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ACCESS SERVICE

2. General Regulations (Cont'd)2.3 Obligations of the Customer (Cont'd)2.3.4 Availability for Testing

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

2.3.5 Balance

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

2.3.6 Design of Customer Services

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

2.3.7 References to the Telephone Company

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

2.3.8 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 services provided under this tariff, any circuit, apparatus, system or method provided by the customer.

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2. General Regulations (Cont'd)2.3 Obligations of the Customer (Cont'd)2.3.8 Claims and Demands for Damages (Cont'd)

- (B) The customer shall defend, indemnify and save harmless the Telephone Company from and against any suits, claims, losses or damages, including punitive damages, attorney fees and court costs by third persons arising out of the construction, installation, operation, maintenance, or removal of the customer's circuits, facilities, or equipment connected to the Telephone Company's services 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 services 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, its officers, agents or employees.
- (C) The customer shall defend, indemnify and save harmless the Telephone Company from and against any suits, claims, losses or damages, including punitive damages, attorney fees and court costs by the customer or third parties arising out of any act or omission of the customer in the course of using services provided under this tariff.

2.3.9 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.

2.3.10 Sectionalization and Trouble Reporting

The customer will be responsible for reporting troubles sectionalized to Telephone Company facilities and/or equipment. When trouble cannot be clearly sectionalized to the Telephone Company facilities and/or equipment, the Telephone Company will test cooperatively or independently to assist in trouble sectionalization.

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2. General Regulations (Cont'd)2.3 Obligations of the Customer (Cont'd)2.3.11 Identification and Rating of VoIP-PSTN Traffic(A) Scope

VoIP-PSTN Traffic is defined as traffic exchanged between a 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 and compensation of VoIP-PSTN Traffic that is required to be compensated at access rates, unless the parties have agreed otherwise, by the Federal Communications Commission in its Report and Order in WC Docket Nos. 10-90, etc., FCC Release No. 11-161 (November 18, 2011)("FCC Order"). Specifically this section establishes the method of separating VoIP-PSTN Traffic from the customer's traditional intrastate access traffic, so that VoIP-PSTN Traffic can be billed in accordance with the FCC Order.

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

- Between the Initial Implementation date described in 2.3.11.(D)(1), and July 12, 2012, the applicable rate elements used in providing originating access for VoIP-PSTN Traffic and associated facilities will be billed according to interstate access rates.
- Effective July 13, 2012 the applicable rate elements used in providing originating access for intrastate VoIP-PSTN Traffic and associated facilities will be billed according to intrastate access rates. The applicable rate elements used in providing originating access for interstate VoIP-PSTN Traffic and associated facilities will be billed according to interstate access rates.
- Effective July 1, 2014 the applicable rate elements used in providing originating access for intrastate VoIP-PSTN Traffic and associated facilities will be billed according to interstate access rates.
- After the Initial Implementation date described in 2.3.11.(D)(1), terminating VoIP-PSTN Traffic and associated facilities will be billed according to interstate access rates.

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2. General Regulations (Cont'd)2.3 Obligations of the Customer (Cont'd)2.3.11 Identification and Rating of VoIP-PSTN Traffic (Cont'd)

(B) VoIP-PSTN Traffic and associated facilities identified in accordance with this tariff section will be billed at rates equal to the Telephone Company's applicable tariffed interstate switched access rate as specified in Section 6 following when applicable based on the schedule shown above.

(C) Calculation and Application of Percent VoIP Usage Factors

- (1) The Telephone Company will determine the number of VoIP-PSTN Traffic minutes of use ("MOU") to which interstate rates will be applied under (B) preceding, by applying an originating Percent VoIP Usage ("PVU") factor to the total intrastate access MOU originated by a Telephone Company end user and delivered to the customer and by applying a terminating PVU factor to the total intrastate access MOU terminated by a customer to the Telephone Company's end user.
- (2) The Telephone Company will use state average data and the customer provided Facility PVU to determine the monthly recurring credit for terminating VoIP-PSTN Traffic.
- (3) The customer will calculate and furnish to the Telephone Company an originating PVU factor representing the whole number percentage of the customer's total originating intrastate access MOU that the customer exchanges with the Telephone Company in the state that is received from the Telephone Company and that is terminated in IP format and that would be billed by the Telephone Company as intrastate access MOU.
- (4) The customer will calculate and furnish to the Telephone Company a terminating PVU factor representing the whole number percentage of the customer's total terminating intrastate access MOU that the customer exchanges with the Telephone Company in the state that is sent to the Telephone Company and which originated in IP format and that would be billed by the Telephone Company as intrastate access MOU.

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2. General Regulations (Cont'd)2.3 Obligations of the Customer (Cont'd)2.3.11 Identification and Rating of VoIP-PSTN Traffic (Cont'd)(C) Calculation and Application of Percent VoIP Usage Factors (Cont'd)

- (5) The customer will calculate and furnish to the Telephone Company a Facility PVU factor representing the whole number percentage of the customer's total monthly recurring switched transport charges that are associated with the intrastate access MOU included in the PVU factor.
- (6) The customer shall not modify their reported PIU factor to account for VoIP-PSTN traffic.
- (7) The customer provided originating PVU, the terminating PVU and the Facility PVU shall be based on information such as the number of the customer's retail VoIP subscriptions in the state (e.g. as reported on FCC Form 477), traffic studies, actual call detail or other relevant and verifiable information which will be provided to Telephone Company upon request.
- (8) The customer shall retain the call detail, work papers and information used to develop the PVU factors for a minimum of one year.
- (9) If the customer does not furnish the Telephone Company with a PVU factor, the Telephone Company will utilize a PVU equal to zero.

(M) Material moved to Original Page 2-13.1.1 of this section.

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2. General Regulations (Cont'd)2.3 Obligations of the Customer (Cont'd)2.3.11 Identification and Rating of VoIP-PSTN Traffic (Cont'd)(D) Initial Implementation of PVU Factors

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

(E) PVU Factor Updates

The customer may update the PVU factors quarterly using the method set forth in (C)(1) and (2) preceding. If the customer chooses to submit such updates, it shall forward to the Telephone Company, no later than 15 days after the first of January, April, July and/or October of each year, revised PVU factors based on data for the prior three months, ending the last day of December, March, June and September, respectively. The revised PVU factors will serve as the basis for future billing and will be effective on the next bill date, and shall serve as the basis for subsequent monthly billing until superseded by new PVU factors. No prorating or backbilling will be done based on the updated PVU factors.

(F) PVU Factor Verification

- (1) Not more than twice in any year, the Telephone Company may request from the customer an overview of the process used to determine the PVU factors, the call detail records, description of the method for determining how the end user originates or terminates calls in IP format, and other information used to determine the customer's PVU factors furnished to the Telephone Company in order to validate the PVU factors supplied. The customer shall comply, and shall reasonably supply the requested data and information within 15 days of the Telephone Company's request.

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2. General Regulations (Cont'd)2.3 Obligations of the Customer (Cont'd)2.3.11 Identification and Rating of VoIP-PSTN Traffic (Cont'd)(F) PVU Factor Verification (Cont'd)

- (2) The Telephone Company may dispute the customer's PVU factor based upon:
 - (a) A review of the requested data and information provided by the customer, or customer's refusal to provide the data and information to support the PVU factors.
 - (b) The Telephone Company's reasonable review of other market information, FCC reports on VoIP lines, such as FCC Form 477 or state level results based on FCC Local Competition Report or other relevant data.
 - (c) A change in the reported PVU factor by more than five percentage points from the preceding quarter.
- (3) If after review of the data and information, the customer and the Telephone Company establish revised PVU factors, the customer and the Telephone Company will begin using those revised PVU factors with the next bill period.
- (4) If the dispute is unresolved, the Telephone Company may initiate an audit. The Telephone Company shall limit audits of the customer's PVU factor to no more than twice per year. The customer may request that the audit be conducted by an independent auditor. In such cases, the associated auditing expenses will be paid by the customer.
 - (a) In the event that the customer fails to provide adequate records to enable the Telephone Company or an independent auditor to conduct an audit verifying the customer's PVU factors, the Telephone Company will bill the usage and associated facilities for all contested periods using the most recent undisputed PVU factors reported by the customer. If no undisputed PVU factors exist, then PVU factors of zero percent will be used for all contested periods. These PVU factors will remain in effect until the audit can be completed.

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2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

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

(F) PVU Factor Verification (Cont'd)

(4) (Cont'd)

- (b) During the audit, the undisputed PVU factors from the previous reporting period will be used by the Telephone Company.
- (c) The Telephone Company will adjust the customer's PVU factors based on the results of the audit and implement the revised PVU in the next billing period or quarterly report date, whichever is first. The revised PVU factors will apply for the next two quarters before new factors can be submitted by the customer.
- (d) If the audit supports the customer's PVU factors, the usage for the contested periods will be adjusted to reflect the customer's audited PVU factors.

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2. General Regulations (Cont'd)2.4 Payment Arrangements and Credit Allowances2.4.1 Payment of Rates, Charges and Deposits(A) Deposits

The Telephone Company will, in order to safeguard its interests, only 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 a service 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. Such deposit may not exceed the actual or estimated rates and charges for the service 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 service 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.

Such a deposit will be refunded or credited to the account when the customer has established credit or, in any event, after the customer has established a one-year prompt payment record at any time prior to the termination of the provision of the service to the customer. In case of a cash deposit, for the period the deposit is held by the Telephone Company, the customer will receive interest at the same percentage rate as that set forth in (C)(a) or in (C)(b), whichever is lower. The rate will be compounded daily for the number of days from the date the customer deposit is received by the Telephone Company to and including the date such deposit is credited to the customer's account or the date the deposit is refunded by the Telephone Company. Should a deposit be credited to the customer's account, as indicated above, no interest will accrue on the deposit from the date such deposit is credited to the customer's account.

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2. General Regulations (Cont'd)2.4 Payment Arrangements and Credit Allowances (Cont'd)2.4.1 Payment of Rates, Charges and Deposits (Cont'd)(B) Payment of Rates and Charges

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

- (1) For End User Access Service and Presubscription Service, the Company will establish a bill day each month for each end user account. The bill will cover End User Access Service charges for the ensuing billing period except for End User Access Service for the Federal Government which will be billed in arrears. Any applicable Presubscription Charges, any known unbilled charges for prior periods and any known unbilled adjustments for prior periods for End User Access Service and Presubscription Service will be applied to this bill. Such bills are due when rendered.
- (2) For Switched Access Service, Special Access Non-Competitive End User Channel Terminations (EUCTs), and Miscellaneous Service charges, the Company will establish a bill day each month for each customer account. The bill will cover non-usage sensitive service charges for the ensuing billing period for which the bill is rendered, any known unbilled non-usage sensitive charges for prior periods and unbilled usage charges for the period after the last bill day through the current bill day. Any known unbilled usage charges for prior periods and known unbilled adjustments will be applied to this bill. Payment for such bills is due as set forth in (3) following. If payment is not received by the payment date, as set forth in (3) following in immediately available funds, a late payment penalty will apply as set forth in (C) following.

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2. General Regulations (Cont'd)2.4 Payment Arrangements and Credit Allowances (Cont'd)2.4.1 Payment of Rates, Charges and Deposits (Cont'd)(B) Payment of Rates and Charges (Cont'd)

- (3) All bills dated as set forth in (2) preceding for service, provided to the customer by the Telephone Company 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, except as provided herein, and are payable in immediately available funds. 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 first Tuesday in November and the 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 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. 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.

(C) Late Payment Penalty

If any portion of the payment is received by the Company after the payment date as set forth in a. preceding, or if any portion of the payment is received by the Company in funds which are not immediately available to the Company, then a late payment penalty shall be due to the Company. The late payment penalty shall be the portion of the payment not received by the payment date times a late factor. The late factor shall be the lesser of:

- (a) The highest interest rate (in decimal value) which may be levied by law for commercial transactions, compounded daily for the number of days from the payment date to and including the date that the customer actually makes the payment to the Company, or
- (b) 0.000407 per day, compounded daily for the number of days from the payment date to and including the date that the customer actually makes the payment to the Company.

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2. General Regulations (Cont'd)2.4 Payment Arrangements and Credit Allowances (Cont'd)2.4.1 Payment of Rates, Charges and Deposits (Cont'd)(D) Billing Disputes

In the event that a billing dispute occurs concerning any charges billed to the customer by the Telephone Company the following regulations will apply.

- (1) The date of the dispute shall be the date on which the customer furnishes the Telephone Company sufficient documentation to investigate the claim. Documentation must include, at the minimum, the account number under which the bill has been rendered, the date of the bill, the specific items on the bill being disputed, and, when possible, the applicable tariff section if the dispute is predicated on a tariff rate or regulation.
- (2) The date of resolution shall be the date on which the Telephone Company completes its investigation of the dispute, notifies the customer of the disposition and applies a credit for the amount of the dispute resolved in the customer's favor or late payment penalty as appropriate. The Telephone Company will work cooperatively with any customer to resolve billing disputes.
- (3) If a billing dispute is resolved in favor of the Telephone Company, any payments withheld pending resolution of the dispute shall be subject to the late payment penalty as set forth in (C) preceding.
- (4) If the customer pays the total billed amount and disputes all or part of the amount, the Telephone Company will refund any overpayment and will apply a credit for a disputed amount penalty as set forth in (a) following.
- (4) If the customer pays the total billed amount and disputes all or part of the amount, the Telephone Company will refund any overpayment and will apply a credit for a disputed amount penalty as set forth in (a) following.
 - (a) If a customer disputes a bill within ninety (90) days of the payment date established by the Telephone Company, and the billing dispute is resolved in favor of the customer, the customer will receive a credit for a disputed amount penalty from the Telephone Company for the period starting with the date of overpayment and ending on the date of resolution. The credit for a disputed amount penalty shall be an amount equal to the disputed amount resolved in the customer's favor times a penalty factor as set forth in (C)(a) or (C)(b), whichever is less.

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2. General Regulations (Cont'd)2.4 Payment Arrangements and Credit Allowances (Cont'd)2.4.1 Payment of Rates, Charges and Deposits (Cont'd)(D) Billing Disputes (Cont'd)

(4) (Cont'd)

- (b) If a customer disputes a bill after ninety (90) days from the payment date established by the Telephone Company, and the billing dispute is resolved in favor of the customer, the customer will receive a credit for a disputed amount penalty from the Telephone Company for the period starting with the latter of the date of claim or date of overpayment and ending on the date of resolution. The credit for a disputed amount penalty shall be an amount equal to the disputed amount resolved in the customer's favor times the penalty found in (C)(a) or (C)(b), whichever is less.

(E) Billing Adjustments and Rounding

Adjustments for the quantities of services established or discontinued in any billing period beyond the minimum period set forth for services in other sections of this tariff will be prorated to the number of days or major fraction of days based on a 30 day month. When a rate as set forth in this tariff is shown to more than two decimal places, the charges will be determined using the rate shown. The resulting amount will then be rounded to the nearest penny (i.e., rounded to two decimal places).

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.1 Payment of Rates, Charges and Deposits (Cont'd)

(F) Provision of Access Service Bill Verification

- (1) The Telephone Company will, upon reasonable request and if available, furnish such detailed information as may 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)2.4.2 Minimum Periods

The minimum period for which services are provided are for which rates and charges are applicable is one month except as otherwise specified. The minimum periods for which Expanded Interconnection Services are provided and which rates are applicable are in Section 17. The minimum period for which service is provided and for which rates and charges are applicable for a Specialized Service or Arrangement provided on an individual case basis as set forth in 12 following, is one month unless a different minimum period is established which the individual case filing. When a service is discontinued prior to the expiration of the minimum period, charges are applicable, whether the service is used or not, as follows:

- (A) When a service with a one month minimum period is discontinued prior to the expiration of the minimum period, a one month charge will apply at the rate level in effect at the time service is discontinued.
- (B) When a service with a minimum period greater than one month is discontinued prior to the expiration of the minimum period, the applicable charge will be the lesser of:
 - (1) the Telephone Company's total nonrecoverable costs less the net salvage value for the discontinued service, or
 - (2) the total monthly charges, at the rate level in effect at the time service is discontinued, for the remainder of the minimum period.

2.4.3 Cancellation of an Order for Service

Provisions for the cancellation of an order for service are set forth in Section 5.3.2 following.

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2. General Regulations (Cont'd)2.4 Payment Arrangements and Credit Allowances (Cont'd)2.4.4 Credit Allowance for Service Interruption(A) General

A service is interrupted when it becomes unusable to the customer because of failure of a facility component used to furnish service under this tariff or in the event that the protective controls applied by the Telephone Company result in the complete loss of service by the customer as set forth in 6.4(A) following. An interruption period starts when an inoperative service is reported to, or discovered by, the Telephone Company designated trouble reporting office and ends when the service is operative. The customer is responsible for sectionalizing trouble to the Telephone Company facilities and/or equipment as set forth in 2.3.10 preceding.

In case of an interruption to any service, allowance for the period of interruption, if not due to the negligence of the customer, shall be calculated as set forth in (B) and (C) following. Interruptions for which no credit allowance applies are set forth in (D) following.

The credit allowance for an interruption or for a series of interruptions shall not exceed the monthly rate, less any discount, and minimum monthly usage charge for the service interrupted in any one monthly billing period.

For purposes of this section of the tariff, "major fraction" is defined as that time period representing one-half or more of the incremental time period used to apply the credit allowance for those specific services listed in (B) following.

Service interruptions for Specialized Service or Arrangements provided under the provisions of 12., following shall be administered in the same manner as those set forth in this section (2.4.4) unless other regulations are specified with the individual case filing.

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2. General Regulations (Cont'd)2.4 Payment Arrangements and Credit Allowances (Cont'd)2.4.4 Credit Allowance for Service Interruption (Cont'd)(B) Special Access Services

For Special Access Non-Competitive End User Channel Terminations (EUCTs) (other than Program Audio) and for Switched Access Entrance Facilities, Direct-Trunked Transport and Multiplexing services, no credit shall be allowed for an interruption of less than 30 minutes. The customer shall be credited for an interruption of 30 minutes or more at the rate of 1/1440 of the monthly charges for the facility or service for each period of 30 minutes or major fraction thereof that the interruption continues.

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2. General Regulations (Cont'd)2.4 Payment Arrangements and Credit Allowances (Cont'd)2.4.4 Credit Allowance for Service Interruptions (Cont'd)(B) Special Access Services (Cont'd)

(1) (Cont'd)

- (a) The monthly charges used to determine the credit shall be as follows:
- (b) For two point services, the monthly charge subject to credit shall be the total of all the monthly rate element charges associated with the service (i.e., two Non-Competitive End User Channel Terminations (EUCTs) and optional features and functions).
- (c) For multipoint services, the monthly charge subject to credit shall be only the total of all the monthly rate element charges associated with that portion of the service that is inoperative (i.e., Non-Competitive EUCTs) and optional features and functions).

For multiplexed services, the monthly charge subject to credit shall be the total of all the monthly rate element charges associated with that portion of the service that is inoperative. When the facility which is multiplexed or the multiplexer itself is inoperative, the monthly charge shall be the total of all the monthly rate element charges associated with the service (i.e., the Non-Competitive EUCT). When the service which rides a circuit of the multiplexed facility is inoperative, the monthly charge shall be the total of all the monthly rate element charges associated with that portion of the service from the Hub to a customer premises (i.e., Non-Competitive EUCT and optional features and functions).

- (2) For Special Access Program Audio Non-Competitive EUCTs, no credit shall be allowed for an interruption of less than 30 seconds. The customer shall be credited for an interruption of 30 seconds or more as follows:
 - (a) For two-point services, when monthly rates are applicable, the credit shall be at the rate of 1/8640 of the monthly charges for the service for each period of 5 minutes or major fraction thereof that the interruption continues.

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2. General Regulations (Cont'd)2.4 Payment Arrangements and Credit Allowances (Cont'd)2.4.4 Credit Allowance for Service Interruptions (Cont'd)(B) Special Access Services (Cont'd)

(2) (Cont'd)

- (b) For two-point services, when daily rates are applicable, the credit shall be at the rate of 1/288 of the daily charges for the service for each period of 5 minutes or major fraction thereof that the interruption continues.
 - (c) For multipoint services, when monthly rates are applicable, the credit shall be at the rate of 1/8640 of the monthly charges for each Non-Competitive End User Channel Termination (EUCT) and optional features and functions that are inoperative for each period of 5 minutes or major fraction thereof that the interruption continues.
 - (d) For multipoint services, when daily rates are applicable, the credit shall be at the daily rate of 1/288 of the daily charges for each Non-Competitive EUCT and optional features and functions that is inoperative for each period of 5 minutes or major fraction thereof that the interruption continues.
 - (e) When two or more interruptions occur during a period of 5 consecutive minutes, such multiple interruptions shall be considered as one interruption.
- (3) For certain Special Access Non-Competitive EUCTs (Digital Data Access, DA1-4; and High Capacity, HC1), any period during which the error performance is below that specified for the service will be considered as an interruption.

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2. General Regulations (Cont'd)2.4 Payment Arrangements and Credit Allowances (Cont'd)2.4.4 Credit Allowance for Service Interruptions (Cont'd)(B) Special Access Services (Cont'd)

(4) Reserved for Future Use

- (5) Except as noted, all Special Access Non-Competitive End User Channel Terminations (EUCTs) 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 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(B)(1). A credit allowance will not be extended in accordance with conditions in 2.1.3 and 2.4.4(D) for repair of Company owned facilities.

The exceptions to this credit allowance are Program Audio Service - Daily Rates in 7.6.5, Individual Case Basis Services in 7.12, and Specialized Service Arrangements in 12.

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2. General Regulations (Cont'd)2.4 Payment Arrangements and Credit Allowances (Cont'd)2.4.4 Credit Allowance for Service Interruptions (Cont'd)(C) Switched Access Service

For Switched Access Service, other than Entrance Facilities, Direct-Trunked Transport and Multiplexing, no credit shall be allowed for an interruption of less than 24 hours. The customer shall be credited for an interruption of 24 hours or more at the rate of 1/30 of any applicable monthly charge, assumed usage, or minimum monthly usage charge for each period of 24 hours or major fraction thereof that the interruption continues.

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 and 2.4.4(D) for repair of Telephone Company owned facilities.

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 applied 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 and 2.4.4(D) for repair of Telephone Company owned facilities.

For Common Channel Signaling System 7 (CCS7) Access Service, described in Section 6.2.7, 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 service affected, for each 30 minutes or major fraction thereof that the interruption continues.

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2. General Regulations (Cont'd)2.4 Payment Arrangements and Credit Allowances (Cont'd)2.4.4 Credit Allowance for Service Interruptions (Cont'd)(C) Switched Access Service (Cont'd)

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 applied 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 and 2.4.4(D) for repair of Telephone Company owned facilities.

For Common Channel Signaling System 7 (CCS7) Access Service, described in Section 6.2.7, 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 service affected, for each 30 minutes or major fraction thereof that the interruption continues.

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2. General Regulations (Cont'd)2.4 Payment Arrangements and Credit Allowances (Cont'd)2.4.4 Credit Allowance for Service Interruptions (Cont'd)(D) When a Credit Allowance Does Not Apply

No credit allowance will be made for:

- (1) Interruptions caused by the negligence of the customer.
- (2) Interruptions of a service due to the failure of equipment or systems provided by the customer or others.
- (3) Interruptions of service during any period in which the Telephone Company is not afforded access to the premises where the service is terminated.
- (4) Interruptions of service when the customer has released that service to the Telephone Company for maintenance purposes, to make rearrangements, or for the implementation of an order for a change in the service during the time that was negotiated with the customer prior to the release of that service. Thereafter, a credit allowance as set forth in (B) preceding applies.
- (5) Interruptions of a service which continue because of the failure of the customer to authorize replacement of any element of special construction, as set forth in CenturyTel Operating Companies Tariff FCC No. 5 for Special Construction. The period for which no credit allowance is made begins on the seventh day after the customer receives the Telephone Company's written notification of the need for such replacement and ends on the day after receipt by the Telephone Company of the customer's written authorization for such replacement.
- (6) Periods when the customer elects not to release the service of testing and/or repair and continues to use it on an impaired basis.
- (7) An interruption or a group of interruptions, resulting from a common cause, for amounts less than one dollar.
- (8) Periods when the Telephone Company must temporarily interrupt an EIS, as defined in Section 17, in order to prevent damage or disruption to the Telephone Company's network due to the customer's equipment.
- (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 Service Interruptions (Cont'd)(E) Use of an Alternative Service Provided by the Company

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

(F) Temporary Surrender of a Service

In certain instances, the customer may be requested by the Company to surrender a service for purposes other than maintenance, testing or activity relating to a service order. If the customer consents, a credit allowance will be granted. The credit allowance will be 1/440 of the monthly rate for each period of 30 minutes or fraction thereof that the service is surrendered. In no case will the credit allowance exceed the monthly rate for the service surrendered in any one monthly billing period.

2.4.5 Re-establishment of Service Following Fire, Flood or Other Occurrence(A) Nonrecurring Charges Do Not Apply

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

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

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2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.5 Re-establishment of Service Following Fire, Flood or Other Occurrence (Cont'd)

(B) Nonrecurring Charges Apply

Nonrecurring Charges apply for establishing service at a different location on the same premises or at a different premises pending re-establishment of service at the original location.

2.4.6 Title or Ownership Rights

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

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2. General Regulations (Cont'd)2.4 Payment Arrangements and Credit Allowances (Cont'd)2.4.7 Access Services Provided by More Than One Telephone Company

The Telephone Company will perform the rating and billing of Access Services under this tariff where more than one Telephone Company is involved in the provision of Access Service as set forth in (A) or (B) following. The Single Company Billing arrangement as set forth in (A) following will be used for FGA and BSA-A Switched Access Services except where interconnection arrangements between the telephone companies involved permit the use of the Multiple Company Billing arrangement as set forth in (B) following. The Telephone Company will notify the customer of the billing arrangement when the customer orders FGA or BSA-A service. The Multiple Company Billing arrangement, as set forth in (B) following, will be used for all FGB, FGC, FGD, BSA-B, BSA-C, BSA-D, 800/877/888 Access, and 900 Access Switched Access Services and Special Access Services.

(A) Single Company Billing

The Telephone Company receiving the order from the customer as specified in 5.2(A) following will arrange to provide the service, determine the applicable charges and bill the customer for the entire service in accordance with its Access Services tariff.

(B) Multiple Company Billing

For access services subject to Multiple Company Billing, the customer will be billed in accordance with the Exchange Carrier Standards Association's Multiple Exchange Carrier Access Billing Guidelines (MECAB) and Multiple Exchange Carrier Ordering and Design Guidelines (MECOD). One of the following methods will be used:

- (1) Single Bill - The customer will receive a single bill for all access services provided by multiple Telephone Companies. The single bill will include all rate elements applicable to the access service provided under one billing account.

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2. General Regulations (Cont'd)2.4 Payment Arrangements and Credit Allowances (Cont'd)2.4.7 Access Services Provided by More Than One Telephone Company (Cont'd)(B) Multiple Company Billing (Cont'd)

- (1) Multiple Bill -The customer will receive a bill from each Telephone Company providing the access service. Multiple bills will include all charges applicable to the individual portion of the access service provided by each Telephone Company in accordance with the MECAB Guidelines:

The choice of billing method shall be determined by the Telephone Companies involved. The Telephone Company will notify the customer which method applies when the customer orders access service and will provide the customer thirty days' notice in the event that the billing method is changed.

- (2) Determination of Meet Point Billed Local Transport, Direct Transport and Channel Mileage Charges

Each Telephone Company's portion of the Local Transport and Channel mileage will be developed as follows:

- (a) Determine the appropriate Local Transport or Channel Mileage by computing the number of airline miles between the Telephone Company premises (end office, access tandem or serving wire centers for Switched Access or serving wire centers for Special Access) using the V&H method set forth in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4.
- (b) Determine the billing percentage (BP), as set forth in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4, which represents the portion of the service provided by each Telephone Company.

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2. General Regulations (Cont'd)2.4 Payment Arrangements and Credit Allowances (Cont'd)2.4.7 Access Services Provided by More Than One Telephone Company (Cont'd)(B) Multiple Company Billing (Cont'd)(2) Determination of Meet Point Billed Local Transport, Direct Transport and Channel Mileage Charges (Cont'd)

- (c) Originating rates are applicable when originating Tandem Switched Transport is provided. Terminating Tandem 3rd Party rates are applicable when Terminating Tandem Switched Transport is provided through a Brightspeed Local Operating Company (BLOC) ILEC Access Tandem and the Terminating End Office is not owned by a BLOC ILEC. Terminating Tandem 3rd Party rates are also applicable when Terminating Tandem Switched Transport is provided through an Access Tandem not owned by a BLOC ILEC and the Terminating End Office is owned by a BLOC ILEC (including Direct-Trunked Transport arrangements); otherwise, Terminating – Tandem End Office rates apply. For Feature Groups A, B, C and D Tandem Switched Transport:
- multiply the number of originating and terminating access minutes of use routed over the facility times the number of airline miles, as set forth in (a) preceding, times the BP for each Telephone Company, as set forth in (b) preceding, times the Tandem Switched Facility rate;
 - multiply the Tandem Switched Termination rate times the number of originating and terminating access minutes routed over the facility .

The Tandem Switched Termination rate is applied as set forth in 6.5.2 following. The Switched Access Nonrecurring Charges are applied as set forth in 6.5.4 following. (Note: The BP is not applied to the Switched Access Tandem Switched Termination rate or any Nonrecurring Charge.)

- (d) For Feature Groups A, B, C, and D Direct Trunked Transport:
- multiply the number of airline miles, as set forth in (a) preceding, times the BP for each Telephone Company, as set forth in (b) preceding, times the Direct Trunked Facility rate.
 - The Direct Trunked Termination rate is applied as set forth in 6.5.2 following. The Switched Access Nonrecurring Charges are applied as set forth in 6.5.4 following. (Note: The BP is not applied to either the Switched Access Direct Trunked Termination rate or any Nonrecurring Charge.)

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2. General Regulations (Cont'd)2.4 Payment Arrangements and Credit Allowances (Cont'd)2.4.7 Access Services Provided by More Than One Telephone Company (Cont'd)(B) Multiple Company Billing (Cont'd)(2) Determination of Meet Point Billed Local Transport, Direct Transport and Channel Mileage Charges (Cont'd)

(e) For Feature Groups A, B, C, and D.

- The Billing Percentage (BP) is not applicable to the Entrance Facility or Multiplexer.

(f) For Special Access, multiply the number of airline miles, as set forth in (a) preceding, times the BP for each Company, as set forth in (b) preceding, times the Channel Mileage Facility rate.

(g) For Directory Assistance Service, multiply the Direct Transport rate times the number of directory assistance calls times the BP for each Company, as set forth in (b) preceding.

(h) When three or more Companies are involved in providing an Access Service, the intermediate Company(s) will determine the charges as set forth in (c) through (g) preceding.

Additionally, when a segment of the Tandem Switched Facility, Direct Trunked Facility or Channel Mileage Facility is measured to the intermediate office(s), the Tandem Switched Termination, Direct Trunked Termination or Channel Mileage Termination rates are also applied at the intermediate Company(s) office(s).

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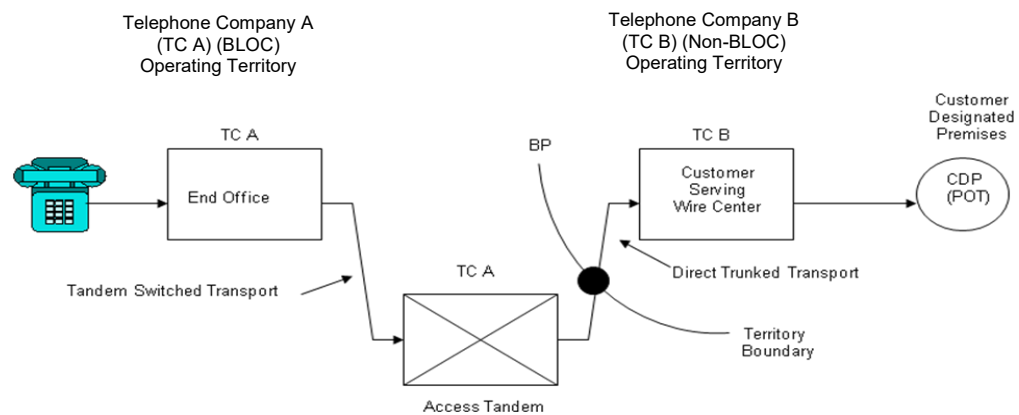
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(See Diagram 1)

- 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:
 - o TC-A Direct Trunk Transport BP = 40%
 - o TC-B Direct Trunk Transport BP = 60%
 - o Direct Trunked Transport mileage = 26 mi.
 - o Tandem Switched Transport mileage = 23 mi.

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2. General Regulations (Cont'd)2.4 Payment Arrangements and Credit Allowances (Cont'd)2.4.7 Access Services Provided by More Than One Telephone Company (Cont'd)(B) Multiple Company Billing (Cont'd)(2) Determination of Meet Point Billed Local Transport, Direct Transport and Channel Mileage Charges (Cont'd)(i) Example 1: Originating Switched Access (Cont'd)Diagram 1

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(See Diagram 1)

Telephone Company A charges are:

End Office charges = 9,000 min. x EO rate

Tandem Switched Facility charge
= 9,000 min. x 23 mi. x TSF rate

Tandem Switched Termination charge
= 2 terminations x 9,000 min. x TST rate

Tandem Switching charge
= 9,000 min x TS rate

Direct Trunked Facility charge
= 26 miles x DTF rate x 40%

Direct Trunked Termination charge
= 1 termination x DTT rate

Shared Multiplexing charge
= 9,000 min x SM rate

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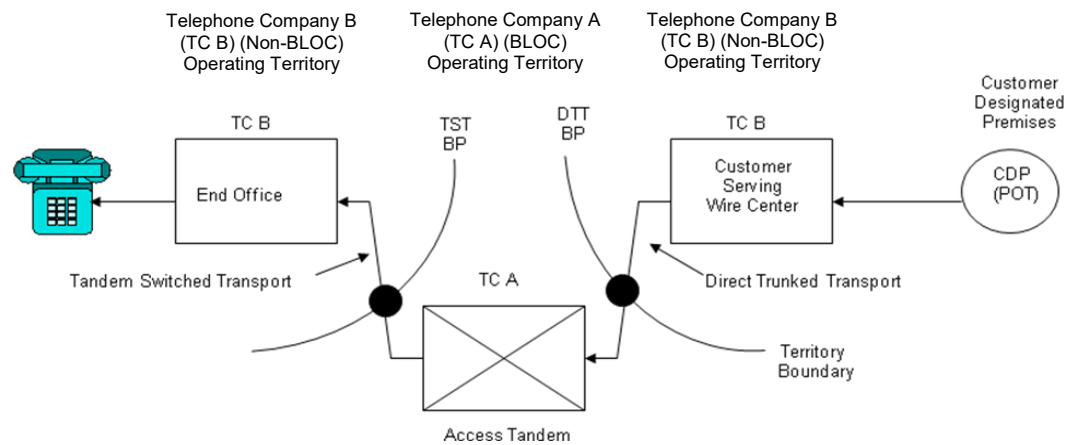
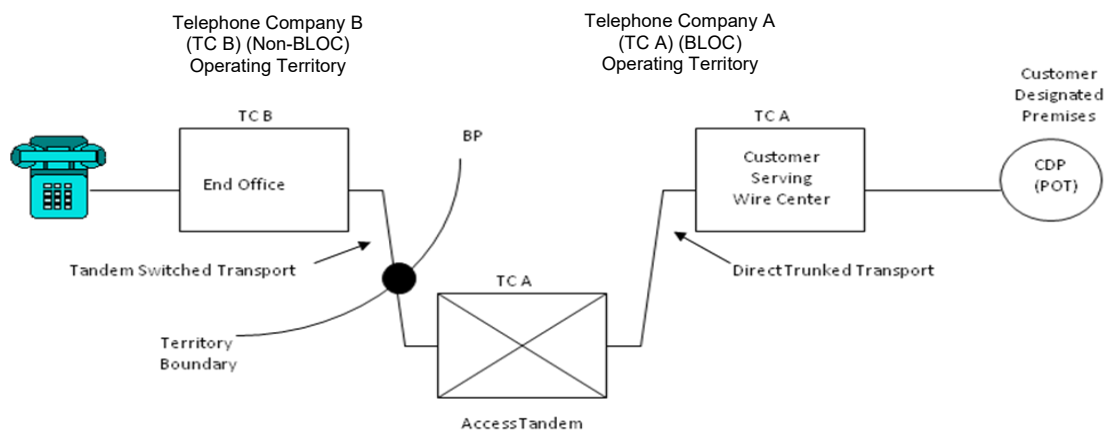
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(See Diagram 2A and 2B)

- Feature Group D Switched Access is ordered to End Office.
- Terminating Access Tandem is owned by BLOC ILEC carrier (TC-A) and End Office is owned by a non-BLOC carrier (TC-B)
- Assumptions:
 - o TC-A Direct Trunk Transport BP = 40% (where applicable Diagram 2A)
 - o TC-B Direct Trunk Transport BP = 60% (where applicable Diagram 2A)
 - o Direct Trunk Transport mileage = 26 mi.
 - o TC-A Tandem Switched Transport BP = 20%
 - o TC-B Tandem Switched Transport BP = 80%
 - o Tandem Switched Transport mileage = 23 mi.

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2. General Regulations (Cont'd)2.4 Payment Arrangements and Credit Allowances (Cont'd)2.4.7 Access Services Provided by More Than One Telephone Company (Cont'd)(B) Multiple Company Billing (Cont'd)(2) Determination of Meet Point Billed Local Transport, Direct Transport and Channel Mileage Charges (Cont'd)(i) Example 2 Terminating Switched Access – Tandem 3rd Party (Cont'd)
(See Diagram 2A and 2B)Diagram 2ADiagram 2B

BP = Billing Percentage

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(See Diagram 2A and 2B)

- Example 2 Telephone Company A charges are:

Tandem Switched Facility – 3rd Party charge
= 9,000 min. x 23 mi. x TSF-3rd Party rate x 20%

Tandem Switched Termination – 3rd Party charge
= 1 termination x 9,000 min. x TST-3rd Party rate

Tandem Switching – 3rd Party charge
= 9,000 min. x TS-3rd Party rate

Direct Trunked Facility charge
2A = 26 miles x DTF rate x 40%
2B = 26 miles x DTF rate

Direct Trunked Termination charge
2A = 1 termination x DTT rate
2B = 2 termination x DTT rate

Shared Multiplexing – 3rd Party charge
= 9,000 min x SM-3rd Party rate

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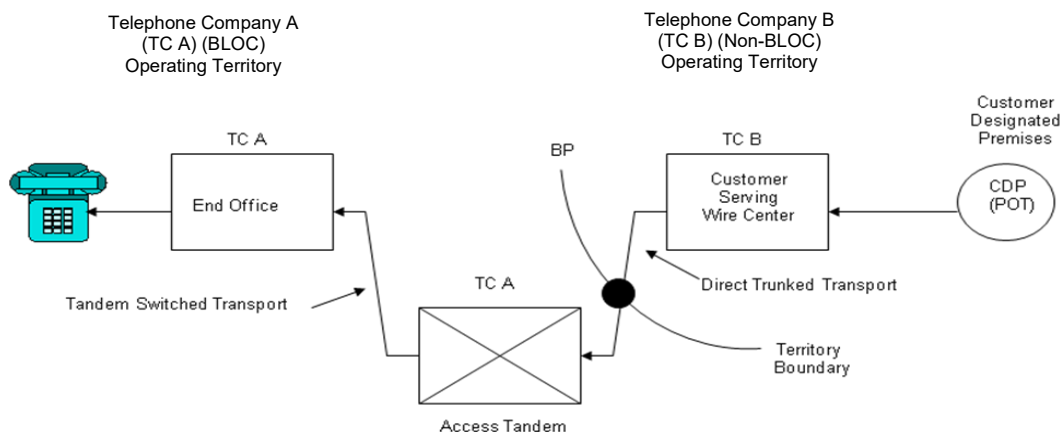
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- Feature Group D Switched Access is ordered to End Office.
- Terminating End Office and Access Tandem are both owned by a BLOC ILEC (TC-A)
- Assumptions:
 - o TC-A Direct Trunk Transport BP = 40%
 - o TC-B Direct Trunk Transport BP = 60%
 - o Direct Trunk Transport mileage = 26 mi.
 - o Tandem Switched Transport mileage = 23 mi.

Diagram 3

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(Cont'd) (See Diagram 3)

- 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 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 miles x DTF rate x 40%

Direct Trunked Termination charge
= 1 termination x DTT rate

Shared Multiplexing – End Office charge
= 9,000 min x SM-End Office rate

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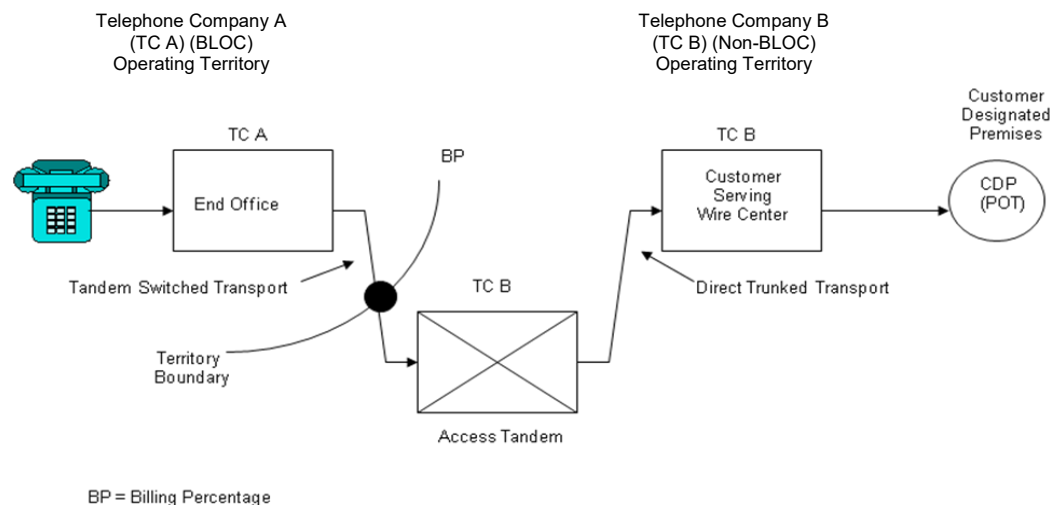
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- Feature Group D Switched Access is ordered to End Office
- End Office is owned by BLOC (TC-A)
- Access Tandem is owned by a non-BLOC ILEC (TC-B)
- Assumptions:
 - o Direct Trunk Transport mileage = 26 mi.
 - o TC-A Tandem Switched Transport BP = 80%
 - o TC-B Tandem Switched Transport BP = 20%
 - o Tandem Switched Transport mileage = 23 mi.

Diagram 4

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- Telephone Company A charges are:

End Office charges = 9,000 min. x EO rate

Tandem Switched Facility charge
= 9,000 min. x 23 mi. x TSF rate x 80%

Tandem Switched Termination charge
= 1 termination x 9,000 min. x TST rate

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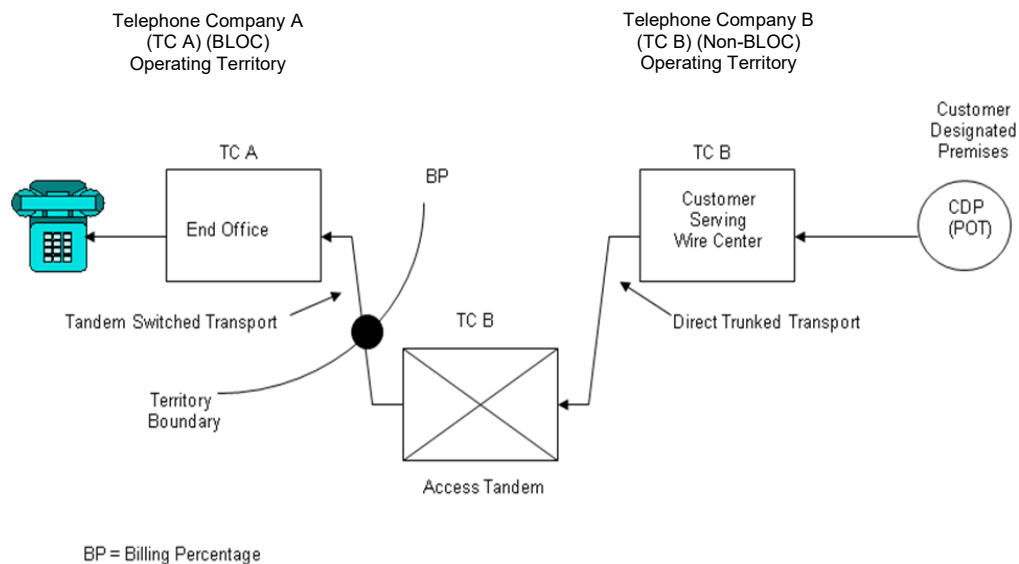
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(See Diagram 5)

- Feature Group D Switched Access is ordered to End Office
- End Office is owned by Telephone Company (BLOC) (TC-A)
- Access Tandem is owned by a non-BLOC ILEC (TC-B)

Diagram 5

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2. General Regulations (Cont'd)2.4 Payment Arrangements and Credit Allowances (Cont'd)2.4.7 Access Services Provided by More Than One Telephone Company (Cont'd)(B) Multiple Company Billing (Cont'd)(2) Determination of Meet Point Billed Local Transport, Direct Transport and Channel Mileage Charges (Cont'd)(i) Example 5 Terminating Switched Access – Tandem 3rd Party (Cont'd)
(See Diagram 5)

- Telephone Company A charges are:

End Office charges = 9,000 min. x EO rate

Tandem Switched Facility 3rd Party charge
= 9,000 min. x 23 mi. x TSF-3rd Party rate x 80%

Tandem Switched Termination 3rd Party charge
= 1 termination x 9,000 min. x TST-3rd Party rate

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2. General Regulations (Cont'd)2.5 Connections2.5.1 General

Equipment and Systems (i.e., terminal equipment, multiline terminating systems and communications systems) may be connected with Switched and Special Access Service furnished by the Telephone Company where such connection or interconnection is made in accordance with the provisions specified in Technical Reference Publication AS No. 1 and in 2.1.

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 where 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 wire center or Telephone Company access tandem to locate certain fiber optic facilities and equipment, and an interconnection with certain Telephone Company provided facilities.

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

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 or Telephone Company access tandem 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 wire center or Telephone Company access tandem. 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 serviced by one or more Central Offices associated with the various Switched Access Services offered under this tariff. The size and configuration of the Access Area a customer obtains is dependant upon the Feature Group type and the specific characteristics of the Central Office or Telephone Company Access Tandem Network in 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 five or seven digit FGD code has the form 101XXXX, and the seven digit FGB code has the form 950-XXXX.

Access Minutes

The term "Access Minutes" denotes that usage of exchange facilities in interstate or foreign service for the purpose of calculating chargeable usage. On the originating end of an interstate 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 interstate 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 interstate or foreign call shall terminate when the calling or called party disconnects, whichever event is recognized first in the originating and terminating exchanges, as applicable.

Access Tandem

The term "Access Tandem" denotes a Telephone Company switching system that provides a concentration and distribution function for originating and/or terminating traffic between end offices and a customer's premises.

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2. General Regulations (Cont'd)2.6 Definitions (Cont'd)Access Tandem Network

The term "Access Tandem Network" denotes the network of trunk groups that provide a concentration and distribution function for originating and/or terminating Switched Access traffic between a single Telephone Company access tandem and Telephone Company subtending end offices.

Add/Drop Multiplexing

The term "Add/Drop Multiplexing" denotes a multiplexing function that allows lower level signals to be added or dropped with the remaining traffic continuing through the network.

Agent

The term "Agent," as used in Section 8.5 of this tariff, is defined as that person or entity that the Telephone Company acknowledges as the possessor of authority to make decisions pertaining to instrument placement, subscription authorization, and access or usage control of Pay Telephone Service or, that person or entity duly authorized to act in that capacity by the owner of the premises.

Aggregator

The term "Aggregator" denotes any individual, partnership, association, joint-stock company, trust or corporation that, in the ordinary course of its operations, makes telephones available to the public or to transient users of its premises, for interstate telephone calls using a provider of operator services.

Answer Message

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

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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 customer's point of termination as an indication that the called party has answered or disconnected.

Attenuation Distortion

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

Balance (100 Type) Test Line

The term "Balance (100 Type) Test Line" denotes an arrangement in an end office which provides for balance and noise testing.

Basic Service Element

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

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.

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2. General Regulations (Cont'd)2.6 Definitions (Cont'd)Bit

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

Business Data Services (BDS)

The dedicated point-to-point transmission of data at certain guaranteed speeds and service levels using high-capacity connections.

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. However, Business Day hours for the Company may vary based on company policy, union contract and location. To determine such hours for an individual company, or company location, contact the issuing officer at the address shown on Title Page 1.

Busy Hour Minutes of Capacity (BHMC)

The term "Busy Hour Minutes of Capacity (BHMC)" denotes the customer specified maximum amount of Switched Access Service access minutes the customer expects to be handled in an end office switch during any hour in an 8:00 A.M. to 11:00 P.M. period for the Switched Access Arrangement ordered. This customer furnished BHMC quantity is the input data the Company uses to determine the number of transmission paths or facility requirements for the Switched Access Arrangement ordered.

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2. General Regulations (Cont'd)2.6 Definitions (Cont'd)Call

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

Carrier or Common Carrier

See Interexchange Carrier.

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 the CIC information in a forward direction to an IC customer.

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 servers (e.g., trunks).

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

Central Office Prefix

The term "Central Office Prefix" denotes the first three digits (NXX) of the seven digit telephone number assigned to a customer's Telephone Exchange Service when dialed on a local basis.

Centralized Automatic Reporting on Trunks Testing

The term "Centralized Automatic Reporting on Trunks Testing" denotes a type of testing which includes the capacity for measuring operational and transmission parameters.

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2. General Regulations (Cont'd)2.6 Definitions (Cont'd)Channel Service Unit

The term "Channel Service Unit" denotes customer premises equipment which performs one or more of the following functions: termination of a digital facility, regeneration of digital signals, detection and/or correction of signal format error, and remote loop back.

Channelize

The term "Channelize" denotes the process of multiplexing-demultiplexing wider bandwidth or higher speed channels into narrow band-width or lower speed channels.

Circuit(s)

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

Circuit Code

The term "Circuit Code" denotes the service class routing of an SS7 call that indicates the interexchange carrier trunk group to which the traffic will be routed (e.g., 0+, 0-, 500, 900, etc.)

C-Message Noise

The term "C-Message Noise" denotes the frequency weighted average noise within an idle voice channel. The frequency weighing, 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 C-message frequency weighted noise on a voice channel with a holding tone, which is removed at the measuring end through a notch (very narrow band) filter.

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2. General Regulations (Cont'd)2.6 Definitions (Cont'd)Coin Station

The term "Coin Station" denotes a location where Telephone Company equipment is provided in a public or semipublic place where Telephone Company customers can originate telephone communications and pay the applicable charges by inserting coins into the equipment.

Concatenated

The term "Concatenated" denotes the linking together of various data structures, e.g., two bandwidths joined to form a single bandwidth.

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.

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2. General Regulations (Cont'd)2.6 Definitions (Cont'd)Common Line

The term "Common Line" denotes a line, trunk, pay telephone line or other facility provided under the general and/or local exchange service tariffs of the Company, terminated on a central office switch. A common line-residence is a line or trunk provided under the residence regulations of the general and/or local exchange service tariffs. A common line-business is a line provided under the business regulations of the general and/or local exchange service tariffs.

Communications System

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

Competitive Services

All packet-based business data services; circuit-based business data services above the DS3 bandwidth level; transport services which includes interoffice facilities, channel terminations between the serving wire center and point of presence, and all subelements established for the use of these transport facilities; DS1 & DS3 end user channel terminations, and other special access services, in any competitive SWC; DS1 & DS3 end user channel terminations, and other special access services, in a SWC for which the Company was granted pricing flexibility prior to June 2017.

Customer(s)

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

Data Transmission (107 Type) Test Line

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

Decibel

The term "Decibel" denotes a unit used to express relative differences in power, usually between acoustic or electric signals, equal to ten (10) times the common logarithm of the ratio of two signal powers.

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2. General Regulations (Cont'd)2.6 Definitions (Cont'd)Decibel Reference Noise C-Message Weighting

The term "Decibel Reference Noise C-Message Weighting" denotes noise power measurements with C-Message Weighting in decibels relative to a reference 1000 Hz tone of 90 dB below 1 milliwatt.

Decibel Reference Noise C-Message Referenced to 0

The term "Decibel Reference Noise C-Message Referenced to 0" denotes noise power in "Decibel Reference Noise C-Message Weighing" referred to or measured at a zero transmission level point.

Dual Tone Multifrequency Address Signaling

The term "Dual Tone Multifrequency Address Signaling" denotes a type of signaling that is an optional feature of Switched Access Feature Group A and BSA-A. It may be utilized when Feature Group A or BSA-A is being used in the terminating direction (from the point of termination with the customer to the local exchange and office). An office arranged for Dual Tone Multifrequency Signaling would expect to receive address signals from the customer in the form of Dual Tone Multifrequency signals.

Echo Control

The term "Echo Control" denotes the control of reflected signals in a telephone transmission path.

Echo Path Loss

The term "Echo Path Loss" denotes the measure of reflected signal at a 4-wire point of interface without regard to the send and receive Transmission Level Point.

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.

Effective 2-Wire

The term "Effective 2-Wire" denotes a condition which permits the simultaneous transmission in both directions over a channel, but it is not possible to insure independent information transmission in both directions. Effective 2-wire channels may be terminated with 2-wire or 4-wire interfaces.

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2. General Regulations (Cont'd)2.6 Definitions (Cont'd)Effective 4-Wire

The term "Effective 4-Wire" denotes a condition which permits the simultaneous independent transmission of information in both directions over a channel. The method of implementing effective 4-wire transmission is at the discretion of the Telephone Company (physical, time domain, frequency-domain separation or echo cancellation techniques). Effective 4-wire channels may be terminated with a 2-wire interface at the customer's premises. However, when terminated 2-wire, simultaneous independent transmission cannot be supported because the two wire interface combines the transmission paths into a single path.

End Office Switch

The term "End Office Switch" denotes a local Telephone Company switching system where Telephone Exchange Service customer station loops are terminated for purposes of interconnection to each other and to trunks. Included may be Remote Switching Modules and Remote Switching Systems served by a host office in a different wire center.

End User

The term "End User" denotes any customer of interstate or foreign telecommunications service that is not a carrier, except that a carrier shall be deemed to be an "end user" to the extent that such carrier uses a telecommunications service for administrative purposes, without making such service available to others, directly or indirectly.

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2. General Regulations (Cont'd)2.6 Definitions (Cont'd)Entry Switch

See First Point of Switching.

Envelope Delay Distortion

The term "Envelope Delay Distortion" denotes a measure of the linearity of the phase versus frequency of a channel.

Equal Level Echo Path Loss

The term "Equal Level Echo Path Loss" (ELEPL) denotes the measure of Echo Path Loss (EPL) at a 4-wire interface which is corrected by the difference between the send and receive Transmission Level Point (TLP). [ELEPL = TLP (send) + TLP (receive)]

Exchange

The term "Exchange" denotes a unit generally smaller than a local access and transport area, 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 the area. One or more designated exchanges comprise a given local access and transport area.

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.

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2. General Regulations (Cont'd)2.6 Definitions (Cont'd)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.

Expected Measured Loss

The term "Expected Measured Loss" denotes a calculated loss which specifies the end-to-end 1004-Hz loss on a terminated test connection between two readily accessible manual or remote test points. It is the sum of the inserted connection loss and test access loss including any test pads.

Extended Area Service

The term "Extended Area Service" denotes a telephone exchange service in which 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 service. This included, but is not limited to, cable (copper pair, coaxial and fiber optic) and microwave radio equipment.

Field Identifier

The term "Field Identifier" denotes two to four characters that are used on service orders to convey specific instructions. Field Identifiers may or may not have associated data. Selected Field Identifiers are used in Telephone Company billing systems to generate nonrecurring charges.

First Come - First Served

The term "First Come - First Served" denotes a procedure followed by the Telephone Company to process fully completed Access Orders according to the sequence in which they are received.

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2. General Regulations (Cont'd)2.6 Definitions (Cont'd)First Point of Switching

The term "First Point of Switching" denotes the first Telephone Company location at which switching occurs on the terminating path of a call proceeding from the customer premises to the terminating end office and, at the same time, the last Telephone Company location at which switching occurs on the originating path of a call proceeding from the originating end office to the customer premises.

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)

Frame

The term "Frame" denotes a group of data bits, in 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.

Frequency Shift

The term "Frequency Shift" denotes the change in the frequency of a tone as it is transmitted over a channel.

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2. General Regulations (Cont'd)2.6 Definitions (Cont'd)Grandfathered

The term "Grandfathered" denotes Terminal Equipment, Multiline Terminating Systems and Protective Circuitry directly connected to the facilities utilized to provide services under the provisions of this tariff, and which are considered grandfathered under Part 68 of the F.C.C.'s Rules and Regulations.

Host Office

The term "Host Office" denotes an electronic switching system which provides call processing capabilities for one or more Remote Switching Modules or Remote Switching Systems.

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 include U.S. Federal Reserve bank wire transfers, U.S. Federal Reserve notes (paper cash), U.S. coins, U.S. Postal Money Orders and New York Certificates of Deposit.

Impedance Balance

The term "Impedance Balance" denotes the method of expressing Echo Return Loss and Singing Return Loss at a 4-wire interface whereby the gains and/or loss of the 4 wire portion of the transmission path, including the hybrid, are not included in the specification.

Impulse Noise

The term "Impulse Noise" denotes any momentary occurrence of the noise on a channel over a specified level threshold. It is evaluated by counting the number of occurrences which exceed the threshold.

Individual Case Basis

The term "Individual Case Basis" denotes a condition in which 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.

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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 busying 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.

Inserted Connection Loss

The term "Inserted Connection Loss" denotes the 1004 H2 power difference (in dB) between the maximum power available at the originating end and the actual power reaching the terminating end through the inserted connection.

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 Telephone Company 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.

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2. General Regulations (Cont'd)2.6 Definitions (Cont'd)Interexchange Carrier (IC) or Interexchange Common Carrier

The terms "Interexchange Carrier" (IC) or Interexchange Common Carrier" denotes any individual, partnership, association, joint-stock company, trust, governmental entity or corporation engaged for hire in interstate or foreign communications by wire or radio, between two or more exchanges.

Intermodulation Distortion

The term "Intermodulation Distortion" denotes a measure of the nonlinearity of a channel. It is measured using four tones, and evaluating the ratios (in dB) of the transmitted composite four-tone signal power to the second-order products of the tones (R2), and the 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 a state subject to oversight by a state regulatory commission as provided by the laws of the state involved.

Line Side Connection

The term "Line Side Connection" denotes a connection of a transmission path to the line side of a local exchange switching system.

ACCESS SERVICE

2. General Regulations (Cont'd)2.6 Definitions (Cont'd)Local Access and Transport Area

The term "Local Access and Transport Area" (LATA) denotes a geographic area established by the Telephone Company for the provision and administration of its communications service. It encompasses one or more Telephone Company designated exchanges which are configured in relative proximity to one another and may be reconfigured by the Telephone Company in the normal operation of its business. As used herein, the term LATA refers only to these Telephone Company designated exchanges and does not necessarily have any predetermined association with the term LATA used by other exchange carriers.

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.

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2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Loop Around Test Line

The term "Loop Around Test Line" denotes an arrangement utilizing a Telephone Company central office to provide a means to make certain two-way transmission tests on a manual basis. This arrangement has two central office terminations, each reached by means of separate telephone numbers and does not require any specific customer premises equipment. Equipment subject to this test arrangement is at the discretion of the customer.

Loss Deviation

The term "Loss Deviation" denotes the variation of the actual loss from the designed value.

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2. General Regulations (Cont'd)2.6 Definitions (Cont'd)Message

The term "Message" denotes a "call" as defined preceding.

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 customer's premises 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 System 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.

Network Control Signaling

The term "Network Control Signaling" denotes the transmission of signals used in the telecommunications system which perform functions such as supervision (control, status, and charge signals), address signaling (e.g., dialing), calling and called number identifications, rate of flow, service selection error control and audible tone signals (call progress signals indicating re-order or busy conditions, alerting, coin denominations, coin collect and coin return tones) to control the operation of the telecommunications system.

Node

The term "Node" denotes a SONET ring service element that designates either a customer designated location or a Telephone Company wire center location on the SONET ring. It also denotes the location/address of where a channelized service originates or terminates on a ring.

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2. General Regulations (Cont'd)2.6 Definitions (Cont'd)Non-Competitive Serving Wire Center

A Company Serving Wire Center that has not met the Competitive Market Test as established by the FCC's BDS Order (17-43) on April 28, 2017 at §69.803.

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 can be made more rapidly.

Non-Toll Free

All calls that are not toll free (8YY) as established by the FCC's 8YY Access Charge Reform Order (FCC 20-143) released on October 9, 2020.

North American Numbering Plan

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

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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 Exchange Service Line.

On-hook

The term "On-hook" denotes the idle condition of Switched Access or a Telephone Exchange Service line.

Open Circuit Test Line

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

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2. General Regulations (Cont'd)2.6 Definitions (Cont'd)Originating Direction

The term "Originating Direction" denotes the use of access service for the origination of calls from an End User Premises to an IC Premises.

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.).

Pay Telephone

The term "Pay Telephone" denotes Company provided instruments and related facilities that are available to the general public for public convenience and necessity, including public and semipublic telephones, and coinless telephones.

Phase Jitter

The term "Phase Jitter" denotes the unwanted phase variations of a signal.

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2. General Regulations (Cont'd)2.6 Definitions (Cont'd)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 Telephone Company 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 interstate switched and special access services.

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 customer-designated premises at which the Telephone Company's responsibility for the provision of Access 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.

Release Message

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

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2. General Regulations (Cont'd)2.6 Definitions (Cont'd)Remote Switching Modules and/or Remote Switching Systems

The term "Remote Switching Modules and/or Remote Switching Systems" denotes remotely controlled electronic end office switches which obtain their call processing capability from an ESS-type Host Office. The Remote Switching Modules and/or Remote Switching Systems cannot accommodate direct trunks to an IC.

Return Loss

The term "Return Loss" denotes a measure of the similarity between the two impedances at the junction of two transmission paths. The higher the return loss, the higher the similarity.

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2. General Regulations (Cont'd)2.6 Definitions (Cont'd)Registered Equipment

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

Service Control Point

The term "Service Control Point (SCP)" denotes an SS7 network control interface element between the Telephone Company's SS7 network and one or more data bases.

Service Switching Point (SSP)

The term "Service Switching Point" (SSP) denotes a signal point equipped with the ability to halt call process, formulate and send a SS7 query to a remote location and route the call based on information contained in the response.

Serving Wire Center

That Telephone Company designated wire center serving the customer's designated premises and used for mileage measurement to determine local transport or circuit mileage charges for Access Service.

Seven Digit Manual Test Line

The term "Seven Digit Manual Test Line" denotes an arrangement which allows the Customer to select balance, milliwatt and synchronous test lines by manually dialing a seven digit number over the associated access connection.

Shortage of Facilities or Equipment

The term "Shortage of Facilities or Equipment" denotes a condition which occurs when the Telephone Company does not have appropriate cable, switching capacity, bridging or, multiplexing equipment, etc., necessary to provide the Access service requested by the customer.

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2. General Regulations (Cont'd)2.6 Definitions (Cont'd)Short Circuit Test Line

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

Signal-to-C-Notched Noise Ratio

The Term "Signal-to-C-Notched Noise Ratio" denotes the ratio in dB of a test signal to the corresponding C-Notched Noise.

Signaling Point

The term "Signaling Point (SP)" denotes an SS7 network interface element capable of originating and/or terminating SS7 messages.

Signaling System 7 (SS7)

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

Signal Transfer Point (STP)

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.

Signal Transfer Point (STP) Port

The term "Signal Transfer Point (STP) Port" denotes the physical point of termination and interconnection to the STP.

Singing Return Loss

The term "Singing Return Loss" denotes the frequency weighted measure of return loss at the edges of the voiceband (200 to 500 Hz and 2500 to 3200 Hz), where singing (instability) problems are most likely to occur.

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2. General Regulations (Cont'd)2.6 Definitions (Cont'd)Statistical Multiplexing

The term "Statistical Multiplexing" denotes a technique in which timeslots are dynamically allocated on the basis of need rather than being predetermined. The data is typically transmitted on a first come, first served basis.

Subscriber Line Charge

The term "Subscriber Line Charge" denotes a fee that the subscriber pays to the local telephone company that connects the subscriber to the telephone network.

Subtending End Office of the Company Access Tandem

The term "Subtending End Office of the Company Access Tandem" denotes an end office that has final trunk group routing through the Company access tandem.

Synchronous Test Line

The term "Synchronous Test Line" denotes an arrangement in an end office which performs marginal operational tests of supervisory and ring-tripping functions equivalent information needed to perform tandem switching functions.

Synchronous Transport Signal (STS)

STS-1 has the capacity to transport up to twenty-eight (28) DS1s or one (1) DS3.

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2. General Regulations (Cont'd)2.6 Definitions (Cont'd)Terminating Direction

The term "Terminating Direction" denotes the use of Access Service for the completion of calls from an IC premises to an End User Premises.

Toll Free Code (TFC)

The term "Toll Free Code" denotes a three-digit Numbering Plan Area (NPA) or Area Code that is specifically assigned by the telecommunications industry for use by Telecommunications Service Providers in the provision of telephone numbers that, unlike traditional telephone numbers and calls, when dialed are toll free to the originating caller. The specific codes assigned and used, or reserved for use, for this purpose are 800, 822, 833, 844, 855, 866, 877, and 888.

Toll VoIP-PSTN Traffic

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

Transmission Measuring (105 Type) Test Line/Responder

The term "Transmission Measuring (105 Type) Test Line/Responder" denotes an arrangement in an end office which provides far-end access to a responder and permits two-way loss and noise measurements to be made on trunks from a near end office.

Transmission Path

The term "Transmission Path" denotes an electrical path capable of transmitting signals within the range of the service offering, e.g., a voice grade transmission path is capable of transmitting voice frequencies within the approximate range of 300 to 3000 Hz. A transmission path is comprised of physical or derived facilities consisting of any form or configuration of plant typically used in the telecommunications industry.

Trunk

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

Trunk Group

The term "Trunk Group" denotes a set of trunks which are traffic engineered as a unit for the establishment of connections between switching systems in which all of the communications paths are interchangeable.

ACCESS SERVICE

2. General Regulations (Cont'd)2.6 Definitions (Cont'd)Trunk Side Connection

The term "Trunk Side Connection" denotes the connection of a transmission path to the trunk side of a local exchange switching system.

Two-Wire to Four-Wire Conversion

The term "Two-Wire to Four-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 to a two-wire entity (e.g., a central office switch).

Uniform Service Order Code

The term "Uniform Service Order Code" denotes a three or five character alphabetic, numeric, or an alphanumeric code that identifies a specific item of service or equipment. Uniform Service Order Codes are used in the Telephone Company billing system to generate recurring rates and nonrecurring charges.

V&H Coordinates

The term "V and H Coordinates Method" denotes a method of computing airline miles between two points by utilizing an established formula which is based on the vertical and horizontal coordinates of the two points.

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 the Telephone Company's wire center or Telephone Company's access tandem buildings, and dedicated to such customer's use.

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ACCESS SERVICE

2. General Regulations (Cont'd)2.6 Definitions (Cont'd)VoIP-PSTN Traffic

Traffic exchanged between a Telephone Company end user and the customer in Time Division Multiplexing ("TDM") format that originates and/or terminates in Internet Protocol ("IP") format.

WATS Serving Office

"WATS Serving Office" denotes a Telephone Company switching office capable of performing the optional screening functions used in Combined Access Service Arrangements.

Wire Center

The term "Wire Center" denotes (1) a building in which one or more central offices, including end office switches, used for the provision of Telephone Exchange Services, are located, or (2) in the case of a centralized Telephone Company equal access tandem arrangement, a building in which Telephone Company access facilities are located for purposes of interconnection to customer premises.

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3. Carrier Common Line Access Service

The Telephone Company will provide Carrier Common Line Access Service (Carrier Common Line Access) to customers in conjunction with Switched Access Service provided in Section 6. of this tariff.

The Switched Access Service associated with Carrier Common Line Access shall be ordered by the customer in accordance with regulations set forth in Section 5 following.

3.1 General Description

Carrier Common Line Access provides for the use of end users' Telephone Company provided common lines by customers for access to such end users to furnish Interstate Communications at rates and charges set forth in 3.7.1 following. The customer facilities at the premises of the ordering customer shall provide the necessary on-hook and off-hook supervision.

A Special Access Surcharge will apply to interstate special access service provided by the Telephone Company to a customer, in accordance with rates and regulations as set forth in 7.2.1(E) following.

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3. Carrier Common Line Access Service (Cont'd)3.2 Limitations3.2.1 Exclusions

Neither a telephone number nor detail billing are provided with Carrier Common Line Access. Additionally, directory listings and intercept arrangements are not included in the rates and charges for Carrier Common Line Access.

3.2.2 Access Groups

All line side connections provided in the same access group will be limited to the same features and operating characteristics. All trunk side connections provided in the same access group will be limited to the same features and operating characteristics.

3.2.3 Switched Access Interface Arrangements (WATS Access Lines)

Where Switched Access Services are connected with Special Access Services [Switched Access Interface Arrangements as set forth in 6.3.2(T) following] at Telephone Company Designated WATS Serving Offices for the provision of WATS or WATS-type Services, Switched Access Service minutes which are carried on that end of the service (i.e., originating minutes for outward WATS and WATS-type services and terminating minutes for inward WATS and WATS-type services) shall not be assessed Carrier Common Line Access per minute charges with the following exception. Carrier Common Line Access per minute charges shall apply when FGA, FGB, BSA-A or BSA-B switched access is ordered from a non equal access telephone company office that does not have measurement capabilities and the assumed average access minutes, as set forth in 6.5.5(G) following are used.

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3. Carrier Common Line Access Service (Cont'd)3.3 Determination of Usage Subject to Carrier Common Line Access Charges

Except as set forth herein, all Switched Access Service provided to the customer will be subject to Carrier Common Line Access charges.

3.3.1 Determination of Jurisdiction

The Switched Access Service provided by the Telephone Company includes the Switched Access Service provided for both interstate and intrastate communications. When the customer reports interstate and intrastate use of Switched Access Service, the associated Carrier Common Line Access used by the customer for interstate will be determined as set forth in 3.6.4 following (Percentage Interstate Use-PIU).

3.3.2 Case Involving Usage Recording By the Customer

Where FGC or BSA-C end office switching is provided without Telephone Company recording and the customer records minutes of use used to determine Carrier Common Line Access charges (i.e., Feature Group C or BSA-C operator, and calls such as operator-DDD, operator-person, collect, credit-card, third number and/or other like calls), the customer shall furnish such minutes of use detail to the Telephone Company in a timely manner. If the customer does not furnish the data, the customer shall identify all Switched Access Services which could carry such calls in order for the Telephone Company to accumulate the minutes of use through the use of special Telephone Company measuring and recording equipment.

3.3.3 Local Exchange Access and Enhanced Services Exemption

Where access to the local exchange is required to provide a customer service (e.g., MTS/WATS-type, telex, Data, etc.) that uses a resold private line service, Switched Access Service Rates and Regulations, as set forth in Section 6 following will apply, except when such access to the local exchange is required for the provision of an enhanced service. Carrier Common Line Access rates and charges as set forth in 3.7.1 following apply in accordance with the resale rate regulations as set forth in 3.4.4 following.

3.3.4 Common Channel Signaling System 7 (CCS7) Access Service

Carrier Common Line charges do not apply to CCS7 Access Service as described in Section 6.2.7.

ACCESS SERVICE

3. Carrier Common Line Access Service (Cont'd)3.4 Resold Services3.4.1 Scope

Where the customer is reselling MTS and/or MTS-type service(s) on which the Carrier Common Line and Switched Access charges have been assessed, the customer may, at the option of the customer, obtain FGA, FGB, FGD, BSA-A, BSA-B or BSA-D Switched Access Service under this tariff as set forth in Section 6 following for originating and/or terminating access in the local exchange. Such access group arrangements whether single lines or trunks or multiline hunt groups or trunk groups will have Carrier Common Line Access charges applied as set forth in 3.7.1 following in accordance with the resale rate regulations set forth in 3.4.4 following. For purposes of administering this provision:

Resold interstate terminating MTS and MTS-type service(s) shall include collect calls, third number calls and credit card calls where the reseller pays the underlying carrier's service charges; and shall not include intrastate minutes of use.

Resold interstate originating MTS and MTS-type service(s) shall not include collect, third number, credit card or intrastate minutes of use.

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3. Carrier Common Line Access Service (Cont'd)3.4 Resold Services (Cont'd)3.4.2 Customer Obligation Concerning the Resale of MTS and MTS-Type Services

When the customer is reselling MTS and/or MTS-type service as set forth in 3.4.1 preceding, the customer will be charged Carrier Common Line Access charges in accordance with the resale rate regulations as set forth in 3.4.4 following if the customer or the provider of the MTS service furnishes documentation of the MTS usage and/or the customer furnishes documentation of the MTS/type usage. Such documentation supplied by the customer shall be supplied each month and shall identify the involved resold MTS and/or MTS-type services.

The monthly period used to determine the minutes of use for resold MTS and/or MTS-type service(s) shall be the most recent monthly period for which the customer has received a bill for such resold service(s). This information shall be delivered to the Telephone Company, at a location specified by the Telephone Company, no later than 15 days after the bill date shown on the resold MTS and/or MTS-type service bill. If the required information is not received by the Telephone Company, the previously reported information, as described preceding, will be used for the next two months. For any subsequent month, no allocation or credit will be made until the required documentation is delivered to the Telephone Company by the customer.

3.4.3 Resale Documentation Provided By the Customer

When the customer utilizes Switched Access Service as set forth in 3.4.2 preceding, the Telephone Company may request a certified copy of the customer's resold MTS or MTS-type usage billing from either the customer or the provider of the MTS-type Service. Request for billing will relate back no more than 12 months prior to the current billing period.

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ACCESS SERVICE

3. Carrier Common Line Access Service (Cont'd)3.4 Resold Services (Cont'd)3.4.4 Rate Regulations Concerning the Resale of MTS and MTS-type Services

When the customer is provided an access group or BSA to be used in conjunction with the resale of MTS and/or MTS-type services as set forth in 3.4.1 preceding, subject to the limitations as set forth in 3.2 preceding, and the billing entity receives the usage information required as set forth in 3.4.2 preceding, to calculate the adjustment of Carrier Common Line Access charges the customer will be billed as set forth in (D), (E), or (F) following, depending upon, respectively, whether the usage is from non equal access offices, equal access offices or a combination of the two.

(A) Apportionment and Adjustment of Resold Minutes of Use

When the customer is provided with more than one access group or BSA in a LATA in association with the resale of MTS and/or MTS-type services, the resold minutes of use will be apportioned as follows:

(1) Originating Services

The Telephone Company will apportion the resold originating MTS and/or MTS-type services and originating minutes of use for which the resale credit adjustment applies, among the access groups or BSA. Such apportionment will be based on the relationship of the originating usage for each access group or BSA to the total originating usage for all access groups or BSA in the LATA. For purposes of administering this provision:

Resold originating MTS and/or MTS-type services minutes shall be only those attributable to interstate originating MTS and/or MTS-type minutes and shall not include collect, third number, credit card or intrastate minutes of use.

The resale credit adjustment shall apply for resold originating MTS and MTS-type services and minutes of use, provided Carrier Common Line and Switched Access Charges have been assessed on such services.

ACCESS SERVICE

3. Carrier Common Line Access Service (Cont'd)3.4 Resold Services (Cont'd)3.4.4 Rate Regulations Concerning the Resale of MTS and MTS-type Services (Cont'd)(2) Terminating Services

The Telephone Company will apportion the resold terminating MTS and/or MTS-type services and terminating minutes of use for which the resale credit adjustment applies, among the access groups or BSA. Such apportionment will be based on the relationship of the terminating usage for each access group or BSA to the total terminating usage for all access groups or BSA in the LATA. For purposes of administering this provision:

Resold terminating MTS and/or MTS-type services minutes shall be only those attributable to interstate terminating MTS/MTS-type (i.e., collect calls, third number calls, and credit card calls) and shall not include intrastate minutes of use or MTS/MTS-type minutes of use paid for by another party.

The resale credit adjustment shall apply for resold terminating MTS and MTS-type services and minutes of use, provided Carrier Common Line and Switched Access Charges have been assessed on such services.

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3. Carrier Common Line Access Service (Cont'd)3.4 Resold Services (Cont'd)3.4.4 Rate Regulations Concerning the Resale of MTS and MTS-type Services (Cont'd)(B) Same State/Telephone Company/Exchange Limitation

In order for the rate regulations to apply as set forth in (D), (E), or (F) following, the access groups or BSAs and the resold MTS and/or MTS-type services must be provided in the same state (except when the same extended area service arrangement is provided in two different states by the same telephone company) in the same exchange, provided by the same Telephone Company and connected directly or indirectly. For those exchanges that encompass more than one state, the customer shall report the information by state within the exchange.

(C) Direct and Indirect Connections

Each of the access group arrangements or BSA used by the customer in association with the resold MTS and/or MTS-type services must be connected either directly or indirectly to the customer designated premises at which the resold MTS and/or MTS-type services are terminated. Direct connections are those arrangements where the access groups or BSAs and resold MTS and/or MTS-type services are terminated at the same customer designated premises.

Indirect originating connections are those arrangements where the access groups or BSAs and the resold originating MTS and/or MTS-type services are physically located at different customer designated premises in the same exchange. Such different customer designated premises are connected by facilities that permit a call to flow from access groups to resold MTS and/or MTS-type services.

Indirect terminating connections are those arrangements where the access groups and resold terminating MTS and/or MTS-type services are physically located at different customer designated premises in the same exchange. Such different customer designated premises are connected by facilities that permit a call to flow from resold terminating MTS and/or MTS-type services to access groups or BSAs.

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3. Carrier Common Line Access Service (Cont'd)

3.4 Resold Services (Cont'd)

3.4.4 Rate Regulations Concerning the Resale of MTS and MTS-type Services (Cont'd)

(D) Reserved for Future Use

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3. Carrier Common Line Access Service (Cont'd)3.4 Resold Services (Cont'd)3.4.4 Rate Regulations Concerning the Resale of MTS and MTS-type Services (Cont'd)(E) Access Groups and BSAs

When all the usage on an access group or BSA originates from and/or terminates at an end offices, the Access Charge per minute as set forth in 3.7.1 following will apply. The minutes billed Carrier Common Line Access Service charges will be the adjusted originating interstate access minutes and the adjusted terminating interstate access minutes for such access groups or BSAs.

The adjusted originating access minutes will be the originating interstate access minutes less the reported resold originating MTS and/or MTS-type service minutes of use as set forth in (A)(1) preceding; but not less than zero. The adjusted terminating access minutes will be the terminating interstate access minutes less the reported resold terminating MTS and/or MTS-type service minutes of use as set forth in (A)(2) preceding; but not less than zero.

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3. Carrier Common Line Access Service (Cont'd)

3.4 Resold Services (Cont'd)

3.4.4 Rate Regulations Concerning the Resale of MTS and MTS-type Services (Cont'd)

(F) Reserved for Future Use

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3. Carrier Common Line Access Service (Cont'd)3.4 Resold Services (Cont'd)3.4.4 Rate Regulations Concerning the Resale of MTS and MTS-type Services (Cont'd)(G) When the Adjustment Will be Applied to Customer Bills

The adjustment as set forth in (E) preceding will be made to the involved customer account no later than either the next bill date, or the one subsequent to that, depending on when the usage report is obtained.

(H) Conversion of Billed Usage to Minutes

When the MTS and/or MTS-type usage is shown in hours, the number of hours shall be multiplied by 60 to develop the associated MTS and/or MTS-type minutes of use. If the MTS and/or MTS-type usage is shown in a unit that does not show hours or minutes, the customer shall provide a factor to convert the shown units to minutes.

(I) Percent Interstate Use (PIU)

The adjustment as set forth in (E) preceding will be made to the involved customer account after making the adjustments to the customer account as set forth in 3.6.4 following (PIU).

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3. Carrier Common Line Access Service (Cont'd)

3.5 Primary Interexchange Carrier Charge (PICC)

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 rate will not apply to payphone lines

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3. Carrier Common Line Access Service (Cont'd)3.5 Primary Interexchange Carrier Charge (PICC) (Cont'd)3.5.1 Rates and Charges

| <u>Jurisdiction</u> | <u>Monthly Rate</u> |
|---------------------|--|
| | <u>Per Presubscribed</u> <u>Multiline</u> <u>Business Line</u> |
| Alabama | \$0.00 |
| Missouri | 0.00 |

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3. Carrier Common Line Access Service (Cont'd)3.5 Primary Interexchange Carrier Charge (PICC) (Cont'd)3.5.1 Rates and Charges (Cont'd)

| <u>Jurisdiction</u> | <u>Monthly Rate Per Presubscribed One Line Centrex</u> |
|---------------------|--|
| Alabama | \$0.00 |
| Missouri | 0.00 |

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3. Carrier Common Line Access Service (Cont'd)3.5 Primary Interexchange Carrier Charge (PICC) (Cont'd)3.5.1 Rates and Charges (Cont'd)

| <u>Jurisdiction</u> | <u>Monthly Rate</u> <u>Per Line</u> <u>For Presubscribed</u> <u>Two Line Centrex</u> | <u>Monthly Rate</u> <u>Per Line</u> <u>For Presubscribed</u> <u>Three Line Centrex</u> |
|---------------------|---|---|
| | | |
| Alabama | \$0.00 | \$0.00 |
| Missouri | 0.00 | 0.00 |

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3. Carrier Common Line Access Service (Cont'd)3.5 Primary Interexchange Carrier Charge (PICC) (Cont'd)3.5.1 Rates and Charges (Cont'd)

| <u>Jurisdiction</u> | <u>Monthly Rate</u> <u>Per Line</u> <u>For Presubscribed</u> <u>Four Line Centrex</u> | <u>Monthly Rate</u> <u>Per Line</u> <u>For Presubscribed</u> <u>Five Line Centrex</u> |
|---------------------|--|--|
| | | |
| Alabama | \$0.00 | \$0.00 |
| Missouri | 0.00 | 0.00 |

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3. Carrier Common Line Access Service (Cont'd)3.5 Primary Interexchange Carrier Charge (PICC) (Cont'd)3.5.1 Rates and Charges (Cont'd)

| <u>Jurisdiction</u> | <u>Monthly Rate</u> | <u>Monthly Rate</u> |
|---------------------|--|--|
| | <u>Per Line</u> <u>For Presubscribed</u> <u>Six Line Centrex</u> | <u>Per Line</u> <u>For Presubscribed</u> <u>Seven Line Centrex</u> |
| Alabama | \$0.00 | \$0.00 |
| Missouri | 0.00 | 0.00 |

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3. Carrier Common Line Access Service (Cont'd)3.5 Primary Interexchange Carrier Charge (PICC) (Cont'd)3.5.1 Rates and Charges (Cont'd)

| <u>Jurisdiction</u> | <u>Monthly Rate</u> | <u>Monthly Rate</u> |
|---------------------|--|---|
| | <u>Per Line</u> <u>For Presubscribed</u> <u>Eight Line Centrex</u> | <u>Per Line</u> <u>For Presubscribed</u> <u>Nine Line Centrex</u> |
| Alabama | \$0.00 | \$0.00 |
| Missouri | 0.00 | 0.00 |

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3. Carrier Common Line Access Service (Cont'd)3.5 Primary Interexchange Carrier Charge (PICC) (Cont'd)3.5.1 Rates and Charges (Cont'd)

| | <u>Monthly Rate</u> <u>Per ISDN-PRI</u> <u>Arrangement</u> |
|---------------------|--|
| <u>Jurisdiction</u> | |
| Alabama | \$0.00 |
| Missouri | 0.00 |

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3. Carrier Common Line Access Service (Cont'd)3.6 Rate Regulations3.6.1 Billing and Charges

Carrier Common Line charges will be billed to each Switched Access Service provided under this tariff in accordance with the regulations except as set forth in 3.4.4 preceding (Resale) and 3.6.4 following (PIU).

3.6.2 Measuring and Recording of Call Detail

When access minutes are used to determine Carrier Common Line charges, they will be accumulated using call detail recorded by Telephone Company equipment except as set forth in 3.6.3 following (Unmeasured FGA, FGB, BSA-A and BSA-B Usage) and FGC and BSA-C operator and automated operator services systems call detail such as operator-DDD, operator-person, collect, credit-card, third number and/or other like calls recorded by the customer. The Telephone Company measuring and recording equipment, except as set forth in 3.6.3 following (Unmeasured FGA, FGB, BSA-A and BSA-B Usage), will be associated with end office or local tandem switching equipment and will record each originating and terminating access minute where answer supervision is received. The accumulated access minutes will be summed on a line by line basis, by line group or by end office, whichever type of account is used by the Telephone Company, for each customer and then rounded to the nearest minute.

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3. Carrier Common Line Access Service (Cont'd)3.6 Rate Regulations (Cont'd)3.6.3 Unmeasured FGA, FGB, BSA-A and BSA-B

When Carrier Common Line Access is provided in association with FGA, FGB, BSA-A or BSA-B Switched Access Service in Telephone Company offices that are not equipped for measurement capabilities, an assumed average interstate access minutes will be used to determine Carrier Common Line Access charges. These assumed access minutes are as set forth in Sections 6.5.5(G) and 6.6 following.

3.6.4 Percent Interstate Use (PIU)

When the customer reports interstate and intrastate use of in-service Switched Access Service, Carrier Common Line charges will be billed only to interstate Switched Access Service access minutes based on the data reported by the customer as set forth in 6.5.5(H) following except where the Telephone Company is billing according to actuals by jurisdiction. Interstate Switched Access Service access minutes will, after adjustment as set forth in 3.4.4 preceding (Resale), when necessary, be used to determine Carrier Common Line Charges as set forth in 3.6.5 following.

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3. Carrier Common Line Access Service (Cont'd)

3.6 Rate Regulations (Cont'd)

3.6.5 Reserved for Future Use

3.6.6 Tandem Switch Signaling

- (A) When Tandem Switch Signaling (TSS) is provided with originating FGD or BSA-D service, the Carrier Common Line rate element will be billed to the customer to whom the Carrier Identification Code is assigned.

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3. Carrier Common Line Access Service (Cont'd)3.6 Rate Regulations (Cont'd)3.6.6 Tandem Switch Signaling (Cont'd)

- (B) When terminating tandem routed service is received from the TSS customer, the carrier common line charges for the terminating minutes of use to each end office from the TSS customer's location will be billed in the following manner:
- (1) If the TSS customer is not the customer of record, the customer of record, i.e., the customer who ordered the facilities to the TSS customer's location, or the customer on whose behalf the TSS customer has ordered the facilities as agent for the customer, will be billed for all terminating Carrier Common Line charges.
 - (2) If the TSS customer is the customer of record for facilities to the TSS customer's location, the terminating Carrier Common Line 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 customers directly for their respective Carrier Common Line charges, if the TSS customer agrees to furnish the Telephone Company, free of charge, the call detail information necessary to bill the TSS customer's users as set forth in 6.5.14.

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3. Carrier Common Line Access Service (Cont'd)3.7 Rates and Charges3.7.1 Carrier Common Line Access Service

| <u>Jurisdiction</u> | Rate Per Access Minute | |
|---------------------|------------------------|--------------------|
| | <u>Originating</u> | <u>Terminating</u> |
| Alabama | \$.0000000 | \$.0000000 |
| Missouri | .0000000 | .0000000 |

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4. End User Access Service

The Company will provide End User Access Service (End User Access) to end users who obtain local exchange service from the Company under its general and/or local exchange tariffs and to local service providers that resell local exchange service to end users.

4.1 General Description

End User Access provides for the use of Subscriber Line Charge (SLC) and an Access Recovery Charge (ARC).

4.2 Limitations(A) Exclusions

Neither a telephone number nor detail billing is provided with End User Access. Directory listings and Intercept arrangements are not included with End User Access.

(B) Lifeline Assistance Program

The federal Lifeline Assistance Program is designed to provide a credit to monthly end user access charges for qualifying low income residential subscribers. When a carrier is designated as an eligible telecommunications carrier for the Lifeline Assistance Program and when an eligible residential end user qualifies for the Lifeline Assistance Program in association with local residential exchange service of that carrier, the Subscriber Line Charge (SLC) and Access Recovery Charge (ARC) Residence charges as set forth in 4.7.1, following, are waived.

4.3 Undertaking of the Telephone Company

The Company will provide End User Access at rates and charges as set forth in 4.7.1, following.

(A) Subscriber Line Charge (SLC)

Use of a SLC by an end user in connection with interstate Access Services provided under this tariff. Such use will be provided when the end user obtains local exchange service.

The Company will be responsible for contacts and arrangements with customers for the billing of End User Access charges.

(B) Access Recovery Charge (ARC)

The ARC is assessed when an end user or reseller obtains local exchange service from the Company and is a per month rate that is assessed to the end user or reseller of the associated local exchange service.

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4. End User Access Service (Cont'd)4.4 Obligations of Radio Common Carriers

When the end user is a Radio Common Carrier (RCC) or provider of paging service, such end users shall designate whether the local exchange service they are provided by the Company is used as an access line for RCC or paging services or used as an administrative line.

4.5 Payment Arrangements and Credit Allowances4.5.1 Minimum Period

The minimum period for which End User Access is provided to an end user and for which charges are applicable is the same as that in the general and/or local exchange tariffs for the associated local exchange service.

4.5.2 Cancellation of Orders

End User Access is canceled when the order for the associated local telephone exchange service is canceled. No cancellation charges apply.

4.5.3 Changes to Orders

When changes are made to orders for the local exchange service associated with End User Access, any necessary changes will be made for End User Access. No charges will apply.

4.5.4 Allowance for Interruptions

When there is an interruption to End User Access Service, requested credit allowances for interruptions will be provided as set forth in 2.4.4 preceding.

ACCESS SERVICE

4. End User Access Service (Cont'd)4.6 Rate Regulations4.6.1 Who is Billed

When the end user's local exchange service is provided by the Company, the SLC and ARC per month charges will be billed to the end user. When the end user's local exchange service is provided by a local service provider that resells services, the SLC and ARC per month charges will be billed to the reseller.

4.6.2 Multiparty Service

The SLC and ARC charge for each multiparty subscriber shall be assessed as if such subscriber had subscribed to single party service.

4.6.3 Business Services(A) Single Line Service

When an end user is provided a single local business exchange service in a state, multiparty service included, and when this local business exchange service is provided under the general and/or local exchange service tariffs, the SLC and ARC Single Line Business - Individual line or trunk rates as set forth in 4.7.1, following, applies to each such business individual line or trunk. In the case of multiparty service each party is deemed to be a user of a SLC and ARC.

(B) Multiline Service

When an end user is provided more than one local business exchange service in a state by the same Telephone Company, semi-public service and multiparty service included, or when local exchange service is provided for use with payphone service, and when a local exchange service is provided under the general and/or local exchange service tariffs that is not covered by (C) following (Centrex), the SLC and ARC Multiline Business - Individual line or trunk charges as set forth in 4.7.1, following, applies to each such Multiline Business individual line or trunk. In the case of multiparty service each party is deemed to be a user of a SLC and ARC.

When an end user is provided local exchange service under any general and/or local exchange tariff(s) using a DS1 (1.544 Mbps) channel service where the customer provides the terminating channelization equipment, five (5) SLC and ARC Multiline Business Individual line or trunk charges as set forth in Section 4.7.1, and the port charges as set forth in Section 8.13, following, apply to each DS1 channel service.

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4. End User Access Service (Cont'd)4.6 Rate Regulations (Cont'd)4.6.3 Business Services (Cont'd)(C) Centrex CO and Centrex CO-like Services

For business Centrex CO and business Centrex CO-like service lines or trunks, the SLC and ARC Centrex CO rates as set forth in 4.7.1, following, apply to each business line or trunk

Centrex CO is a service that (1) uses a portion of a Company switch located at the Company central office to meet the customer's internal needs and serves as the customer's interface with the local and interexchange networks and (2) links the customer's main stations to the Company switch with subscriber loops.

Centrex CO-like services are services (e.g., ESSX, Centron, Centraflex, Airport Service, Hotel-Motel Service) that operate in a manner that is substantially the same as Centrex CO and (1) are provided using switches located at Company central offices and (2) link customer main stations to the Company switch with subscriber loops.

Centrex CO and CO-like service provided to a college, university or school may serve both the college, university or school offices and the student or faculty dormitory (residential) quarters. When provided to a residential quarters, the residential portion of the service is commonly known as dormitory service. Residential charges will apply to lines to the student faculty dormitory (residential) quarters as set forth in 4.7.1, following. Business charges for lines to the university, college or school offices will apply as set forth in 4.7.1, following. Charges shall be based on the number of residence and business lines reported to the Company by the end user.

(D) Integrated Services Digital Network-Primary Rate Interface (ISDN PRI)

For ISDN PRI the ISDN PRI SLC and ARC charges as set forth in 4.7.1, following, and the port charges as set forth in 8.13 will apply per ISDN PRI service.

(E) Integrated Services Digital Network-Basic Rate Interface (ISDN BRI)

For ISDN BRI the ISDN BRI SLC and ARC charges as set forth in 4.7.1, following, will apply per ISDN BRI service.

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4. End User Access Service (Cont'd)4.6 Rate Regulations (Cont'd)4.6.4 Radio Common Carriers

SLC and ARC charges do not apply for each local exchange service used only as a path for the transmission of Radio Common Carrier (RCC) traffic between the Company serving wire center and the RCC's radio equipment.

SLC and ARC Charges will apply to the Radio Common Carrier's local exchange service used for administrative purposes. This shall also include those Radio Common Carriers providing maritime service under Part 81 of the FCC Rules and Regulations.

A Radio Common Carrier is described as a common carrier engaged in the provision of Public Mobile Service, (as defined in Part 22 of the FCC Rules and Regulations), which is not also in the business of providing landline local exchange telephone service.

4.6.5 Remote Call Forwarding

SLC and ARC charges do not apply for each local exchange service provided as Remote Call Forwarding (RCF) residential or business service, under the general and/or local exchange service tariffs.

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ACCESS SERVICE

4. End User Access Service (Cont'd)4.6 Rate Regulations (Cont'd)4.6.6 Residence Services(A) Single Line and Multiline Service

When an end user is provided local residence exchange service(s) in a state, multi-party service included, and when the local residence exchange service is provided under the general and/or local exchange service tariffs, the SLC and ARC Residence - Individual line or trunk rates as set forth in 4.7.1, following, applies to each such local residence exchange service. These charges will be waived for Residence customers who receive Lifeline Assistance Program benefits.

Residence SLC rates are applied as primary or non-primary.

The designation of primary and non-primary is as follows. The primary rate is assessed to the residential subscriber line which is any or all of the following:

- (1) the only line provided at that service address; or
- (2) the first line installed at that location. Any additional residence exchange lines at the same service location, regardless of the named subscriber, will be assessed the non-primary rate; or
- (3) the line designated as the primary by the billed party or parties when multiple exchange lines are ordered at the same time for the same service location.

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4. End User Access Service (Cont'd)4.6 Rate Regulations (Cont'd)4.6.6 Residence Services(A) Single Line and Multiline Service (Cont'd)

In most cases only one line at a service location can be classified primary; all others are considered to be non-primary.

In the case of multiparty service each party is deemed to be a user of a SLC and ARC. These charges will be waived for Residence customers who receive Lifeline Assistance Program benefits.

(B) Centrex CO and CO-Like Dormitory Service

Regulations concerning the application of SLC and ARC charges to student or faculty dormitory (residential) quarters served by Centrex CO or CO-like service are set forth in 4.7.1.

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4. End User Access Service (Cont'd)4.7 Rates and Charges4.7.1 End User Access Service Charges and Federal Universal Service Charge(A) Federal Universal Service Charge (FUSC)

Regulations concerning the Federal Universal Service Charges are set forth in Section 3.9 preceding.

| | |
|-----------------------|-------------------|
| | <u>Percentage</u> |
| FUSC Surcharge Factor | 34.5% |

(I)

(B) End User Access Service - Subscriber Line Charge (SLC)

| Residence | | Business | |
|-----------|-------------------------|-------------|---|
| Primary | Non-Primary ISDN BRI | Single Line | Multiline ISDN PRI ^[1] Centrex |
| \$6.50 | \$7.00 | \$6.50 | \$9.20 |

(C) End User Access Service - Access Recovery Charge (ARC)

| MONTHLY RATES (Per Line or Trunk, each) | | |
|--|-------------------------|--|
| Residence | Business | |
| Primary, Non-Primary ^[2] | Single Line ISDN BRI | Multi-Line Centrex ^[3] ISDN BRI |
| 0.00 | 2.50 | 3.00 |

^[1] For ISDN-PRI, multiply the SLC rate times five for each T-1 facility.

^[2] The ARC Charge does not apply to customers purchasing Brightspeed's Pure Broadband Bundle.

^[3] Centrex customers that have a Dedicated Centrex Common Block are exempt from the ARC charge.

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ACCESS SERVICE

5. Ordering Switched and Special Access Service

For Special Access Ordering, only Non-Competitive End-User Channel Terminations (EUCTs) are filed as part of this tariff. Ordering for other Special Access Services to complete the circuit are outside this tariff and can be accessed at the Company's website or Company's other designated location.

This section sets forth the regulations and order related charges for Access Orders for Switched Access Service and Special Access Non-Competitive End User Channel Terminations (EUCTs) and Expanded Interconnection Services (EIS). These charges are in addition to other applicable charges as set forth in other sections of this tariff.

5.1 Access Service Request Requirements

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

- Switched Access as in Section 6,
- Special Access Non-Competitive EUCT as in Section 7,
- Expanded Interconnection Service as in Section 17, and
- Other Services as in other sections of the tariff.

When placing an order for Access Services, the customer must complete a Company Access Service Request and shall provide the information as required in 5.1.1, 5.1.2, and 5.1.3 following.

5.1.1 General

A customer may order any number of services of the same type and between the same premises on a single Access Service Request. All details for services for a particular order must be identical except for those for multipoint service.

A customer may order access service on behalf of the customer's end user. The customer must provide the Company all the necessary information as set forth in this section.

The customer shall provide all information necessary for the Company to provide and bill for the requested service. In addition to the order information required in 5.1.2 and 5.1.3 following, the customer must also provide:

- Customer name and premises address(es)
- Billing name and address (when different from customer name and address).
- Customer contact name(s) and telephone number(s) for the following provisioning activities: order negotiation, order confirmation, interactive design, installation and billing.

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5. Ordering Switched and Special Access Service (Cont'd)5.1 Access Service Request Requirements (Cont'd)5.1.2 Switched Access Ordering Requirements

Switched Access Service may be ordered by the customer on the basis of line-side or trunk - side access connections at Telephone Company locations. Trunk side ordering regulations are as set forth in 5.1.2(A). Line side ordering regulations are as set forth in 5.1.2(B).

(A) Trunk Side Access Services

FGB, FGC, FGD, BSA-B, BSA-C, BSA-D, 500, 800, 877, 888, and 900 Access services are provided by the Telephone Company via trunk side connections. Trunk side connections shall be established via orders for Entrance Facilities, Direct-Trunked Transport or Tandem-Switched Transport. 500 and 900 Access Service Trunks are provided only at Telephone Company designated switches capable of performing the customer identification function for 500 and 900 services. All 500 and 900 NXX code assignments and administration shall be in accordance with the North American Numbering Plan (NANP). 800/877/888 Access Service Trunks are offered only in conjunction with the 800/877/888 customer identification function as described in 6.2.5(A)(1) and in conjunction with 800/877/888 Data Base Query Service as described in 6.2.10(D). Customers may request 800/877/888 access connections to suitably equipped end offices and Telephone Company access tandem offices. A list of those offices will be provided upon request. All 800/877/888 number assignments shall be administered by the Number Administration Service Center (NASC) through the Service Management System (SMS). When direct routing of 500, 800, 877, 888 or 900 Access Service traffic via 500, 800, 877, 888 or 900 Access Service trunks is desired, or when the customer's 500, 800, 877, 888 or 900 Access Service traffic is combined in the same trunk group arrangement with the customer's FGC, FGD, BSA-C or BSA-D traffic, the customer must complete an Access Service Request as set forth in (1) or (2).

(1) Local Transport Entrance Facilities and Direct-Trunked Transport

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 Telephone Company access tandem if direct routing to a Telephone Company access tandem for purposes of obtaining Tandem-Switched Transport is desired.

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5. Ordering Switched and Special Access Service (Cont'd)5.1. Access Service Request Requirements (Cont'd)5.1.2 Switched Access Ordering Requirements (Cont'd)(A) Trunk Side Access Services (Cont'd)(1) Local Transport Entrance Facilities and Direct-Trunked Transport (Cont'd)

ASRs for Direct-Trunked Transport must also specify the Feature Group or Serving Arrangement, number of trunks at the end office or Telephone Company tandem, major traffic types and directionality. Originating traffic may be categorized into Domestic, 500, 800, 888, 900, operator and IDDD when the customer wishes to further segregate their originating traffic.

(2) Tandem-Switched Transport

Customers may order FGB, FGC, FGD, BSA-B, BSA-C, BSA-D 500, 800, 888 and 900 Tandem-Switched Transport Services by specifying the number of trunks desired between their premises and the Telephone Company access tandem or BHMCs between the customer's premises and the end office and the Local Transport and Local Switching Options desired. When ordering by trunk quantities rather than BHMC quantities to a Telephone Company access tandem, the customer must also provide to the Telephone Company an End Office Detail Form specifying an estimate of the amount of traffic it will generate to and/or from each end office subtending the Telephone Company access tandem to assist the Telephone Company in its own efforts to project further facility requirements. The major traffic types and directionality must also be specified to enable efficient provisioning and billing functions.

There are two major traffic types identified as Originating and Terminating traffic. Because some customers will wish to further segregate their originating traffic into separate trunk groups, originating traffic may be further categorized into Domestic, 500, 800, 888, 900, operator and IDDD.

When a customer orders FGB, FGC, FGD, BSA-B, BSA-C, BSA-D, 500, 800, 888 or 900 Tandem-Switched Transport Service in trunks, the customer is responsible to assure that sufficient access facilities have been ordered to handle this traffic.

ACCESS SERVICE

5. Ordering Switched and Special Access Service (Cont'd)5.1 Access Service Request Requirements (Cont'd)5.1.2 Switched Access Ordering Requirements (Cont'd)(A) Trunk Side Access Services (Cont'd)(2) Tandem Switched Transport (Cont'd)

Customers may order FGB, FGC, FGD, BSA-B, BSA-C, BSA-D, 500, 800, 888 or 900 Tandem Switched Transport by specifying the number of busy hour minutes of capacity (BHMC) from the customer's premises to the end office by Switched Access arrangement and by type of BHMC. This information is used to determine the number of transmission paths as set forth in 6.5.5 following. The customer then specifies the Local Transport and Local Switching options desired, and for FGB and BSA-B the manner in which interstate communications shall be completed.

The BHMC may be determined by the customer in the following manner. For each day (8 AM to 11 PM, Monday through Friday, excluding national holidays), the customer shall determine the highest number of minutes of use for a single hour (e.g., 55 minutes in the 10-11 am hour). The customer shall, for the same hour period (i.e., busy hour) for each of twenty consecutive business days, pick the twenty consecutive business days in a calendar year which add up to the largest number of minutes of use. Both originating and terminating minutes shall be included. The customer shall then determine the average busy hour minutes of capacity (i.e., BHMC) by dividing the largest number of minutes of use figure for the same hour period for the consecutive twenty business day period by 20. This computation shall be performed for each end office the customer wishes to serve. These determinations thus establish the forecasted BHMC for each end office.

BHMCs are differentiated by type and directionality of traffic carried over a Switched Access Service arrangement. Differentiation of traffic among BHMC types is necessary for the Telephone Company to properly design Switched Access Service to meet the traffic carrying capacity requirement of the customer. There are two major BHMC categories identified as Originating and Terminating. Because some customers will wish to further segregate their originating traffic into separate trunk groups, originating BHMCs are further categorized into Domestic, 500, 800, 888, 900, Operator and IDDD.

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5. Ordering Switched and Special Access Service (Cont'd)5.1 Access Service Request Requirements (Cont'd)5.1.2 Switched Access Ordering Requirements (Cont'd)(A) Trunk Side Access Services (Cont'd)(3) 900 NXX Code Activation/Deactivation

900 Access Service NXX Code Activation shall be ordered by the customer for an entire Telephone Company serving area, state within a serving area, or LATA associated with a Telephone Company serving area. The customer must specify in its Access Service Request, the 900 NXX codes to be activated or deactivated and the service area desired. The Telephone Company will activate or deactivate the requested NXX codes in all Telephone Company switches which perform the customer identification function for 900 Access Service within the service area ordered by the customer. Telephone Company serving areas are set forth on Title Page 2, 3 and 4.

When a customer's 900 Access Service traffic originates from a Telephone Company end office which is not capable of performing the customer identification function the customer may be required, upon reasonable notice, to provide the Telephone Company an estimate of the amount of traffic it will generate from the end office to assist the Telephone Company in its own efforts to project future facility requirements.

For additions and/or deletions of 900 Access Service NXX(s) subsequent to the initial order for service, the customer shall place an Access Service Request for such additions and/or deletions at least 30 days prior to the effective date of the change in order to allow the Telephone Company sufficient time to implement the change. Calls originating in Telephone Company jurisdictions to NXXs which the customer has not ordered activated will be blocked in those end offices or Telephone Company access tandems which possess the technical capabilities to block such calls.

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5. Ordering Switched and Special Access Service (Cont'd)5.1 Access Service Request Requirements (Cont'd)5.1.2 Switched Access Ordering Requirements (Cont'd)(A) Trunk Side Access Services (Cont'd)(4) Operator Services

Operator Services, as set forth in Section 16 following, are provided to all customers via FGD or BSA-D Switched Access Service for calls associated with end offices converted to equal access. Operator Services are provided for calls associated with end offices not converted to equal access via FGC or BSA-C Switched Access Service to AT&T only. Operator Service customers must order, if none exists, sufficient Switched Access trunking facilities between their premises and the Telephone Company designated Operator Service switching locations in accordance with the ordering requirements set forth in (1) and (2). At the option of the customer, Operator Transfer and Inward Operator Assistance traffic may be combined on the same trunk group. Operator Service switching locations, in which Operator Services are available, are identified in National Exchange Carrier Association Tariff F.C.C. No. 4. Rates and charges applicable to the provision of Operator Service functions are set forth in Section 16.

(5) Coin Services

An Access Service Request (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 Telephone Company access tandem or end office level. For an initial customer order at a 1+ coin Telephone Company access 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 Telephone Company access 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+ interLATA coin traffic to a provider other than the customer.

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5. Ordering Switched and Special Access Service (Cont'd)5.1 Access Service Request Requirements (Cont'd)5.1.2 Switched Access Ordering Requirements (Cont'd)(A) Trunk Side Access Services (Cont'd)(6) Common Channel Signaling System 7 Services

Common Channel Signaling System 7 (CCS7) Access Service facilities may be ordered by the customer for interconnection between a Telephone Company Signal Transfer Point (STP) and a customer's premises. CCS7 Access Services shall be ordered and installed pursuant to specifications in Bellcore Technical Reference Publication TR-TSV-000905. Each service application used in conjunction with CCS7 Access Service will require a separate ASR.

When ordering SS7 Out of Band Signaling for FGD, BSA-D, 500, 800, 888 or 900 Access Service, the ASR must specify the existing CCS7 Access Service facilities or a related ASR for CCS7 Access Service. The ASR must also include STP point codes, STP location identifier codes, FGD, BSA-D, 500, 800, 888 or 900 Access Service trunk circuit identification codes, and switch type. All traffic carried by that FGD, BSA-D, 500, 800, 888 or 900 Access Service will be equipped with Out of Band Signaling. The customer and the Telephone Company will work cooperatively to determine the number of CCS7 Access Service connections required to handle the customer's SS7 Out of Band Signaling traffic.

(7) 500 NXX Code Activation/Deactivation

500 Access Service NXX Code Activation shall be ordered by the customer for an entire Telephone Company serving area, state within a serving area, or LATA associated with a Telephone Company serving area. The customer must specify on its Access Service Request, the 500 NXX codes to be activated or deactivated and the service area desired. The Telephone Company will activate or deactivate the requested NXX codes in all Telephone Company switches which perform the customer identification function for 500 Access Service within the service area ordered by the customer. Telephone Company serving areas are set forth on Title Page 2, 3 and 4.

When a customer's 500 Access Service traffic originates from a Telephone Company end office which is not capable of performing the customer identification function the customer may be required, upon reasonable notice, to provide the Telephone Company an estimate of the amount of traffic it will generate from the end office to assist the Telephone Company in its own efforts to project future facility requirements.

ACCESS SERVICE

5. Ordering Switched and Special Access Service (Cont'd)5.1 Access Service Request Requirements (Cont'd)5.1.2 Switched Access Ordering Requirements (Cont'd)(A) Trunk Side Access Services (Cont'd)(7) 500 NXX Code Activation/Deactivation (Cont'd)

For additions and/or deletions of 500 Access Service NXX(s) subsequent to the initial order for service, the customer shall place an Access Service Request for such additions and/or deletions at least 30 days prior to the effective date of the change in order to allow the Telephone Company sufficient time to implement the change. Calls originating in Telephone Company jurisdictions to NXXs which the customer has not ordered activation will be blocked in those end offices or Telephone Company access tandems which possess the technical capabilities to block such calls.

- (8) When a customer orders Tandem Switch Signaling (TSS) as described in 6.5.3(D) and 6.5.14, 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, 500 SAC, 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 or BSA-D trunk group, 500 SAC Access Service trunk group 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.

- (9) When ordering FGD or BSA-D Switched Access with 950-XXXX Access as described in 6.3.2(AB), 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.
- (10) When ordering Carrier Identification Parameter (CIP) as described in 6.3.2(AC), the customer shall provide an ASR specifying a reference to existing FGD switched access services or reference to a related ASR for FGD switched access services. The customer's ASR shall specify the information necessary to identify the trunk group to which CIP is to be added.

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5. Ordering Switched and Special Access Service (Cont'd)5.1 Access Service Request Requirements (Cont'd)5.1.2 Switched Access Ordering Requirements (Cont'd)(B) Line Side Access Services

FGA and BSA-A Access service is provided by the Telephone Company via line-side connections. All customers shall provide the ordering requirements as follows:

For FGA or BSA-A Switched Access Service, the customer shall specify the number of lines and the first point of switching (i.e., dial tone office), the type of Local Transport Entrance Facility and Direct-Trunked Transport, the Local Transport options and Local Switching options desired, and the manner in which interstate communications shall be completed. In addition, the customer shall also specify which lines are to be arranged in multiline hunt group arrangements and which lines are to be provided as single lines.

When FGA or BSA-A is ordered the customer shall specify whether or not the terminating traffic is to be restricted to the FGA or BSA-A Access Area (local exchange calling area) as set forth in 6.2.1(A)(7) or allowed to extend beyond the FGA or BSA-A Access area but within the LATA. When FGA or BSA-A traffic is terminated beyond the Access Area but remains within the LATA, the rates for Switched Access as set forth in 6.5.8, will apply.

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5. Ordering Switched and Special Access Service (Cont'd)5.1 Access Service Request Requirements (Cont'd)5.1.3 Special Access Services(A) General

When placing an order for Special Access Non-Competitive End User Channel Terminations (EUCTs), the customer must provide the requirements as follows:

For all Special Access Services, the customer must specify the customer designated premises, or Hubs involved, the type of service, (e.g., Voice Grade, High Capacity, etc.) the channel interface, technical specification package and options desired. The customer must also indicate the jurisdiction of the circuit as set forth in 7.1.9 following. For DS3 High Capacity Non-Competitive EUCTs, the customer must indicate the minimum service period and level of capacity. For multipoint services, the channel interface at each premises may, at the request of the customer, be different but all such interfaces shall be compatible.

Where the Special Access Non-Competitive EUCT is exempt from the Special Access Surcharge, the customer shall furnish with the Access Service Request the certification as set forth in 7.2.1(E) following. Exemption certifications may be provided in writing or by use of an Access Service Request.

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5. Ordering Switched and Special Access Service (Cont'd)5.1 Access Service Request Requirements (Cont'd)5.1.4 Switched Access Interface

The Switched Access Interface optional feature, as set forth in 6.3.2 following, is ordered by a customer in the provision of that customer's interstate communications service (e.g., WATS, 800, 888 or WATS-type services) to end users. Orders for the Switched Access Interface must specify the required information as set forth preceding for the appropriate Switched Access Service Feature Group or BSA and Voice Grade Special Access Service. The customer must also specify the Switched Access Interface Arrangement optional features, if any, the directionality of the service to be provided (i.e., originating, terminating, or two-way) and the type of Supervisory Signaling.

If the wire center that serves the customer's end user premises is not a WATS Serving Office (WSO) the Telephone Company will configure the Special Access portion of the service to the nearest wire center where the necessary functions exist.

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5. Ordering Switched and Special Access Service (Cont'd)5.1 Access Service Request Requirements (Cont'd)5.1.5 Equal Access Conversions

When an office is scheduled to be converted to equal access, the IC must submit an Access Service Request for FGD or BSA-D service no later than 120 days prior to the end office equal access conversion date in order for the IC to participate in the presubscription process as described in 8.5. 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.

Customers may request existing FGA, FGB, BSA-A or BSA-B services be converted to FGD or BSA-D upon the conversion of an office to equal access. Changes in Feature Group or BSA types are provided as set forth in 6.5.4(E).

(A) Feature Group D and BSA-D Facilities Shortages

In the event a shortage of FGD or BSA-D resources exists, the Telephone Company will make every reasonable effort to meet all Access Service Requests as of the equal access conversion date. In the event these efforts are unsuccessful, the Telephone Company will notify all ICs requesting FGD or BSA-D service that a shortage of facilities exist and allocation of available facilities among participating ICs is necessary.

The available resources are determined by the Telephone Company and represent the equipment and facility quantities necessary to provide FGD or BSA-D service, excluding intraLATA FGC or BSA-C and interLATA FGC or BSA-C terminating resources currently in service. If the interLATA FGC or BSA-C trunks are arranged to carry two-way traffic, one half will be considered available resources.

FGD and BSA-D resources are allocated to each IC based on the percent of end users that are presubscribed to that IC as counted 30 days prior to the conversion date. For example, if 10% of end users in an end office, or a group of end offices served by a common Telephone Company access tandem, scheduled to be converted to equal access are presubscribed to a particular IC, 10% of the total available FGD or BSA-D services will be allocated to that IC.

The quantity of resources in service for each IC as determined by the allocation process will be adjusted on the basis of actual usage and blocking measurements. Actual usage adjustments will be made 90 days after conversion to equal access. If necessary, this reallocation process will continue at three month intervals until all initial service requests have been met.

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5. Ordering Switched and Special Access Service (Cont'd)5.1 Access Service Request Requirements (Cont'd)5.1.6 Provision of Other Services

(A) (Cont'd)

Testing Service, Additional Labor, Restoration Priority and Special Facilities Routing shall be ordered with an Access Service Request or as set forth in (B) following. 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 Access Service with which they are associated.

(B) Where possible, the Telephone Company will allow the services listed preceding to be subsequently added to an Access Service Request at any time, up to and including the service date for the Access Service. When added subsequently, charges for a design change as set forth in 5.3.1(C) following will apply when an engineering review is required.

(C) Additional Engineering is not an ordering option, but will be applied to an Access Service Request when the Telephone Company determines that Additional Engineering is necessary to accommodate a customer request. Additional Engineering conditions and charges are as set forth in 8.1 following and are in addition to the regulations, rates and charges specified in this section.

(D) 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.

5.1.7 Access Order Service Date Intervals

Access Service is provided with Service Date Intervals. The Service Date Interval is that period of time which the Telephone Company requires to properly provision the service and begins when the customer submits a completed Access Service Request for service, as set forth in 5.1 preceding.

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5. Ordering Switched and Special Access Service (Cont'd)5.1 Access Service Request Requirements (Cont'd)5.1.7 Access Order Service Date Intervals (Cont'd)

The Company shall publish and make available to all customers, upon reasonable request, a schedule of Service Date Intervals applicable for Switched and Special Access Services. The schedule shall specify the services and the quantities of services that can be provided in the Service Date Intervals. Service Date Interval schedules are provided during regular business days at Company offices at which the customer places an order for Access Service.

Access Services provided in a Service Date Interval will be installed during Company business days. If a customer requests that installation be done outside of scheduled work hours, and the Company agrees to this request, the customer will be subject to applicable Additional Labor Charges as set forth in 8.2 following.

5.1.8 Selection of Facilities For Access Order

When there are analog or digital high capacity facilities to a Hub on order or in service for the customer's use, the customer may request a specific channel or transmission path be used to provide the Switched Access Service or Special Access Non-Competitive End User Channel Termination (EUCT) requested in an Access Service Request. The Company will make a reasonable effort to accommodate the customer request.

For all other Access Service Requests, the option to request a specific transmission path or channel is not provided except as provided for under Special Facilities Routing as set forth in 11 following.

5.1.9 Shared Use Facilities

Shared Use (i.e., Switched Access Services and Special Access Services provided over the same analog or digital high capacity facilities) is allowed. Shared use facilities to a Hub will be ordered and provided as either Switched Access or Special Access Service. While shared use is allowed, individual services utilizing these facilities must be ordered either as Switched Access Service or Special Access Service. When placing the order for the individual service(s), the customer must specify a channel assignment for each service ordered.

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5. Ordering Switched and Special Access Service (Cont'd)5.1 Access Service Request Requirements (Cont'd)5.1.10 Expanded Interconnection Services (EIS)

When ordering Expanded Interconnection Services (EIS) as described in 17.5, the customer shall place an ASR for the Switched Access or Special Access Cross Connect, as described in 6.5.13 and 7.2.1(F) 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.

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5. Ordering Switched and Special Access Service (Cont'd)5.2 Access Services Provided by More than One Company

The Company will provide Access Services under this tariff where more than one Company is involved in the provision of Access Service as set forth in (A), (B) or (C). The Single Company Billing arrangement as set forth in (A) will be used for FGA and BSA-A switched access services except where interconnection arrangements between the Companies involved permit the use of the Multiple Company Billing arrangement as set forth in (B). The Company will notify the customer of the billing arrangement when the customer orders FGA or BSA-A service. The Multiple Company Billing arrangement, as set forth in (B) will be used for all FGB, FGC, FGD, BSA-B, BSA-C, BSA-D, 500, 800, 888 Access and 900 Access Services and Special Access Non-Competitive End User Channel Terminations (EUCTs).

(A) Single Company Billing

For FGA and BSA-A Switched Access Service the customer shall submit an ASR to the Company in whose territory the dial tone office is located. The Company receiving the order from the customer will arrange to provide the service and bill the customer as set forth in 2.4.7 (A).

For services ordered as set forth preceding, the customer shall provide a copy of the ASR containing all information as required in 5.1 to any other Company involved in providing the service.

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5. Ordering Switched and Special Access Service (Cont'd)5.2 Access Services Provided by More than One Company (Cont'd)(B) Multiple Company Billing

Access services subject to Multiple Company Billing will be provided by the Companies involved in accordance with the Exchange Carrier Standards Association's Multiple Exchange Carrier Access Billing Guidelines (MECAB) and Multiple Exchange Carrier Ordering and Design Guidelines (MECOD).

For all Switched Access Services and Special Access Non-Competitive End User Channel Terminations (EUCTs), the customer shall submit an ASR to each Company involved in providing the service.

Each Company will provide the appropriate access service elements within its operating territory to a physical point of interconnection with the other involved Companies. The physical point of interconnection is the location where one Company's facilities connect with another Company's facilities.

Each Company that receives an order will bill the customer for the appropriate access service elements provided by each respective Company as set forth in 2.4.7 (B) preceding.

(C) EAS Arrangements

Where a customer utilizes FGA or BSA-A to originate and/or terminate calls within an Extended Area Service (EAS) calling area provided by more than one Company, as set forth in 2.4.7(B) preceding, the customer shall submit an ASR for FGA or BSA-A service in the manner set forth in (A) preceding. The customer shall also provide a copy of the ASR to any other Company involved in providing the service within the EAS calling area.

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ACCESS SERVICE

5. Ordering Switched and Special Access Service (Cont'd)5.3 Access Order Charges5.3.1 Access Service Request Modifications

The customer may request a modification of its Access Service Request prior to the service date. The 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 order within normal business hours. If the modification cannot be made with the normal work force during normal business hours, the Company will notify the customer. If the customer still desires the Access Service Request modification, the Company will schedule a new service date. All charges for Access Service Request modifications will apply on a per occurrence basis.

Any increase in the number of Special Access Service Non-Competitive End User Channel Terminations (EUCTs), Switched Access Service Entrance Facility circuits, Direct-Trunked Transport circuits, lines, trunks or busy hour minutes of capacity, or STP Port Terminations and CCS7 Access Service facilities will be treated as a new Access Service Request (for the increased amount only).

If order modifications are necessary to satisfy the transmission performance for a Special Access Non-Competitive EUCT ordered by a customer, these changes will be made without order modification charges being incurred by the customer.

(A) Service Date Change Charge

Access Order service dates may be changed, but the new service date may not exceed the original service date by more than 60 calendar days. If the customer is unable to accept the service on the established service date and/or the customer requested service date is more than 60 calendar days after the original service date, the customer will have the option of (a) or (b) following:

- (a) The original order will be canceled by the Company, and reissued with appropriate cancellation charges applied, or
- (b) The billing will commence for the services ordered on the original ASR.

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5. Ordering Switched and Special Access Service (Cont'd)5.3 Access Order Charges (Cont'd)5.3.1 Access Service Request Modifications (Cont'd)(A) Service Date Change Charge (Cont'd)

If the Company determines it can accommodate the customer's request without delaying service dates for orders of other customers, a new service date may be established that is prior to the original standard or negotiated interval service date.

If the service date is changed to an earlier date, the customer will be notified by the Company that Expedited Order Charges as set forth in (D) following apply. Such charges will apply in addition to the Service Date Change Charge.

A Service Date Change Charge will apply, on a per order per occurrence basis, for each service date changed after the Plant Test Date of the ASR. The applicable charge is:

| | SWITCHED ACCESS CHARGE * | NON-COMPETITIVE SPECIAL ACCESS EUCT CHARGE |
|---------------------------------------|--------------------------------|---|
| Service Date Change Charge, per order | \$13.11 | \$26.21 |

(B) Access Ordering Charge

This charge, applied on a per ASR basis, is associated with the work performed by the Company in connection with the receiving, recording and processing of service requests. The 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 Access Ordering Charge applies. This charge is in addition to any Service Installation Charge for Entrance Facility installations.

The Access Ordering Charge also applies to requests to activate additional trunks or to increase BHMC on existing Switched Transport Facilities, changes in the type of Feature Group or Direct-Trunked Transport, and for any modifications or changes to existing services that are not considered an administrative change as described in 6.5.4(B).

- * This flat rated charge was calculated based upon a 50/50 split between originating and terminating. The FCC in their FCC 11-161 ICC Transformation Order in Section 51.907(d)(1) allowed Price Cap Carriers to use an equal split to divide the charge between originating and terminating elements. When the terminating portion of the rate is reduced and then combined with the originating portion of the rate, a single flat rate is generated for billing purposes.

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5. Ordering Switched and Special Access Service (Cont'd)5.3 Access Order Charges (Cont'd)5.3.1 Access Service Request Modifications (Cont'd)(B) Access Ordering Charge (Cont'd)

This charge also applies, per ASR, for the installation, addition, change, rearrangement or move of EIS Switched Access Service and Special Access Non-Competitive End User Channel Terminations (EUCTs), except as specified in 6.5.4(B).

The 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 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 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).

| <u>Jurisdiction</u> | <u>Switched Access Charge *</u> | <u>Non-Competitive Special Access EUCT Charge</u> |
|---------------------|---|---|
| Alabama | \$17.59 | \$32.01 |
| Missouri | 15.07 | 32.01 |

* This flat rated charge was calculated based upon a 50/50 split between originating and terminating. The FCC in their FCC 11-161 ICC Transformation Order in Section 51.907(d)(1) allowed Price Cap Carriers to use an equal split to divide the charge between originating and terminating elements. When the terminating portion of the rate is reduced and then combined with the originating portion of the rate, a single flat rate is generated for billing purposes.

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5. Ordering Switched and Special Access Service (Cont'd)5.3 Access Order Charges (Cont'd)5.3.1 Access Service Request Modifications (Cont'd)(C) Design Change Charge

The customer may request a design change to the service ordered. A design change is any change to an Access Service Request which requires engineering review. An engineering review is a review by Company personnel, of the service ordered and the requested changes to determine what changes in the design, if any, are necessary to meet the changes requested by the customer. Design changes include such things as the addition or deletion of optional features or functions or a change in the signaling arrangements associated with Switched Access Entrance Facility interface groups. Design changes do not include a change of Switched Access Entrance Facility type, end user premises, end office switch, Feature Group or BSA type or Special Access Service Non-Competitive End User Channel Termination (EUCT) type. Changes of this nature will require the issuance of a new order and the cancellation of the original order with appropriate cancellation charges applied.

The Company will review the requested change, notify the customer whether the change is a design change, if it can be accommodated and if a new service date is required. If the customer authorizes the Company to proceed with the design change, a Design Change Charge will apply. The Design Change Charge will apply on a per order per occurrence basis, for each order requiring a design change. The applicable charge is:

| | SWITCHED ACCESS <u>CHARGE</u> * | NON-COMPETITIVE SPECIAL ACCESS <u>EUCT CHARGE</u> |
|---------------------------------|---------------------------------------|--|
| Design Change Charge, per order | \$13.11 | \$26.21 |

If a change of service date is required, the Service Date Change Charge as set forth in (A) preceding will also apply.

- * This flat rated charge was calculated based upon a 50/50 split between originating and terminating. The FCC in their FCC 11-161 ICC Transformation Order in Section 51.907(d)(1) allowed Price Cap Carriers to use an equal split to divide the charge between originating and terminating elements. When the terminating portion of the rate is reduced and then combined with the originating portion of the rate, a single flat rate is generated for billing purposes.

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5. Ordering Switched and Special Access Service (Cont'd)5.3 Access Order Charges (Cont'd)5.3.1 Access Service Request Modification (Cont'd)(D) Expedited Order Charge

An Expedited Order Charge will apply when a customer requests a service date that is earlier than the standard interval date for the following services ordered:

Voice Grade
Program Audio
Digital Data
DS1
DS3

If the company agrees to provide the service on an expedited basis, an expedited order charge will apply.

The request for an earlier service date may be received from the customer prior to the issuance of an access order, or after the access order has been issued but prior to the service date. When the request for expediting occurs subsequent to the issuance of the Access Order, a Service Date Change Charge as set forth preceding also applies.

If the Company is subsequently unable to meet an agreed upon expedited service date, no Expedited Order Charge will apply unless the missed service date was caused by the customer.

In the event the customer cancels an expedited access order, the Expedited Order Charge will apply in addition to cancellation charges as described in 5.3.2 (C) following.

An Expedited Order Charge will not apply to access service orders expedited for Company reasons.

The Expedited Order Charge will apply per access order, per business day improved from the standard interval date to the in-service date. The rate for an Expedited Order Charge is set forth following.

| | |
|------------------------------------|-------------|
| | <u>Rate</u> |
| Per Access Order, Per Business Day | \$400.00 |

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5. Ordering Switched and Special Access Service (Cont'd)5.3 Access Order Charges (Cont'd)5.3.2 Cancellation of an Access Service Request

A customer may cancel an Access Service Request on any date after receipt of the Access Service Request by the Telephone Company and prior to the installation of service. The cancellation date is the date the Telephone Company receives written or verbal notice from the customer that the Access Service Request order is to be canceled. The verbal notice must be followed by written confirmation within 10 days. If written confirmation of the cancellation is not received by the Telephone Company, the verbal notice will not be considered a valid cancellation notice. When a customer cancels an Access Service Request for the discontinuance of service, no charges apply for the cancellation.

(A) Delay of Service Date by Customer

If a customer or a customer's end user is unable to accept Access Service within 30 calendar days after the original service date, the customer has the choice of the following options:

- The Access Service Request shall be canceled and charges set forth in (C) following will apply, or
- Billing for the service will commence.

In such instances, the cancellation date or the billing date, depending on which option is selected by the customer, shall be the 31st day beyond the original service date of the Access Service Request.

For all orders placed before the effective date of this tariff, December 2, 2016, the preceding ordering options will be in effect. For all orders placed on or after the effective date of this tariff, December 2, 2016, the following ordering options will be in effect.

A customer may cancel an Access Order for the installation of service at any time prior to notification by the Telephone Company that service is available for the customer's use. The cancellation date is the date the Telephone Company receives written or verbal notice from the customer that the order is to be canceled. The verbal notice must be followed by written confirmation within 10 days. If a customer or a customer's end user is unable to accept Access Service within 30 calendar days of the latest agreed upon service date (i.e. firm order confirmation date), the customer has the choice of the following options:

- The Access Order will be canceled and charges set forth in (B) following will apply if the service has not been fully provisioned; or
- The Access Order will be completed and billing for the service will commence if the service has been fully provisioned or the customer has indicated that billing for the service should begin.

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5. Ordering Switched and Special Access Service (Cont'd)5.3 Access Order Charges (Cont'd)5.3.2 Cancellation of an Access Service Request (Cont'd)(B) Delay of Service Date by Company

If the Company misses a service date by more than 30 days due to circumstances over which it has direct control (excluding, e.g., Acts of God, governmental requirements, work stoppages and civil commotions), the customer may cancel the Access Service Request without incurring cancellation charges.

(C) Cancellation Charge

When a customer cancels an Access Service Request prior to the service date, the Cancellation Charge specified in (1) or (2) following, shall apply.

- (1) When an ASR for Special Access Non-Competitive End User Channel Terminations (EUCTs) 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 Application Date and the last day of the service date interval).
- (2) When an ASR for Switched Access Service is canceled on or after the Application Date, the Cancellation Charge is calculated, on a per ASR basis, by multiplying the total installation charge 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.

(D) Partial Cancellation Charge

Any decrease in the number of ordered Special Access Non-Competitive EUCTs, Switched Access Service lines, trunks or busy hour minutes of capacity, or STP Port Terminations and CCS7 Access Service facilities, on a pending ASR will be treated as a partial cancellation. The charge will be determined by multiplying the total switched access installation or special access nonrecurring charge for the canceled portion of the order by the number of business days elapsed since the order date and dividing that figure by the number of days in the service interval.

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5. Ordering Switched and Special Access Service (Cont'd)5.3 Access Order Charges (Cont'd)5.3.3 Minimum Period Charges

- (A) When Access Service is disconnected prior to the expiration of the minimum period, charges are applicable for the balance of the minimum period. A disconnect constitutes facilities being returned to available inventory.

For purposes of applying minimum period charges, the disconnect date shall be two business days after the date the Company receives written notification from the customer or the date the customer requests service be disconnected, whichever is the later date.

- (B) The Minimum Period Charge for monthly billed services will be determined as follows:

For Switched Access Service excluding Entrance Facility and Direct-Trunked Transport elements, the charge for a month or fraction thereof is equal to the sum of the applicable switched access rates times the actual or assumed usage for the month as set forth in 6.5.7(B) following.

For Special Access Non-Competitive End User Channel Terminations (EUCTs), Switched Access Entrance Facility, and Direct-Trunked Transport services the charge for a month or fraction thereof is the applicable monthly rates for the service as set forth in 7.2.3 and 6.6 following.

The Minimum Period Charge for part-time Program Audio Non-Competitive EUCTs is the applicable daily rate for the service as set forth in 7.2.3 following.

For the Primary Interexchange Carrier charge, the charge is the applicable monthly rate as set forth in 3.5.

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6. Switched Access Service6.1 General

Switched Access Service, which is available to customers for their use in furnishing their service to end users, provides a two-point electrical communications path between a customer's premises and end user's premises. It provides for the use of common terminating, switching and trunking facilities, dedicated trunking facilities, and common subscriber plant of the Telephone Company. Switched Access Service provides for the ability to originate calls from an end user's premises to a customer's premises, and to terminate calls from a customer's premises to an end user's premises in the Access Area where it is provided. Specific descriptions of each Switched Access Service are provided in 6.2. 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 services, when used to provide Tandem Switch Signaling (TSS) may be connected to a customer's access tandem via Switched Transport Access services or 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 described in Section 17. TSS is available only with FGD and BSA-D Switched Access, 500 SAC Access and 900 SAC Access Services provided from equal access end offices. TSS is provided in multifrequency (MF) address signaling format from equal access end offices. TSS is also provided in SS7 Out of Band Signaling format at suitably equipped (Service Switching Point) end offices. TSS is not available from end offices that use alternate technologies to provide equal access capabilities, nor from Telephone Company access tandems.

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

Switched Access Service purchased from the provisions of this tariff may be commingled with unbundled network elements, where available, or unbundled network element combinations, where available, purchased pursuant to the Commission's Part 51 Interconnection Rules and in compliance with the Federal Communications Commission's Report and Order and Order on Remand and Further Notice of Proposed Rulemaking in CC Docket Nos. 01-338, 96-98 and 98-147, adopted February 20, 2003 and released August 21, 2003 (FCC 03-36). Unbundled elements and commingling are not available in designated rural BRIGHTSPEED LOCAL OPERATING COMPANIES where a 251 (f) exemption is in effect.

Switched Access Feature Group's are ordered in either quantities of lines or 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.

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ACCESS SERVICE

6. Switched Access Service6.1 General (Cont'd)6.1.1 Service Arrangements

Switched Access is provided in conjunction with either of two types of access services, bundled Feature Groups or unbundled Lineside, Trunkside and Dedicated Network Access Link (DNAL) Basic Serving Arrangements (BSAs). BSAs, described in 6.2.5, 6.2.6, 6.2.7 and 6.2.8, 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 Alternative B (BSA-B), Basic Serving Arrangement Alternative C (BSA-C), and Basic Serving Arrangement Alternative 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 customer end office switching capacity ordered, while originating 500 Access Service, Toll Free Code (TFC) Access Service and 900 Access Service is arranged for originating calling only. Originating calling permits the delivery of calls from Telephone Exchange Service locations to the customer's premises. Terminating calling permits the delivery of calls from the customer's premises to Telephone Exchange Service locations. Two-way calling permits the delivery of calls in both directions, but not simultaneously.

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.

Switched Access ordering regulations are detailed in 5.1.

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6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.1 Service Arrangements (Cont'd)

Switched access feature groups and BSAs may be provided in conjunction with voice grade Special Access services in order to complete communications to and from the customer's location. A complete description of the Switched Access Interface Arrangement is set forth in 6.3.2(T).

6.1.2 Technical Specifications

There are three specific transmission specifications (i.e., Types A, B and C) that have been identified for the provision of Switched Access Arrangements. The specifications provided are dependent on the Interface Group associated with the Local Transport Entrance Facility and the routing of the service, i.e., whether the service is routed directly to the end office or via a Telephone Company access tandem. The parameters for the transmission specifications and descriptions of the Interface Groups are set forth in 9.

6.1.3 Optional Features

There are various nonchargeable optional features available with the Switched Access Feature Group Arrangements. These additional optional features are provided as Local Transport, Common Switching or Transport Termination options. Nonchargeable optional features for each Switched Access Arrangement are identified in 6.2.1, 6.2.2, 6.2.3, 6.2.4, 6.2.10, 6.2.11, 6.2.12 and 6.2.13.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements

Following are detailed descriptions of each of the available Feature Groups, 500 Access Service, TFC Access Service and 900 Access Service. Each is described in terms of its specific physical characteristics and calling patterns, the transmission specifications with which it is provided and the optional features available for use.

Optional features are described in 6.3. Additional regulations pertaining to the provision of these arrangements are set forth in 6.4.

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6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.1 Feature Group A (FGA)(A) Description

- (1) FGA is provided via a line side connection at Telephone Company electronic and electromechanical end office switches with an associated seven digit telephone number for the customer's use in originating communications to or terminating communications from an Interexchange Carrier's Interstate Service or a customer provided interstate communications capability. At the option of the customer, FGA is provided on a single or multiple line group basis and is arranged for originating calling only, terminating calling only, or two-way calling.
- (2) FGA provides a line side termination at the first point of switching. The line side termination will be provided with either ground start supervisory signaling or loop start supervisory signaling. The type of signaling is at the option of the customer.
- (3) The Telephone Company shall select the first point of switching, within the selected FGA Access Area, at which the line side connection is to be provided unless the customer requests a different first point of switching and Telephone Company facilities and measurement capabilities, where necessary, are available to accommodate such a request.
- (4) A seven digit local telephone number assigned by the Telephone Company is provided for access to FGA switching in the originating direction. The seven digit local telephone number will be associated with the selected end office switch and is of the form NXX-XXXX.

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6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.1 Feature Group A (FGA) (Cont'd)(A) Description (Cont'd)

(4) (Cont'd)

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

- (5) FGA switching, when used in the terminating direction, is arranged with dial tone start-dial signaling. When used in the terminating direction FGA switching may, at the option of the customer, be arranged for dial pulse or dual tone multifrequency address signaling, subject to availability of equipment at the first point of switching. When FGA switching is provided in a hunt group or uniform call distribution arrangement, all FGA switching will be arranged for the same type of address signaling.

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

- (7) FGA Switching, when used in the terminating direction, may be used to access the Telephone Company specified set of valid NXXs within the FGA Access Area.

For FGA, the Access Area is defined as the local exchange calling area of the end office switch from which the FGA service is provided as set forth in the Telephone Company's local or general exchange service tariff.

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6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.1 Feature Group A (FGA) (Cont'd)(A) Description (Cont'd)

(7) (Cont'd)

At the customer's option, Access is also provided for terminating FGA calls, established on a 1+ basis, to NXXs outside the FGA Access Area but remaining within the LATA. Switched Access Service rate elements will apply to such traffic as set forth in 6.5.9 following.

Terminating access is also provided to local operator service (0- and 0+), Directory Assistance (411 where available and 555-1212) emergency reporting service (911 where available), exchange telephone repair (611 where available), time or weather announcement services of the Telephone Company, community information services of an information service provider, and other customers' services (by dialing the appropriate digits).

Charges for FGA terminating calls requiring operator assistance or calls to 611 or 911 will only apply where sufficient call details are available. Additional non-access charges will also be billed on a separate account for (1) an operator surcharge, as set forth in the local exchange tariffs, for local operator assistance (0- and 0+) calls, (2) calls to certain community information services, for which rates are applicable under Telephone Company exchange service tariffs, e.g., 976 (DIAL-IT) Network Services, and (3) calls from a FGA line to another customer's service in accordance with that customer's applicable service rates when the Telephone Company performs the billing function for that customer.

For calls to Directory Assistance additional non access charges may also be billed at the applicable rates under the Telephone Company local exchange tariffs.

- (8) Feature Group A Switched Access Service is available with additional termination (i.e. extensions) of the service at different building(s) in the same or different local calling area. Application of rates for Feature Group A extension service is found in 6.5.8 following.

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6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.1 Feature Group A (FGA) (Cont'd)(A) Description (Cont'd)

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

(10) Message Unit Credit

Calls from end users to the seven digit local telephone numbers associated with Feature Group A Switched Access Service are subject to Telephone Company local and/or general exchange service tariff charges (including message unit and toll charges as applicable). The monthly bills rendered to customers for their Feature Group A Switched Access Service will include a credit to reflect any message unit charges billed to their end users under the Telephone Company's local and/or general exchange service tariffs. The credit will apply for recorded originating usage or for assumed originating usage, as appropriate for the FGA service provided. When the credit is applied on assumed usage, such credit will not exceed the assumed levels of usage set forth in 6.6 following. No credit will apply for any terminating FGA access minutes. The message unit credit for originating access minutes will be based on the generally applicable message unit charges of the Telephone Company. All applicable message unit credits will be developed on an exchange specific basis only.

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6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.1 Feature Group A (FGA) (Cont'd)(B) Optional Features(1) Common Switching Optional Features

- (a) Hunt Group Arrangement
- (b) Uniform Call Distribution Arrangement
- (c) Nonhunting Number for Use with Hunt Group Arrangement or Uniform Call Distribution Arrangement
- (d) Call Denial
- (e) Service Code Denial
- (f) Switched Access Interface

(2) Transport Termination Optional Features

- (a) Two-way operation with dial pulse address signaling and loop start supervisory signaling
- (b) Two-way operation with dial pulse address signaling and ground start supervisory signaling
- (c) Two-way operation with dual tone multifrequency address signaling and loop start supervisory signaling
- (d) Two-way operation with dual tone multifrequency address signaling and ground start supervisory signaling
- (e) Terminating operation with dial pulse address signaling and loop start supervisory signaling
- (f) Terminating operation with dial pulse address signaling and ground start supervisory signaling
- (g) Terminating operation with dual tone multifrequency address signaling and loop start supervisory signaling
- (h) Terminating operation with dual tone multifrequency address signaling and ground start supervisory signaling
- (i) Originating operation with loop start supervisory signaling
- (j) Originating operation with ground start supervisory signaling.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.1 Feature Group A (FGA) (Cont'd)(B) Optional Features (Cont'd)(3) Local Transport Optional Features

- (a) Supervisory Signaling
- (b) Customer Specified Entry Switch Receive Level

(4) Local Features

Certain other features which may be available in connection with Feature Group A are provided under the Telephone Company's local and/or general exchange service tariffs.

These are:

- (a) Speed Calling
- (b) Remote Call Forwarding
- (c) Bill Number Screening
- (d) intraLATA extensions

(C) Transmission Specifications

FGA is provided with either Type B or Type C Transmission Specifications. The specifications for the associated parameters are guaranteed to the first point of switching. Type C Transmission Specifications are provided with Interface Group 1 and Type B is provided with Interface Groups 2 through 10. Type DB Data Transmission Parameters are provided with FGA to the first point of switching. FGA Interface Groups and Codes are described further in 9 following. FGA Transmission specifications are described further in 9 following.

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6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.2 Feature Group B (FGB)(A) Description

- (1) FGB provides trunk side access to Telephone Company end office switches with an associated uniform access code for the customer's use in originating communications to and terminating communications from an Interexchange Carrier's Interstate Service or a customer - provided interstate communications capability. FGB is provided by the Telephone Company directly to appropriately equipped Telephone Company electronic end offices or via Telephone Company designated electronic access tandems which provides access to Telephone Company electronic and electromechanical end offices within that Telephone Company Access Tandem Network.
- (2) FGB 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 wink start start-pulsing signals and answer and disconnect supervisory signaling.
- (3) FGB switching is provided with multifrequency address signaling in both the originating and terminating directions. Except for FGB switching provided with automatic number identification (ANI) or rotary dial station signaling arrangements as set forth in 6.3, any other address signaling in the originating direction, if required by the customer, must be provided by the customer's end user using inband tone signaling techniques. Such inband tone address signals will not be regenerated by the Telephone Company and will be subject to the ordinary transmission capabilities of the Local Transport provided.
- (4) The access code for FGB switching is a uniform access code in the form of 950-XXXX or 1+950-XXXX for carriers. One uniform access code will be assigned to the customer for the customer's domestic communications and another will be assigned to the customer for its international communications, if required. These uniform access codes will be the assigned access numbers of all FGB switched access service provided to the customer by the Telephone Company.

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6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.2 Feature Group B (FGB) (Cont'd)(A) Description (Cont'd)

- (5) FGB switching, when used in the terminating direction, may be used to access valid NXXs in the FGB Access Area. When directly routed to an end office, the Access Area for FGB includes only those valid NXX codes served by that end office. When routed through a Telephone Company access tandem the Access Area for FGB service includes only those valid NXX codes served by end offices subtending that Telephone Company access tandem.

Access is also available to time or weather announcement services of the Telephone Company, community information services of an information service provider and other customers' services (by dialing the appropriate digits).

The customer will also be billed additional non-access charges for calls to certain community information services for which rates are applicable under Telephone Company exchange service tariffs, e.g., 976 (DIAL-IT) Network Service. Additionally, non-access charges will also be billed for calls from a FGB trunk to another customer's service in accordance with that customer's applicable service rates when the Telephone Company performs the billing function for that customer.

Calls in the terminating direction will not be completed to 950-XXXX or 1 + 950-XXXX access codes, local operator assistance (0- and 0+), Directory Assistance (411 and 555-1212), service codes 611 and 911 or 101XXXX access codes. FGB may not be switched, in the terminating direction, to Switched Access Service Feature Groups B, C and D.

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6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.2 Feature Group B (FGB) (Cont'd)(A) Description (Cont'd)

- (6) The Telephone Company will establish a trunk group or groups for the customer at end offices or Telephone Company access tandems where FGB is provided. When required by technical limitations, a separate trunk group will be established for each type of FGB arrangement provided. Different types of FGB or other switching arrangements may be combined in a single trunk group at the option of the Telephone Company.
- (7) When all FGB is discontinued at an end office and/or in a Access Area, an intercept announcement is provided. This arrangement provides, for a limited period of time, an announcement that the service associated with the number dialed has been disconnected.

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6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.2 Feature Group B (FGB) (Cont'd)(B) Optional Features(1) Common Switching Optional Features

- (a) Automatic Number Identification (ANI)
- (b) Up to Seven Digit Outpulsing of Access Digits to Customer
- (c) Switched Access Interface

(2) Transport Termination Optional Features

- (a) Rotary Dial Station Signaling

(3) Local Transport Optional Features

- (a) Customer Specification of Local Transport Termination
- (b) Supervisory Signaling
- (c) Customer Specified Entry Switch Receive Level

(4) Local Features

Another feature, Bill Number Screening, which may be available in connection with FGB, is provided under the Telephone Company's local and/or general exchange service tariffs.

(C) Transmission Specifications

FGB is provided with either Type B or Type C Transmission Specifications. The specifications for the associated parameters are guaranteed to the end office when routed directly or to the first point of switching when routed via a Telephone Company access tandem. Type C Transmission Specifications are provided with Interface Group 1 and Type B is provided with Interface Groups 2 through 10. Type DB Data Transmission Parameters are provided with FGB to the first point of switching.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.3 Feature Group C (FGC)(A) Description

- (1) FGC, available to AT&T only, is provided at all Telephone Company end offices on a direct trunk basis or via Telephone Company designated access tandems for AT&T's use in originating and terminating communications. FGC is provided to AT&T at an end office unless Feature Group D is provided in the same end office. When FGD is available, FGC will not be provided.
- (2) FGC is provided as trunk side switching through the use of end offices or Telephone Company access tandems. The switch trunk equipment is provided with answer and disconnect supervisory signaling. Wink start start-pulsing signals are provided in all offices where available. In those offices where wink start start-pulsing signals are not available, delay dial start-pulsing signals will be provided, unless immediate dial pulse signaling is provided, in which case no start-pulsing signals are provided.
- (3) FGC is provided with multifrequency address signaling except in certain electromechanical end offices where multifrequency signaling is not available. In such end offices, the address signaling will be dial pulse, revertive pulse, immediate dial pulse or panel call indicator signaling, whichever is available. Up to 12 digits of the called party number dialed by the customer's end user using dual tone multifrequency or dial pulse address signals will be provided by Telephone Company equipment to the customer's premises where the Switched Access Service terminates. Such called party number signals will be subject to the ordinary transmission capabilities of the Local Transport provided.

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6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.3 Feature Group C (FGC) (Cont'd)(A) Description (Cont'd)

- (4) No access code is required for FGC. The telephone number dialed by the customer's end user shall be a seven or ten digit number for calls in the North American Numbering Plan (NANP). For international calls outside the NANP, a seven to twelve digit number may be dialed. The form of the numbers dialed by the customer's end user is NXX-XXXX, 0 or 1+ NXX-XXXX, NPA + NXX-XXXX, 0 or 1 + NPA + NXX-XXXX, and, when the end office is equipped for International Direct Distance Dialing (IDDD), 01 + CC + NN or 011 + CC + NN.
- (5) FGC when used in the terminating direction, may be used to access valid NXXs in the FGC Access Area. When directly routed to an end office the FGC Access Area includes only those valid NXX codes served by that office. When routed through a Telephone Company access tandem, the FGC Access Area includes only those valid NXX codes served by offices subtending that Telephone Company access tandem.

Access is also available to time or weather announcement services of the Telephone Company, community information services of an information provider, and other customers' services (by dialing the appropriate codes) when the services can be reached using valid NXX codes.

Where measurement capabilities exist, the customer will also be billed additional non-access charges for calls to certain community information services, for which rates are applicable under Telephone Company exchange service tariffs, e.g., 976 (DIAL-IT) Network Services. Additionally, non-access charges will also be billed for calls from a FGC trunk to another customer's service in accordance with that customer's applicable service rates when the Telephone Company performs the billing function for that customer. Calls in the terminating direction will not be completed to 950-XXXX or 1+950-XXXX access codes, local operator assistance (0- and 0+), Directory Assistance service codes 611 and 911, and 101XXXX access codes. FGC may not be switched, in the terminating direction, to Switched Access Service Feature Groups B, C or D.

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6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.3 Feature Group C (FGC) (Cont'd)(A) Description (Cont'd)

- (6) The Telephone Company will establish a trunk group or groups for the customer at end offices or Telephone Company access tandem where FGC is provided. When required by technical limitations, a separate trunk group will be established for each type of FGC provided. Different types of FGC or other switching arrangements may be combined in a single trunk group at the option of the Telephone Company.
- (7) Inward Operator Assistance Services (Operator Assistance) may be provided with FGC Switched Access Service at Telephone Company designated Operator Service switching locations. Operator Services are provided as set forth in National Exchange Carrier Association Tariff #4.

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6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.3 Feature Group C (FGC) (Cont'd)(B) Optional Features(1) Common Switching Optional Features

- (a) Automatic Number Identification (ANI)
- (b) Service Class Routing
- (c) Dial Pulse Address Signaling
- (d) Revertive Pulse Address Signaling
- (e) Delay Dial Start-Pulsing Signaling
- (f) Immediate Dial Pulse Address Signaling
- (g) Panel Call Indicator Address Signaling
- (h) Alternate Traffic Routing
- (i) Trunk Access Limitation
- (j) Switched Access Interface

(2) Transport Termination Optional Features

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

(3) Local Transport Optional Features

Supervisory Signaling as set forth in 6.3.1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.3 Feature Group C (FGC) (Cont'd)(C) Transmission Specifications

FGC is provided with either Type B or Type C Transmission Specifications as follows:

- When routed directly to the end office either Type B or Type C is provided.
- When routed to a Telephone Company access tandem only Type B is provided.
- Type B or Type C is provided on the transmission path from the Telephone Company access tandem to the end office.

Type C Transmission Specifications are provided with Interface Group 1 when routed directly to an end office. Type B is provided with Interface Groups 2 through 10, whether routed directly to an end office or to a Telephone Company access tandem.

Type DB Data Transmission Parameters are provided with FGC for the transmission path between the customer's premises and the end office when directly routed to the end office, and Type DB Data Transmission Parameters are provided for the transmission path between the customer's premises and the Telephone Company access tandem and between the Telephone Company access tandem and the end office when routed via a Telephone Company access tandem.

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6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.4 Feature Group D (FGD)(A) Description

- (1) FGD is provided at Telephone Company designated end offices whether routed directly or via Telephone Company designated access tandems. The Telephone Company will designate the First Point(s) of Switching for FGD services where the Telephone Company elects to aggregate traffic at a central location. Those Telephone Companies providing FGD in a centralized Telephone Company equal access tandem arrangement are listed in 15.2.
- (2) FGD 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 wink start start-pulsing signals and answer and disconnect supervisory signaling except for FGD provided with SS7 Out of Band Signaling.
- (3) FGD is provided with multifrequency address signaling or SS7 Out of Band Signaling. FGD with SS7 Out of Band Signaling is provided at suitably equipped Telephone Company end offices or Telephone Company access tandems. Up to 12 digits of the called party number dialed by the customer's end user using dual tone multifrequency or dial pulse address signals will be provided by Telephone Company equipment to the customer's premises where the Switched Access Service terminates. Such address signals will be subject to the ordinary transmission capabilities of the Local Transport provided.
- (4) FGD, when used in the terminating direction, may be used to access valid NXXs in the FGD Access Area. When directly routed to an end office the FGD Access Area includes only those valid NXX codes served by that office. When routed through a Telephone Company access tandem the FGD Access Area includes only those valid NXX codes served by equal access end offices in the Telephone Company access tandem network.

Access is also available to time or weather announcement services of the Telephone Company, community information service of an information service provider, and other customers' services (by dialing the appropriate codes) when such services can be reached using valid NXX codes.

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6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.4 Feature Group D (FGD) (Cont'd)(A) Description (Cont'd)

- (5) The Telephone Company will establish a trunk group or groups for the customer at the First Point(s) of Switching where FGD is provided. When required by technical limitations, a separate trunk group will be established for each type of FGD arrangement provided. Different types of FGD or other switching arrangements may be combined in a single trunk group at the option of the Telephone Company.
- (6) No access code is required for calls to a customer over FGD Switched Access Service if the end user's telephone exchange service is arranged for presubscription to that customer, as set forth in 8.5. Where no access code is required, the number dialed by the customer's end user shall be a seven or ten digit number for calls in the North American Numbering Plan (NANP). For international calls outside the NANP, a seven to twelve digit number may be dialed. The form of the number dialed by the customer's end user is NXX-XXXX, 0 or 1 + NXX-XXXX, NPA + NXX-XXXX, 0 or 1 + NPA + NXX-XXXX, and, when the end office is equipped for International Direct Distance Dialing (IDDD), 01 + CC + NN or 011 + CC + NN.

The access code for FGD is a uniform access code of the form 101XXXX. Technical limitations in certain end offices subtending a centralized Telephone Company equal access tandem will preclude the availability of a 101XXXX access code. These offices are identified in the National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4. A single access code will be the assigned number of all FGD access provided to the customer by the Telephone Company.

When the 101XXXX access code is used, FGD also provides for dialing the digit 0 for access to the customer's operator, 911 for access to the Telephone Company's emergency reporting service, or the end-of-dialing digit for cut-through access to the customer's premises. FGD 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 set forth in 8.5.

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 6.3.2(AB), 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.

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6. Switched Access Service (Cont'd)

6.2 Switched Access Service Arrangements (Cont'd)

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

(A) Description (Cont'd)

- (7) Inward Operator Assistance Services (Operator Assistance) may be provided with FGD Switched Access Service at Telephone Company designated Operator Service switching locations. Operator Services are provided as set forth in National Exchange Carrier Association Tariff #4.

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6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.4 Feature Group D (FGD) (Cont'd)(B) Optional Features(1) Common Switching Optional Features

- (a) Automatic Number Identification (ANI)
- (b) Service Class Routing
- (c) Alternate Traffic Routing
- (d) Call Gapping Arrangement
- (e) Trunk Access Limitation
- (f) International Carrier Option
- (g) Non-Overlap Outpulsing
- (h) Cut-Through
- (i) Switched Access Interface
- (j) Switched Data Service
- (k) SS7 Out of Band Signaling
- (l) Tandem Switch Signaling
- (m) FGD With 950 Access

(2) Transport Termination Optional Features

- (a) Operator Trunk, Full Feature Arrangement

(3) Local Transport Optional Features

- (a) Supervisory Signaling as set forth in 6.3.1.

(C) Transmission Specifications

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

- When routed directly to the end office either Type B or C is provided.
- When routed to a Telephone Company access tandem only Type A is provided.
- Type A is provided on the transmission path from the Telephone Company access tandem to the end office.

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

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6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.4 Feature Group D (FGD) (Cont'd)(C) Transmission Specifications (Cont'd)

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

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6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.5 Basic Serving Arrangement A (BSA-A)(A) Description

- (1) BSA-A is provided via a line side connection at Telephone Company electronic and electromechanical end office switches with an associated seven digit telephone number for the customer's use in originating communications to or terminating communications from an Interexchange Carrier's Interstate Service or a customer provided interstate communications capability. At the option of the customer, BSA-A is provided on a single or multiple line group basis and is arranged for originating calling only, terminating calling only, or two-way calling.
- (2) BSA-A provides a line side termination at the first point of switching. The line side termination will be provided with either ground start supervisory signaling or loop start supervisory signaling. The type of signaling is at the option of the customer. BSA-A may also be provided with certain Basic Service Elements (BSEs) as shown in 6.2.14.
- (3) The Telephone Company shall select the first point of switching, within the selected BSA-A Access Area, at which the line side connection is to be provided unless the customer requests a different first point of switching and Telephone Company facilities and measurement capabilities, where necessary, are available to accommodate such a request.
- (4) A seven digit local telephone number assigned by the Telephone Company is provided for access to BSA-A switching in the originating direction. The seven digit local telephone number will be associated with the selected end office switch and is of the form NXX-XXXX.

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6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.5 Basic Serving Arrangement A (BSA-A) (Cont'd)(A) Description (Cont'd)

(4) (Cont'd)

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

- (5) BSA-A, when used in the terminating direction, is arranged with dial tone start-dial signaling. When used in the terminating direction BSA-A may, at the option of the customer, be arranged for dial pulse or dual tone multifrequency address signaling, subject to availability of equipment at the first point of switching. When BSA-A is provided in a Hunt Group or Uniform Call Distribution Arrangement as discussed in 6.2.14, all BSA-A will be arranged for the same type of address signaling.

- (6) 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 customer's end user using inband tone signaling techniques. Such inband tone address signals will not be regenerated by the Telephone Company and will be subject to the ordinary transmission capabilities of the Local Transport provided.

- (7) BSA-A when used in the terminating direction, may be used to access the Telephone Company specified set of valid NXXs within the BSA-A Access Area.

For BSA-A, the Access Area is defined as the local exchange calling area of the end office switch from which the BSA-A service is provided as set forth in the Telephone Company's local or general exchange service tariff.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.5 Basic Serving Arrangement A (BSA-A) (Cont'd)(A) Description (Cont'd)

(7) (Cont'd)

At the customer's option, Access is also provided for terminating BSA-A calls, established on a 1+ basis, to NXXs outside the BSA-A Access Area but remaining within the LATA. Switched Access Service rate elements will apply to such traffic as set forth in 6.5.9 following.

Terminating access is also provided to local operator service (0- and 0+), Directory Assistance (411 where available and 555-1212) emergency reporting service (911 where available), exchange telephone repair (611 where available), time or weather announcement services of the Telephone Company, community information services of an information service provider, and other customers' services (by dialing the appropriate digits).

Charges for BSA-A terminating calls requiring operator assistance or calls to 611 or 911 will only apply where sufficient call details are available. Additional non-access charges will also be billed on a separate account for (1) an operator surcharge, as set forth in the local exchange tariffs, for local operator assistance (0- and 0+) calls, (2) calls to certain community information services, for which rates are applicable under Telephone Company exchange service tariffs, e.g., 976 (DIAL-IT) Network Services, and (3) calls from a FGA line to another customer's service in accordance with that customer's applicable service rates when the Telephone Company performs the billing function for that customer.

For calls to Directory Assistance additional non access charges may also be billed at the applicable rates under the Telephone Company local exchange tariffs.

- (8) BSA-A Switched Access Service is available with additional termination (i.e. extensions) of the service at different building(s) in the same or different local calling area. Application of rates for BSA-A extension service is found in 6.5.8 following.

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6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.5 Basic Serving Arrangement A (BSA-A) (Cont'd)(A) Description (Cont'd)

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

(10) Message Unit Credit

Calls from end users to the seven digit local telephone numbers associated with BSA-A Switched Access Service are subject to Telephone Company local and/or general exchange service tariff charges (including message unit and toll charges as applicable). The monthly bills rendered to customers for their BSA-A Switched Access Service will include a credit to reflect any message unit charges billed to their end users under the Telephone Company's local and/or general exchange service tariffs. The credit will apply for recorded originating usage or for assumed originating usage, as appropriate for the BSA-A service provided. When the credit is applied on assumed usage, such credit will not exceed the assumed levels of usage set forth in 6.6 following. No credit will apply for any terminating BSA-A access minutes. The message unit credit for originating access minutes will be based on the generally applicable message unit charges of the Telephone Company. All applicable message unit credits will be developed on an exchange specific basis only.

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6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.5 Basic Serving Arrangement A (BSA-A) (Cont'd)(B) Optional Features(1) Common Switching Optional Features

- (a) Call Denial
- (b) Service Code Denial
- (c) Switched Access Interface

(2) Transport Termination Optional Features

- (a) Two-way operation with dial pulse address signaling and loop start supervisory signaling
- (b) Two-way operation with dial pulse address signaling and ground start supervisory signaling
- (c) Two-way operation with dual tone multifrequency address signaling and loop start supervisory signaling
- (d) Two-way operation with dual tone multifrequency address signaling and ground start supervisory signaling
- (e) Terminating operation with dial pulse address signaling and loop start supervisory signaling
- (f) Terminating operation with dial pulse address signaling and ground start supervisory signaling
- (g) Terminating operation with dual tone multifrequency address signaling and loop start supervisory signaling
- (h) Terminating operation with dual tone multifrequency address signaling and ground start supervisory signaling
- (i) Originating operation with loop start supervisory signaling
- (j) Originating operation with ground start supervisory signaling.

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6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.5 Basic Serving Arrangement A (BSA-A) (Cont'd)(B) Optional Features (Cont'd)(3) Local Transport Optional Features

- (a) Supervisory Signaling
- (b) Customer Specified Entry Switch Receive Level

(4) Local Features

Certain other features which may be available in connection with BSA-A are provided under the Telephone Company's local and/or general exchange service tariffs.

These are:

- (a) Speed Calling
- (b) Remote Call Forwarding
- (c) Bill Number Screening
- (d) intraLATA extensions

(C) Transmission Specifications

BSA-A is provided with either Type B or Type C Transmission Specifications. The specifications for the associated parameters are guaranteed to the first point of switching. Type C Transmission Specifications are provided with Interface Group 1 and Type B is provided with Interface Groups 2 through 10. Type DB Data Transmission Parameters are provided with BSA-A to the first point of switching. BSA-A Interface Groups and Codes are described further in 9 following. BSA-A Transmission specifications are described further in 9 following.

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6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.6 Basic Serving Arrangement B (BSA-B)(A) Description

- (1) BSA-B provides trunk side access to Telephone Company end office switches with an associated uniform access code for the customer's use in originating communications to and terminating communications from an Interexchange Carrier's Interstate Service or a customer - provided interstate communications capability. BSA-B is provided by the Telephone Company directly to appropriately equipped Telephone Company electronic end offices or via Telephone Company designated electronic access tandems which provides access to Telephone Company electronic and electromechanical end offices within that Telephone Company Access Tandem Network.
- (2) BSA-B 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 wink start start-pulsing signals and answer and disconnect supervisory signaling. BSA-B may also be provided with certain Basic Service Elements (BSEs) as shown in 6.2.14.
- (3) BSA-B switching is provided with multifrequency address signaling in both the originating and terminating directions. If the customer orders and Automatic Number Identification (ANI) Arrangement, as shown in 6.2.14, or rotary dial station signaling arrangements as set forth in 6.3, any other address signaling in the originating direction, if required by the customer, must be provided by the customer's end user using inband tone signaling techniques. Such inband tone address signals will not be regenerated by the Telephone Company and will be subject to the ordinary transmission capabilities of the Local Transport provided.
- (4) The access code for BSA-B switching is a uniform access code in the form of 950-XXXX or 1+950-XXXX for carriers. One uniform access code will be assigned to the customer for the customer's domestic communications and another will be assigned to the customer for its international communications, if required. These uniform access codes will be the assigned access numbers of all BSA-B switched access service provided to the customer by the Telephone Company.

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6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.6 Basic Serving Arrangement B (BSA-B) (Cont'd)(A) Description (Cont'd)

- (5) BSA-B switching, when used in the terminating direction, may be used to access valid NXXs in the BSA-B Access Area. When directly routed to an end office, the Access Area for BSA-B includes only those valid NXX codes served by that end office. When routed through a Telephone Company access tandem the Access Area for BSA-B service includes only those valid NXX codes served by end offices subtending that Telephone Company access tandem.

Access is also available to time or weather announcement services of the Telephone Company, community information services of an information service provider and other customers' services (by dialing the appropriate digits).

The customer will also be billed additional non-access charges for calls to certain community information services for which rates are applicable under Telephone Company exchange service tariffs, e.g., 976 (DIAL-IT) Network Service. Additionally, non-access charges will also be billed for calls from a BSA-B trunk to another customer's service in accordance with that customer's applicable service rates when the Telephone Company performs the billing function for that customer.

Calls in the terminating direction will not be completed to 950-XXXX or 1 + 950-XXXX access codes, local operator assistance (0- and 0+), Directory Assistance (411 and 555-1212), service codes 611 and 911 or 101XXXX access codes. BSA-B may not be switched, in the terminating direction, to Switched Access Basic Serving Arrangements BSA-B, BSA-C and BSA-D.

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6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.6 Basic Serving Arrangement B (BSA-B) (Cont'd)(A) Description (Cont'd)

- (6) The Telephone Company will establish a trunk group or groups for the customer at end offices or Telephone Company access tandems where BSA-B is provided. When required by technical limitations, a separate trunk group will be established for each type of BSA-B arrangement provided. Different types of BSA-B or other switching arrangements may be combined in a single trunk group at the option of the Telephone Company.
- (7) When all BSA-B is discontinued at an end office and/or in a Access Area, an intercept announcement is provided. This arrangement provides, for a limited period of time, an announcement that the service associated with the number dialed has been disconnected.

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6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.6 Basic Serving Arrangement B (BSA-B) (Cont'd)(B) Optional Features(1) Common Switching Optional Features

- (a) Up to Seven Digit Outpulsing of Access Digits to Customer
- (b) Switched Access Interface

(2) Transport Termination Optional Features

- (a) Rotary Dial Station Signaling

(3) Local Transport Optional Features

- (a) Customer Specification of Local Transport Termination
- (b) Supervisory Signaling
- (c) Customer Specified Entry Switch Receive Level

(4) Local Features

Another feature, Bill Number Screening, which may be available in connection with BSA-B, is provided under the Telephone Company's local and/or general exchange service tariffs.

(C) Transmission Specifications

BSA-B is provided with either Type B or Type C Transmission Specifications. The specifications for the associated parameters are guaranteed to the end office when routed directly or to the first point of switching when routed via a Telephone Company access tandem. Type C Transmission Specifications are provided with Interface Group 1 and Type B is provided with Interface Groups 2 through 10. Type DB Data Transmission Parameters are provided with FGB to the first point of switching.

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6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.7 Basic Serving Arrangement C (BSA-C)(A) Description

- (1) BSA-C, available to AT&T only, is provided at all Telephone Company end offices on a direct trunk basis or via Telephone Company designated access tandems for AT&T's use in originating and terminating communications. BSA-C is provided to AT&T at an end office unless BSA-D is provided in the same end office. When BSA-D is available, BSA-C will not be provided.
- (2) BSA-C is provided as trunk side switching through the use of end offices or Telephone Company access tandems. The switch trunk equipment is provided with answer and disconnect supervisory signaling. Wink start start-pulsing signals are provided in all offices where available. In those offices where wink start start-pulsing signals are not available, delay dial start-pulsing signals will be provided, unless immediate dial pulse signaling is provided, in which case no start-pulsing signals are provided. BSA-C may also be provided with certain Basic Service elements (BSEs) as shown in 6.2.14.
- (3) BSA-C is provided with multifrequency address signaling except in certain electromechanical end offices where multifrequency signaling is not available. In such end offices, the address signaling will be dial pulse, revertive pulse, immediate dial pulse or panel call indicator signaling, whichever is available. Up to 12 digits of the called party number dialed by the customer's end user using dual tone multifrequency or dial pulse address signals will be provided by Telephone Company equipment to the customer's premises where the Switched Access Service terminates. Such called party number signals will be subject to the ordinary transmission capabilities of the Local Transport provided.

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6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.7 Basic Serving Arrangement C (BSA-C) (Cont'd)(A) Description (Cont'd)

- (4) No access code is required for BSA-C. The telephone number dialed by the customer's end user shall be a seven or ten digit number for calls in the North American Numbering Plan (NANP). For international calls outside the NANP, a seven to twelve digit number may be dialed. The form of the numbers dialed by the customer's end user is NXX-XXXX, 0 or 1+ NXX-XXXX, NPA + NXX-XXXX, 0 or 1 + NPA + NXX-XXXX, and, when the end office is equipped for International Direct Distance Dialing (IDDD), 01 + CC + NN or 011 + CC + NN.
- (5) BSA-C when used in the terminating direction, may be used to access valid NXXs in the BSA-C Access Area. When directly routed to an end office the BSA-C Access Area includes only those valid NXX codes served by that office. When routed through a Telephone Company access tandem, the BSA-C Access Area includes only those valid NXX codes served by offices subtending that Telephone Company access tandem.

Access is also available to time or weather announcement services of the Telephone Company, community information services of an information provider, and other customers' services (by dialing the appropriate codes) when the services can be reached using valid NXX codes.

Where measurement capabilities exist, the customer will also be billed additional non-access charges for calls to certain community information services, for which rates are applicable under Telephone Company exchange service tariffs, e.g., 976 (DIAL-IT) Network Services. Additionally, non-access charges will also be billed for calls from a BSA-C trunk to another customer's service in accordance with that customer's applicable service rates when the Telephone Company performs the billing function for that customer. Calls in the terminating direction will not be completed to 950-XXXX or 1+950-XXXX access codes, local operator assistance (0- and 0+), Directory Assistance service codes 611 and 911, and 101XXXX access codes. BSA-C may not be switched, in the terminating direction, to Switched Access Basic Serving Arrangements BSA-B, BSA-C or BSA-D.

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6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.7 Basic Serving Arrangement C (BSA-C) (Cont'd)(A) Description (Cont'd)

- (6) The Telephone Company will establish a trunk group or groups for the customer at end offices or Telephone Company access tandem where BSA-C is provided. When required by technical limitations, a separate trunk group will be established for each type of BSA-C provided. Different types of BSA-C or other switching arrangements may be combined in a single trunk group at the option of the Telephone Company.
- (7) Operator Transfer Service (forwarding of 0- calls) and Inward Operator Assistance Services (Operator Assistance) may be provided with BSA-C Switched Access Service at Telephone Company designated Operator Service switching locations. Operator Services are provided as set forth in Section 16.

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6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.7 Basic Serving Arrangement C (BSA-C) (Cont'd)(B) Optional Features(1) Common Switching Optional Features

- (a) Service Class Routing
- (b) Dial Pulse Address Signaling
- (c) Revertive Pulse Address Signaling
- (d) Delay Dial Start-Pulsing Signaling
- (e) Immediate Dial Pulse Address Signaling
- (f) Panel Call Indicator Address Signaling
- (g) Trunk Access Limitation
- (h) Switched Access Interface

(2) Transport Termination Optional Features

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

(3) Local Transport Optional Features

Supervisory Signaling [as set forth in 6.3.1(A)].

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6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.7 Basic Serving Arrangement C (BSA-C) (Cont'd)(C) Transmission Specifications

BSA-C is provided with either Type B or Type C Transmission Specifications as follows:

- When routed directly to the end office either Type B or Type C is provided.
- When routed to a Telephone Company access tandem only Type B is provided.
- Type B or Type C is provided on the transmission path from the Telephone Company access tandem to the end office.

Type C Transmission Specifications are provided with Interface Group 1 when routed directly to an end office. Type B is provided with Interface Groups 2 through 10, whether routed directly to an end office or to a Telephone Company access tandem.

Type DB Data Transmission Parameters are provided with BSA-C for the transmission path between the customer's premises and the end office when directly routed to the end office, and Type DB Data Transmission Parameters are provided for the transmission path between the customer's premises and the Telephone Company access tandem and between the Telephone Company access tandem and the end office when routed via a Telephone Company access tandem.

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6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.8 Basic Serving Arrangement D (BSA-D)(A) Description

- (1) BSA-D is provided at Telephone Company designated end offices whether routed directly or via Telephone Company designated access tandems. The Telephone Company will designate the First Point(s) of Switching for BSA-D services where the Telephone Company elects to aggregate traffic at a central location. Those Telephone Companies providing BSA-D in a centralized Telephone Company equal access tandem arrangement are listed in 15.2.
- (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 wink start start-pulsing signals and answer and disconnect supervisory signaling except for BSA-D provided with SS7 Out of Band Signaling. BSA-D may also be provided with certain Basic Service Elements (BSEs) as shown in 6.2.14.
- (3) BSA-D is provided with multifrequency address signaling or SS7 Out of Band Signaling. BSA-D with SS7 Out of Band Signaling is provided at suitably equipped Telephone Company end offices or Telephone Company access tandems. Up to 12 digits of the called party number dialed by the customer's end user using dual tone multifrequency or dial pulse address signals will be provided by Telephone Company equipment to the customer's premises where the Switched Access Service terminates. Such address signals will be subject to the ordinary transmission capabilities of the Local Transport provided.
- (4) BSA-D, when used in the terminating direction, may be used to access valid NXXs in the BSA-D Access Area. When directly routed to an end office the BSA-D Access Area includes only those valid NXX codes served by that office. When routed through a Telephone Company access tandem the BSA-D Access Area includes only those valid NXX codes served by equal access end offices in the Telephone Company access tandem network.

Access is also available to time or weather announcement services of the Telephone Company, community information service of an information service provider, and other customers' services (by dialing the appropriate codes) when such services can be reached using valid NXX codes.

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6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.8 Basic Serving Arrangement D (BSA-D) (Cont'd)(A) Description (Cont'd)

- (5) The Telephone Company will establish a trunk group or groups for the customer at the First Point(s) of Switching where BSA-D is provided. When required by technical limitations, a separate trunk group will be established for each type of BSA-D arrangement provided. Different types of BSA-D or other switching arrangements may be combined in a single trunk group at the option of the Telephone Company.
- (6) No access code is required for calls to a customer over BSA-D Switched Access Service if the end user's telephone exchange service is arranged for presubscription to that customer, as set forth in 8.5. Where no access code is required, the number dialed by the customer's end user shall be a seven or ten digit number for calls in the North American Numbering Plan (NANP). For international calls outside the NANP, a seven to twelve digit number may be dialed. The form of the number dialed by the customer's end user is NXX-XXXX, 0 or 1 + NXX-XXXX, NPA + NXX-XXXX, 0 or 1 + NPA + NXX-XXXX, and, when the end office is equipped for International Direct Distance Dialing (IDDD), 01 + CC + NN or 011 + CC + NN.

The access code for BSA-D is a uniform access code of the form 101XXXX. Technical limitations in certain end offices subtending a centralized Telephone Company equal access tandem will preclude the availability of a 101XXXX access code. These offices are identified in the National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4. A single access code will be the assigned number of all BSA-D access provided to the customer by the Telephone Company.

When the 101XXXX access code is used, BSA-D also provides for dialing the digit 0 for access to the customer's operator, 911 for access to the Telephone Company's emergency reporting service, or the end-of-dialing digit for cut-through access to the customer's premises. BSA-D 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 set forth in 8.5.

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 Service with 950-XXXX Access as described in 6.3.2(AB), 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 BSA-D switched access calls.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Switched Access Service Arrangements (Cont'd)

6.2.8 Basic Serving Arrangement D (BSA-D) (Cont'd)

(A) Description (Cont'd)

- (7) Operator Transfer Service (forwarding of 0- calls) and Inward Operator Assistance Services (Operator Assistance) may be provided with BSA-D Switched Access Service at Telephone Company designated Operator Service switching locations. Operator Services are provided as set forth in Section 16 following.

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6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.8 Basic Serving Arrangement D (BSA-D) (Cont'd)(B) Optional Features(1) Common Switching Optional Features

- (a) Service Class Routing
- (b) Call Gapping Arrangement
- (c) Trunk Access Limitation
- (d) International Carrier Option
- (e) Non-Overlap Outpulsing
- (f) Cut-Through
- (g) Switched Access Interface
- (h) Switched Data Service
- (i) SS7 Out of Band Signaling
- (j) Tandem Switch Signaling
- (k) BSA-D With 950 Access

(2) Transport Termination Optional Features

- (a) Operator Trunk, Full Feature Arrangement

(3) Local Transport Optional Features

- (a) Supervisory Signaling [as set forth in 6.3.1.

(C) Transmission Specifications

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

- When routed directly to the end office either Type B or C is provided.
- When routed to a Telephone Company access tandem only Type A is provided.
- Type A is provided on the transmission path from the Telephone Company access tandem to the end office.

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

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.8 Basic Serving Arrangement D (BSA-D) (Cont'd)(C) Transmission Specifications (Cont'd)

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

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6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.9 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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ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.10 TFC Access Service(A) Description

- (1) TFC Access Service provides for the forwarding of end user dialed TFC calls to a customer via a Telephone Company designated switch capable of performing a customer identification function. The TFC Access Service customer identification function utilizes TFC Data Base Query Service, as described in 6.2.10(D), to screen all ten digits of all TFC type calls generated by end users to determine the customer to which the TFC call is routed by the Telephone Company.

The TFC Access Service customer identification function will be available at suitably equipped end offices or Telephone Company access tandems. Once customer identification has been established, the call will be routed to the customer. TFC Access Service may be provided via TFC Access Service switched trunk groups or in conjunction with a customer's FGC or FGD Switched Access Service. TFC Access Service may also be provided in conjunction with BSA-C and BSA-D as shown in 6.2.7 and 6.2.8.

- (2) TFC Access Service is an originating trunk side switched service that is available to the customer via TFC Access Service trunk(s) at Telephone Company designated switches capable of performing the TFC Access Service customer identification function. If the customer's TFC Access traffic originates from an end office switch not equipped to perform the TFC Access Service customer identification function, the call will be routed to the nearest office at which the function is available. Once customer identification has been established, the call will be routed to the customer.

Unless prohibited by technical limitations, the customer's TFC Access Service traffic may, at the option of the customer, be combined in the same trunk group arrangement with the customer's FGC, FGD, BSA-C or BSA-D Access Service traffic. When required by technical limitations a separate trunk group must be established for TFC Access Service.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.10 TFC Access Service (Cont'd)(A) Description (Cont'd)

- (3) TFC Access Service is provided as trunk side switching through the use of end offices or Telephone Company access tandems. TFC Access Service originating from equal access end offices with the TFC Access Service customer identification function will be provided using Feature Group D signaling as set forth in 6.2.4 (A)(2) and (3) or BSA-D signaling as set forth in 6.2.8(A)(2) and (3). When Feature Group D signaling is provided, ANI will be provided in the same manner in which ANI is provided for Feature Group D as set forth in 6.3.2 (F). When BSA-D signaling is provided, at the option of the customer, ANI may be provided as set forth in 6.2.14.

TFC Access Service originating from end offices not having equal access capabilities will be provided using Feature Group C signaling as set forth in 6.2.3 (A)(2) and (3) or BSA-C signaling as set forth in 6.2.7(A)(2) and (3). When Feature Group C signaling is provided, ANI will be provided in the same manner in which ANI is provided for Feature Group C as set forth in 6.3.2 (F). When BSA-C signaling is provided, at the option of the customer, ANI may be provided as set forth in 6.2.14.

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6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.10 TFC Access Service (Cont'd)(B) Optional Features(1) Common Switching Optional Features

- (a) Automatic Number Identification (ANI)
- (b) Dial Pulse Address Signaling
- (c) Revertive Pulse Address Signaling
- (d) Delay Dial Start-Pulsing Signaling
- (e) Immediate Dial Pulse Address Signaling
- (f) Panel Call Indicator Address Signaling
- (g) Alternate Traffic Routing
- (h) SS7 Out of Band Signaling

(2) Local Transport Optional Features

- (a) Supervisory Signaling

(C) Transmission Specifications(1) Reserved for Future Use

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.10 TFC Access Service (Cont'd)(C) Transmission Specifications (Cont'd)(2) Equal Access End Offices

In equal office end offices, TFC Access Service is provided with either Type A, Type B or Type C Transmission Specifications as follows:

- When routed directly to the end office either Type B or C is provided.
- When routed to a Telephone Company access tandem only Type A is provided.
- Type A is provided on the transmission path from the Telephone Company access tandem to the end office.

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

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

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6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.10 TFC Access Service (Cont'd)(D) TFC Data Base Query Service (Cont'd)

The TFC 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 TFC Data Base Query Service appear in 6.5.3(C) and 6.6.

6.2.11 900 Access Service(A) Description

- (1) 900 Access Service is an originating trunk side service that provides for the forwarding of end user dialed 900-NXX-XXXX calls to a customer via a Telephone Company designated switch capable of performing a customer identification function. The customer identification function determines the customer to which the 900 call is routed by the Telephone Company.

The customer identification function will be available at suitably equipped end offices or Telephone Company access tandems. Once customer identification has been established, the call will be routed to the customer. 900 Access Service may be provided via 900 Access Service switched trunk groups or in conjunction with a customer's FGC, FGD, BSA-C or BSA-D Switched Access Service.

- (2) If the customer's 900 Access traffic originates from an end office not equipped to perform the customer identification function, the call will be routed to the nearest office at which the function is available. Once customer identification has been established, the call will be routed to the customer.

Unless prohibited by technical limitations, the customer's 900 Access Service traffic may, at the option of the customer, be combined in the same trunk group arrangement as the customer's FGC, FGD, BSA-C or BSA-D Access Service traffic. When required by technical limitations a separate trunk group must be established for 900 Access Service.

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6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.11 900 Access Service (Cont'd)(A) Description (Cont'd)

- (3) 900 Access Service is provided as trunk side switching through the use of end offices or Telephone Company access tandems. 900 Access Service originating from equal access end offices with the customer identification function will be provided using Feature Group D signaling as set forth in 6.2.4 (A)(2) and (3) or BSA-D signaling as set forth in 6.2.8(A)(2) and (3). When Feature Group D signaling is provided, ANI will be provided in the same manner in which ANI is provided for Feature Group D as set forth in 6.3.2 (F). When BSA-D signaling is provided, ANI may be provided in the same manner in which ANI is provided for BSA-D as set forth in 6.2.14.

900 Access Service originating from end offices not having equal access capabilities will be provided using Feature Group C signaling as set forth in 6.2.3(A)(2) and (3) or BSA-C signaling as set forth in 6.2.7(A)(2) and (3). When Feature Group C signaling is provided, ANI will be provided in the same manner in which ANI is provided for Feature Group C as set forth in 6.3.2 (F). When BSA-C signaling is provided, ANI may be provided in the same manner in which ANI is provided for BSA-C as set forth in 6.2.14.

In cases where 900 Access Service will be used for mass calling events, the customer is required to provide notice of the event to the Telephone Company. Notification must be provided at least two business days prior to the event. As a result of such notification, the Telephone Company may implement protective controls to ensure acceptable service levels.

Failure to notify the Telephone Company of such events may subject the 900 Access Service to discontinuance as specified in Section 2.2.1.

Calls to a 900 number dialed via 1+ from coin telephones, 101XXXX, Inmate Service and Hotel/Motel Service will be blocked. Calls to a 900 number dialed via 0+ or 0- will be blocked. Calls to a 900 number dialed via 0+ from end offices converted to equal access will be unblocked if an ASR requesting unblocking is submitted to the Telephone Company by the customer.

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6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.11 900 Access Service (Cont'd)(B) Optional Features(1) Common Switching Optional Features

- (a) Automatic Number Identification (ANI)
- (b) Dial Pulse Address Signaling
- (c) Revertive Pulse Address Signaling
- (d) Delay Dial Start-Pulsing Signaling
- (e) Immediate Dial Pulse Address Signaling
- (f) Panel Call Indicator Address Signaling
- (g) Alternate Traffic Routing
- (h) SS7 Out of Band Signaling
- (i) Customer Identification Function
- (j) Tandem Switch Signaling

(2) Local Transport Optional Features

- (a) Supervisory Signaling

(C) Transmission Specifications(1) Reserved for Future Use

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.11 900 Access Service (Cont'd)(C) Transmission Specifications (Cont'd)(1) Reserved for Future Use (Cont'd)(2) End Offices

900 Access Service is provided with either Type A, Type B or Type C Transmission Specifications as follows:

- When routed directly to the end office either Type B or C is provided.
- When routed to a Telephone Company access tandem only Type A is provided.
- Type A is provided on the transmission path from the Telephone Company access tandem to the end office.

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

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

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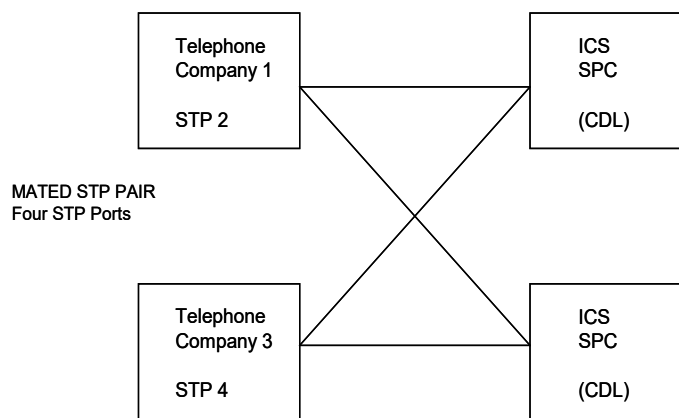
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6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.12 Common Channel Signaling System 7 Access Service(A) Description

Common Channel Signaling System 7 (CCS7) Access service provides an interconnection between the Common Channel Signaling (CCS) network of the Telephone Company and a customer's CCS network or SS7 capable voice/data network using Dedicated Switched Access facilities and Signal Transfer Point (STP) Ports. CCS7 Access service provides the connection between the Telephone Company's STP and the customer's premises to allow customers to access Telephone Company provided services requiring CCS7 connectivity. CCS7 Access service provides for the transmission of network control and other signaling information from the Telephone Company's STP, via the STP Port and Dedicated Switched Access facilities, to the customer's premises. The technical interface specifications are as described in Bellcore Technical Reference Publication TR-TSV-000905. The locations of the Telephone Company's STP switches are indicated in (D) following and in National Exchange Carrier Association, Inc. Tariff FCC No. 4.

CCS7 Access Service may interconnect a customer's paired STPs to the Telephone Company's mated STP pairs. With this arrangement, the customer is connected to two STPs and four STP Ports via four Dedicated Switched Access facilities. The following diagram depicts a generic view of this arrangement.



---Dedicated Switched Access Facility

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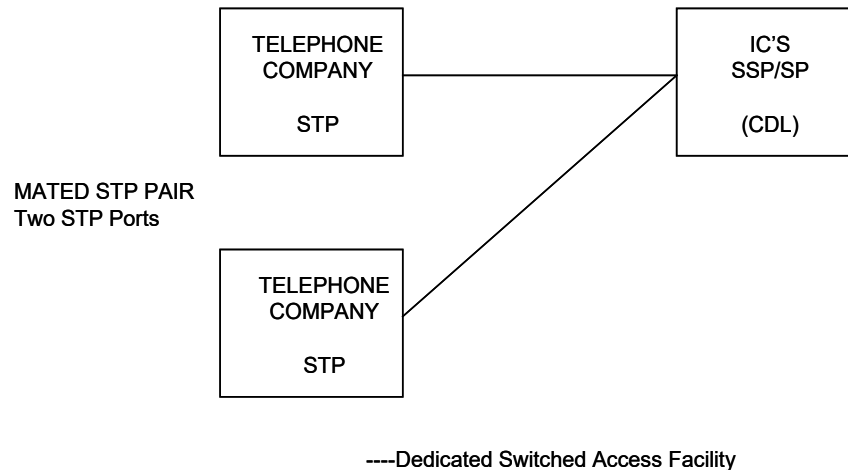
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6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.12 Common Channel Signaling System 7 Access Service (Cont'd)(A) Description (Cont'd)

CCS7 Access service may also interconnect a Customer Signaling Point or Service Switching Point to the mated STP pairs at the locations specified. With this arrangement, the customer is connected to two STPs and two STP Ports via two Dedicated Switched Access facilities.

The following diagram depicts a generic view of this arrangement.

(B) Dedicated Switched Access

Dedicated Switched Access provides a dedicated transmission path to connect a customer's premises to the Telephone Company's Signal Transfer Point (STP). This service is provided in 56 Kbps digital or DS1 formats only. The 56 Kbps format provides connection to one port at the STP and the DS1 format provides an equivalence of 24, 56 Kbps facilities for connection of up to 24 ports at the STP. Dedicated Switched Access has two rate elements: Dedicated Switched Access Line (DSAL) and Dedicated Switched Access Transport (DSAT).

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6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.12 Common Channel Signaling System 7 Access Service (Cont'd)(B) Dedicated Switched Access (Cont'd)

- (1) The DSAL rate element provides the transmission path between a customer's premises and its serving wire center. A 56 Kbps or DS1 interface is provided at the customer's premises as part of the DSAL. The 56 Kbps interface provides for the simultaneous two-way transmission of sequential bipolar data signals at a transmission speed of 56 Kbps over four-wire facilities. The DS1 interface provides for the simultaneous two-way transmission of sequential data signals at a transmission speed of 1.544 Mbps. This rate element is not distance nor usage sensitive.
- (2) The DSAT rate element provides the transmission path between the serving wire center of the customer's premises and the STP. This rate element is distance sensitive on a per airline mile basis, but is not usage sensitive. Where the serving wire center of the customer's premises and the STP location are the same, the DSAT rate element does not apply. Airline miles will be calculated using the V&H coordinates method outlined in NECA Tariff FCC No. 4 between the customer's serving wire center and the STP.

(C) STP Port Termination

The STP Port Termination provides the means to terminate the Dedicated Switched Access facility at the STP. One STP Port Termination is required for each 56 Kbps or 56 Kbps equivalent facility.

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6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.13 500 Access Service(A) Description

- (1) 500 Access Service is an originating trunk side service that provides for the forwarding of end user dialed 500-NXX-XXXX calls to a customer via a Telephone Company designated switch capable of performing a customer identification function. The customer identification function determines the customer to which the 500 call is routed by the Telephone Company.

The customer identification function will be available at suitably equipped end office or Telephone Company access tandem switches. Once customer identification has been established, the call will be routed to the customer. 500 Access Service may be provided via 500 Access Service switched trunk groups or in conjunction with a customer's FGC, FGD, BSA-C or BSA-D Switched Access Service.

- (2) If the customer's 500 Access traffic originates from an end office switch not equipped to perform the customer identification function, the call will be routed to the nearest office at which the function is available. Once customer identification has been established, the call will be routed to the customer.

Unless prohibited by technical limitations, the customer's 500 Access Service traffic may, at the option of the customer, be combined in the same trunk group arrangement as the customer's FGC, FGD, BSA-C or BSA-D Access Service traffic. When required by technical limitations a separate trunk group must be established for 500 Access Service.

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6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.13 500 Access Service (Cont'd)(A) Description (Cont'd)

- (3) 500 Access Service is provided as trunk side switching through the use of end office or Telephone Company access tandem switch trunk equipment. 500 Access Service originating from equal access end offices with the customer identification function will be provided using Feature Group D signaling as set forth in 6.2.4 (A)(2) and (3) or BSA-D signaling as set forth in 6.2.8(A)(2) and (3). When Feature Group D signaling is provided, ANI will be provided in the same manner in which ANI is provided for Feature Group D as set forth in 6.3.2 (F). When BSA-D signaling is provided, ANI may be provided in the same manner in which ANI is provided for BSA-D as set forth in 6.2.14.

500 Access Service originating from end offices not having equal access capabilities will be provided using Feature Group C signaling as set forth in 6.2.3(A)(2) and (3) or BSA-C signaling as set forth in 6.2.7(A)(2) and (3). When Feature Group C signaling is provided, ANI will be provided in the same manner in which ANI is provided for Feature Group C as set forth in 6.3.2 (F). When BSA-C signaling is provided, ANI may be provided in the same manner in which ANI is provided for BSA-C as set forth in 6.2.14.

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6. Switched Access Service (Cont'd)

6.2 Switched Access Service Arrangements (Cont'd)

6.2.13 500 Access Service (Cont'd)

(B) Optional Features

(1) Common Switching Optional Features

- (a) Automatic Number Identification (ANI)
- (b) Dial Pulse Address Signaling
- (c) Revertive Pulse Address Signaling
- (d) Delay Dial Start-Pulsing Signaling
- (e) Immediate Dial Pulse Address Signaling
- (f) Panel Call Indicator Address Signaling
- (g) Alternate Traffic Routing
- (h) SS7 Out of Band Signaling
- (i) Customer Identification Function
- (j) Tandem Switch Signaling

(2) Local Transport Optional Features

- (a) Supervisory Signaling

(C) Transmission Specifications

(1) Reserved for Future Use

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.13 500 Access Service (Cont'd)(C) Transmission Specifications (Cont'd)(1) Reserved for Future Use (Cont'd)(2) End Offices

500 Access Service is provided with either Type A, Type B or Type C Transmission Specifications as follows:

- When routed directly to the end office either Type B or C is provided.
- When routed to a Telephone Company access tandem only Type A is provided.
- Type A is provided on the transmission path from the Telephone Company access tandem to the end office.

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

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

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6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.14 Basic Service Elements

The following Basic Service Elements (BSEs) are chargeable unbundled service options available only with Basic Serving Arrangements. The Telephone Company makes no guarantee that these BSE's will be available in all locations. Rate regulations and charges applicable to BSEs appear in 6.5.15 and 6.6.

(A) Alternate Traffic Routing - BSE

This BSE provides the capability of directing originating traffic from an end office (or appropriately equipped 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 BSA-D customer subscribes to TAS (Tandem Access Sectorization) and Alternate Traffic Routing, the "final" trunk group and any intermediate trunk groups carrying additional originating overflowing traffic must terminate at the same CDL as does the "high usage" trunk group.

Alternate Traffic Routing - BSE is provided in suitably equipped end office or access tandem switches and is available with BSA-B, BSA-C, and BSA-D.

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6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.14 Basic Service Elements (Cont'd)(B) Automatic Number Identification (ANI) - BSE

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

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

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

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

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

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

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6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.14 Basic Service Elements (Cont'd)(B) Automatic Number Identification (ANI) - BSE (Cont'd)

The seven digit ANI telephone number is available with BSA-B and BSA-C. It will be transmitted on all calls except those identified as a multiparty line or ANI failure. The ten digit ANI telephone number is only available with BSA-D. When BSA-D with SS7 Out of Band Signaling is specified, the customer may order an ANI equivalent by ordering the Charge Number parameter as described in 6.3.2(Z) at the rates for ANI-BSE as shown in 6.6. 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 a multiparty line or 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 BSA-C, 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.

- (1) Where ANI cannot be provided (e.g., on calls from 2, in some instances, 4, and 8 party services) information digits will be provided to the customer. The information digits are used in the following situations:

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

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6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.14 Basic Service Elements (Cont'd)(B) Automatic Number Identification (ANI) - BSE (Cont'd)

- (2) Multiparty line telephone number is a 2, in some instances, 4, or 8 party line and cannot be identified - number must be obtained via an operator or in some other manner.
- (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) The configuration of the line requires special screening or handling by the customer, or
- (5) Call is an Automatic Identified Outward Dialed (AIOD) call from end user terminal equipment.

These ANI information digits are available with BSA-B, BSA-C, and BSA-D only. In addition, the following information digits are available with BSA-D only:

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

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

(C) User Transfer - BSE

This option, available with BSA-A, provides the ability to temporarily hold an established call, originate another call to a third party, and then redirect the first call to the third party. When a call has been transferred, the original line is cleared to place or receive another call.

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6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.14 Basic Service Elements (Cont'd)(D) Hunt Group Arrangement - BSE

This BSE, available only with BSA-A, 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 BSE contemplates one access code (i.e., telephone number) per arrangement. This BSE also 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.

(E) Queuing - BSE

This BSE is available only with BSA-A in conjunction with the Uniform Call Distribution (UCD) BSE and may only be provided in Telephone Company electronic end offices.

When all terminals in a UCD Arrangement are busy, queuing allows for an incoming call to be placed in queue to await an available terminal in the UCD arrangement. When a call is placed in queue, audible ringing is returned to the customer and no further indication is sent until a terminal completes the call. The call that has been in queue the longest will be the first call handled when a terminal becomes available. The maximum number of calls that can be placed in queue is dependent upon the total number of lines in the multiline hunt group. If the incoming call cannot be placed in queue, the calling party will receive a busy tone.

(F) Uniform Call Distribution - BSE

This BSE provides a type of multiline hunting arrangement which evenly distributes calls among the available lines in a hunt group. Where available, this arrangement is provided with originating use for BSA-A and terminating use for Special Access Lines.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.14 Basic Service Elements (Cont'd)(G) Simplified Message Desk Interface (SMDI)

This option provides call-related information for calls utilizing a BSE hunt group arrangement. SMDI provides the capability for delivering the called number, the calling number, and a call forwarding indicator (i.e., call forwarding busy, call forwarding don't answer, or direct call). This information is transmitted to the CDL utilizing a DNAL (Section 6.2.9). In addition, where customer equipment exists, SMDI will allow a customer to activate a message waiting indicator to the called number. The message waiting indicator includes Message Waiting Indication - Audible or Message Waiting Indication - Audible Ring Burst.

The customer shall provide the appropriate Customer Premises Equipment (CPE) to store, display or print the transmitted call status information as well as equipment to activate or deactivate the message waiting indicator. The Telephone Company assumes no liability and will be held harmless for any incompatibility of their CPE to perform satisfactorily with this feature. This BSE, available with DNA, is provided from suitably equipped end offices. The customer is responsible for providing a modem at the CDL which interfaces with the Telephone Company equipment at 1200 baud ASCII.

(H) Caller Identification - Number (ICLID) BSE

This BSE provides the customer with the calling party's directory number at the time the call is received. The calling number is transmitted to the customer during the first silent interval of the ringing cycle. The number is displayed on customer-provided equipment.

Where available, this arrangement is provided with originating BSA-A as a nonchargeable option.

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6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.14 Basic Service Elements (Cont'd)(I) Remote Call Forwarding - BSE

This BSE is a service that utilizes a seven digit Directory Number (DN) to automatically forward all incoming calls to another DN. The forwarded to number can be in the same central office switch or in another central office switch.

The remote call forwarding directory number is not directly associated with an access connection arrangement, but rather is a software translation programmed within the central office switch. All calls dialed to that directory number will forward to another number automatically. The subscriber to this capability does not have a station set for termination of calls made to their remote call forwarding number. Where available, this arrangement is provided with BSA-A and FGA.

(J) Direct Inward Dialing (DID) - BSE

This BSE provides a two or four wire DID termination with line treatment at the first point of switching that permits the Dial Tone Central Office Switch to deliver all or part of the called number to the customer premises at the time the call is established. Multifrequency (MF), Dual Tone Multifrequency (DTMF) or Dial Pulse address signaling is used by the Telephone Company to deliver only the called telephone number to the customer premises. No other address signaling will be delivered to the customer premises. The type of signaling utilized depends on the Dial Tone Office switching equipment available. If additional address signaling is required by the customer, it must be provided by the customer's end user using inband tone address signals which will not be regenerated by the Telephone Company and will be subject to the ordinary transmission capabilities of the Switched Transport provided.

This BSE is only available with new BSA-A arrangements and only in the originating direction. The customer must order a DID Trunk Termination and the first group of 20 DID numbers to be associated with the DID Termination in addition to BSA-A service. Additional groups of 20 DID telephone numbers are available. If the grade of service at the group busy hour of the DID trunk group is less than P.05 for two consecutive months, the customer may be required to subscribe to additional DID Trunk Terminations. The DID optional feature is only available as a stand alone BSE or optional feature, no other BSEs or optional features can be used in conjunction with it.

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6. Switched Access Service (Cont'd)6.2 Switched Access Service Arrangements (Cont'd)6.2.14 Basic Service Elements (Cont'd)(K) Billed Number Screening (BNS) - BSE

This BSE prevents the billing of incoming collect and third number billed calls to a customer's telephone account.

The Telephone Company, upon request of the customer, shall confirm the Billed Number Screening service applied to their account.

Where available, this arrangement is provided with BSA-A and FGA.

(L) Controlink® Digital Channel Service (CLDCS) - BSE

This BSE provides a digital common line connection between the CDL and the local serving wire center. The digital transmission rate available is either DS1 (1.544 Mbps) or DS3 (44.736 Mbps).

Controlink® Digital Channel Service will be used by the customer to aggregate the customer's telecommunication services onto a digital local loop.

This arrangement is provided on an Individual Case Basis (ICB) with BSA-D.

(M) 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.

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6. Switched Access Service (Cont'd)6.3 Optional Features

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

6.3.1 Local Transport Optional Features(A) Supervisory Signaling

Where the transmission parameters permit, and where signaling conversion is required by the customer to meet its signaling capability, the customer may order an optional supervisory signaling arrangement for each transmission path provided as follows:

- For Interface Groups 1 and 2

DX Supervisory Signaling,
E&M Type I Supervisory Signaling,
E&M Type II Supervisory Signaling, or
E&M Type III Supervisory Signaling

- For Interface Group 2

SF Supervisory Signaling, or
Tandem Supervisory Signaling

- For Interface Groups 6 through 10

At the option of the customer, these Interface Groups may be provided with individual transmission path SF supervisory signaling where such signaling is available in Telephone Company central offices. Generally such signaling is available only where the entry switch provides an analog (i.e., non digital) interface to the transport termination.

These optional supervisory signaling arrangements are not available in conjunction with Signaling System 7 (SS7) Out of Band Signaling.

(B) Customer Specified Entry Switch Receive Level

This feature allows the customer to specify the receive transmission level at the first point of switching. The range of transmission level which may be specified is described in Technical Reference TR-NPL-000334. This feature is available with Interface Groups 2 through 10 for FGA, FGB, BSA-A and BSA-B.

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6. Switched Access Service (Cont'd)6.3 Optional Features (Cont'd)6.3.2 Common Switching Optional Features(A) Call Denial on Line or Hunt Group

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

- 1) Screening of terminating calls for completion to only 411, 611, 911, 555-1212 all valid NXXs associated with the end offices within the LATA, i.e., the call cannot be further switched or routed out of the LATA.
- 2) Screening of terminating calls within the Feature Group A or BSA-A Access Area for completion to only 411, 611, 911, 800, 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.

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 Feature Group A and BSA-A.

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6. Switched Access Service (Cont'd)6.3 Optional Features (Cont'd)6.3.2 Common Switching Optional Features (Cont'd)(B) Service Code Denial on Line or Hunt Group

This option allows for the screening of terminating calls, 0-, 555 and N11 (e.g., 411, 611, and 911). This feature is provided where available in all Telephone Company electronic end offices and electromechanical end offices. It is available with Feature Group A and BSA-A.

(C) 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 6.2.13 and 6.5.15.

This option provides for:

- the ability to sequentially access one of two or more Feature Group A line side connections in the originating direction, when the access code of the line group is dialed, and
- the ability to sequentially access one of two or more Voice Grade Circuits (e.g., 800, 888 Service Circuits) 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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6. Switched Access Service (Cont'd)6.3 Optional Features (Cont'd)6.3.2 Common Switching Optional Features (Cont'd)(D) 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 feature is provided in Telephone Company electronic end offices only. It is available for originating use with Feature Group A and for terminating use with Special Access used with a Switched Access Interface. This option is available with BSA-A as a chargeable BSE as shown in 6.2.14 and 6.5.15.

(E) Nonhunting Number for Use with Hunt Group or Uniform Call Distribution Arrangement

This option provides an arrangement for an individual line within a multiline hunt or uniform call distribution group that provides access to that line within the hunt or uniform call distribution group when it is idle or provides busy tone when it is busy, when the nonhunting number is dialed. Where available, this feature is provided in Telephone Company electronic end offices only. It is available with Feature Group A, BSA-A utilizing Uniform Call Distribution - BSE, and Special Access lines used with a Switched Access Interface.

(F) Automatic Number Identification (ANI)

This option provides the automatic transmission of a seven or ten digit number and information digits to the customer's premises for calls originating in the Access Area to identify the calling station. The ANI feature is an end office software function which is associated on a call-by-call basis with (1) all individual transmission paths in a trunk group routed directly between an end office and a customer's premises or, where technically feasible, with (2) all individual transmission paths in a trunk group between an end office and a Telephone Company access tandem, and a trunk group between a Telephone Company access tandem and a customer's premises. When Feature Group D is provided with SS7 Out of Band Signaling, the customer may obtain an ANI equivalent by ordering the Charge Number optional feature as described in 6.3.2(Z).

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6. Switched Access Service (Cont'd)6.3 Optional Features (Cont'd)6.3.2 Common Switching Optional Features (Cont'd)(F) Automatic Number Identification (ANI) (Cont'd)

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

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

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

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

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

The seven digit ANI telephone number is available with Feature Groups B and C. With these Feature Groups, technical limitations may exist in Telephone Company switching facilities which require ANI to be provided only on a directly trunked basis. ANI will be transmitted on all calls except those originating from multiparty lines, coin stations and coinless pay telephones using Feature Group B, or when an ANI failure has occurred.

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6. Switched Access Service (Cont'd)6.3 Optional Features (Cont'd)6.3.2 Common Switching Optional Features (Cont'd)(F) Automatic Number Identification (ANI) (Cont'd)

The ten digit ANI telephone number is only available with Feature Group D, and where the technical capability exists, Feature Group B. 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 multiparty line or ANI failure, in which case only the NPA will be transmitted (in addition to the information digit described below).

For FGD where technical capabilities exist, ANI may be ordered on a class of service (type of call) basis, rather than the trunk group on which the call is routed. Class of service as defined here means: A) Service type; B) Line Class of Service (e.g., Hotel/Motel, Coin); C) Service Access Code (SAC) e.g., 500, 800 or 900; D) Prefix dialed (0+, 0-, 00-, 01+, 011+); or any combination of A through D.

With Feature Group C, ANI is provided from end offices at which Telephone Company recording for end user billing is not provided, or where it is not required, as with 500, 800 or 900 Access Service. It is not provided from end offices for which the Telephone Company needs to forward ANI to its recording equipment.

Where ANI cannot be provided, e.g., on calls from 4 and 8 party services, information digits will be provided to the customer.

The information digits identify: (1) telephone number is the station billing number - no special treatment required, (2) multiparty line - telephone number is a 4- or 8-party line and cannot be identified - number must be obtained via an operator or in some other manner, (3) ANI failure has occurred in the end office switch which prevents identification of calling telephone number - must be obtained by operator or in some other manner, (4) hotel/motel originated call which requires room number identification,

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6. Switched Access Service (Cont'd)6.3 Optional Features (Cont'd)6.3.2 Common Switching Optional Features (Cont'd)(F) Automatic Number Identification (ANI) (Cont'd)

(5) coinless station, hospital, inmate, etc. call which requires special screening or handling by the customer, and (6) call is an Automatic Identified Outward Dialed (AIOD) call from customer premises equipment. The ANI telephone number is the listed telephone number of the customer and is not the telephone number of the calling party.

These ANI information digits are available with Feature Groups B, C, and D.

Additional ANI information digits are available with Feature Group D only. They include:

- (1) interLATA restricted - telephone number is identified line
- (2) interLATA restricted - hotel/motel line
- (3) interLATA restricted - coinless, hospital, inmate, etc., line

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

The ANI Arrangement is available with BSA-B, BSA-C and BSA-D as a chargeable BSE as specified in 6.2.14 and 6.5.15.

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

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

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6. Switched Access Service (Cont'd)6.3 Optional Features (Cont'd)6.3.2 Common Switching Optional Features (Cont'd)(H) Revertive Pulse Address Signaling

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

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

This option is available with FGC, BSA-C, 800/877/888 Access Service, and 900 Access Service.

(I) Delay Dial Start-Pulsing Signaling

This option provides a method of indicating to the near end trunk circuit readiness to accept address signaling information by the far end trunk circuit. Delay dial is often referred to as an off-hook interval and the start-pulsing signal is the on-hook interval. With integrity check, the calling office will not outpulse until a delay dial (off-hook) signal followed by a start-pulsing (on-hook) signal has been identified at the calling office. This option is available with FGC, BSA-C, 800/877/888 Access Service, and 900 Access Service.

(J) Immediate Dial Pulse Address Signaling

This option provides for the forwarding of dial pulses from the Telephone Company end office to the customer without the need of a start-pulsing signal from the customer. It is available with Feature Group C, BSA-C, 800/877/888 Access Service, and 900 Access Service.

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6. Switched Access Service (Cont'd)6.3 Optional Features (Cont'd)6.3.2 Common Switching Optional Features (Cont'd)(K) Dial Pulse Address Signaling

This trunk side option provides for the transmission of number information, e.g., called number, between the end office switching system and the customer's premises (in either direction) by means of direct current pulses. It is available with FGC, BSA-C, 800/877/888 Access Service, and 900 Access Service.

(L) Panel Call Indicator Address Signaling

This option provides a dc pulsing arrangement in which each digit is transmitted as a series of four marginal and polarized impulses. It is available with FGC, BSA-C, 800/877/888 Access Service, and 900 Access Service.

(M) Service Class Routing

This option provides the capability of directing originating traffic from an end office to a trunk group to a customer designated premises, based on the line class of service (e.g., coin, multiparty or hotel/motel), service prefix indicator (e.g., 0-, 0+, 01+ or 011+) or service access code (e.g., 800, 877, 888 or 900). When a customer orders service class routing, it must report the appropriate codes to be instituted in each end office or Telephone Company access tandem switch. Originating 800-NXX-XXXX, 877-NXX-XXXX, or 888-NXX-XXXX calls are routed in accordance with the 800/877/888 customer identification function described in 6.2.5(A)(1). It is provided in suitably equipped end office or Telephone Company access tandem switches and is available with FGC, FGD, BSA-C and BSA-D.

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6. Switched Access Service (Cont'd)6.3 Optional Features (Cont'd)6.3.2 Common Switching Optional Features (Cont'd)(N) Alternate Traffic Routing

This option provides the capability of directing originating traffic from an end office (or appropriately equipped Telephone Company access tandem) to a trunk group (the "high usage" group) to a customer designated premises until that group is fully loaded, and then delivering additional originating traffic (the "overflowing" traffic) from the same end office or Telephone Company access tandem to a different trunk group (the "final" group) to a second customer designated premises. The customer shall specify the last trunk CCS desired for the high usage group. It is provided in suitably equipped end offices or Telephone Company access tandems and is available with Feature Groups C, D, 800/877/888 Access Service, and 900 Access Service.

This option is available with BSA-B, BSA-C and BSA-D as specified in 6.2.14 and 6.5.15.

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6. Switched Access Service (Cont'd)6.3 Optional Features (Cont'd)6.3.2 Common Switching Optional Features (Cont'd)(O) Trunk Access Limitation

This option provides for the routing of originating 900 service calls to a specified number of transmission paths in a trunk group, in order to limit (choke) the completion of such traffic to the customer. Calls to the designated service which could not be completed over the subset of transmission paths in the trunk group, i.e., the choked calls, would be routed to reorder tone. It is provided in all Telephone Company electronic end offices and where available in electromechanical end offices. The customer must specify the number of trunks to be instituted in each end office or Telephone Company access tandem switch for each arrangement ordered. It is available with FGC, FGD, BSA-C, BSA-D and 900 Access Service.

(P) Call Gapping Arrangement

This option, provided in suitably equipped end office switches, provides for the routing of originating calls to 900 service to be switched in the end office to all transmission paths in a trunk group at a prescribed rate of flow, e.g., one call every five seconds, in order to limit (choke) the completion of such traffic to the customer. Calls to the designated service which are denied access by this feature, i.e., the choked calls, would be routed to a no-circuit announcement. The customer must specify the trunk groups affected and prescribed rate of flow in each end office or Telephone Company access tandem switch for each arrangement ordered. It is provided in selected FGD and BSA-D equipped end offices and is available only with FGD, BSA-D and 900 Access Service.

(Q) International Carrier Option

This option allows for FGD and BSA-D end office(s) or Telephone Company access tandem(s) equipped for International Direct Distance Dialing to be arranged to forward the international calls of one or more international carriers to the customer (i.e., the Telephone Company is able to route originating international calls to a customer other than 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.

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6. Switched Access Service (Cont'd)6.3 Optional Features (Cont'd)6.3.2 Common Switching Optional Features (Cont'd)(Q) International Carrier Option (Cont'd)

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 Telephone Company access tandems equipped for International Direct Distance Dialing. It is available with FGD and BSA-D.

(R) Non-Overlap Outpulsing

This option allows the customer to specify that all dialed digits must be received by the Telephone Company end office before any outpulsing takes place. After all dialed digits are received, the Telephone Company seizes a trunk toward the customer. This option is available with Feature Group D and BSA-D where technically feasible.

(S) Cut-Through

This option allows end users to reach the customer's premises by dialing 101XXXX + #. This option provides for connection of the call to the premises of the customer indicated by the 101XXXX code upon receipt of the end of dialing the # digit. The Telephone Company will not record any other dialed digits for these calls. This option is available with FGD and BSA-D where technically feasible.

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6. Switched Access Service (Cont'd)6.3 Optional Features (Cont'd)6.3.2 Common Switching Optional Features (Cont'd)(T) 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 interstate and combined interstate/intrastate traffic. Combining of intrastate traffic will be provided in accordance with any individual state regulations as outlined in 6.3.2(T)(5).

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 7.2.1(B) will be applicable to the WATS Serving Office appropriately equipped for the service feature requested.

The Switched Access portion of this arrangement is available from Section 6 of this tariff, except as set forth in (5) following, and provides connectivity from the Telephone Company's WATS Serving Office to the customer's premises. The Special Access portion of this feature is available from Section 7 of this tariff and provides connectivity from the Telephone Company's WATS Serving Office to the customer's end user.

Switched Access Interface Arrangements are provided with rotary dial or dual tone multifrequency address signaling and either loop start or ground start supervisory signaling. The choice of signaling is at the option of the customer. Switched Access Interface Arrangements are also available with extensions, i.e., terminations of the service at different buildings within the same or different LATA. All applicable Special Access rates, as set forth in 7 following, apply to such extensions.

Switched Access Interface Service is available in the following configurations/features:

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6. Switched Access Service (Cont'd)6.3 Optional Features (Cont'd)6.3.2 Common Switching Optional Features (Cont'd)(T) Switched Access Interface (Cont'd)(1) Originating Only Feature

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

(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 6.3.2(T)(1)(b).

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+888-NXX-XXXX and 1+900-NXX-XXXX calls;
- the blocking of all 0+NPA-NXX-XXXX calls;

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6. Switched Access Service (Cont'd)6.3 Optional Features (Cont'd)6.3.2 Common Switching Optional Features (Cont'd)(T) Switched Access Interface (Cont'd)(1) Originating Only Feature (Cont'd)(a) Restricted Geographic Screening Arrangement - Originating Only
(Cont'd)

- 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.

(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 and/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 6.3.2(T)(5). 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 or via facilities of the Telephone Company where state restrictions exist as detailed in 6.3.2(T)(5).
- 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 6.2.5(A)(1);
- 1+900-NXX-XXXX calls to the carrier in accordance with the 900 customer identification function described in 6.2.6(A)(1).
- 1+500-NXX-XXXX, 0+500-NXX-XXXX calls to the carrier in accordance with the 500 customer identification function

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6. Switched Access Service (Cont'd)6.3 Optional Features (Cont'd)6.3.2 Common Switching Optional Features (Cont'd)(T) Switched Access Interface (Cont'd)(1) Originating Only Feature (Cont'd)(b) Unrestricted Arrangement - Originating Only (Cont'd)

- 0+NPA-NXX-XXXX calls to the IC customer or via facilities of the Telephone Company where state restrictions exist as detailed in 6.3.2(T)(5) following;
- calls originated by dialing 0 (zero) to the Telephone Company operator;
- calls originated by dialing 00 (Zero, Zero) to the IC customer (available only with FGD and BSA-D);
- 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 and BSA-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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6. Switched Access Service (Cont'd)6.3 Optional Features (Cont'd)6.3.2 Common Switching Optional Features (Cont'd)(T) Switched Access Interface (Cont'd)(2) TFC Type Terminating Only Feature

The TFC 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 TFC basis) directed to the Special Access via FGA, FGB, FGC, FGD, BSA-A, BSA-B, BSA-C and BSA-D Switched Access. This optional feature is not available with Tandem Switch Signaling.

(3) Combined Originating TFC 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 TFC Type Terminating Only features. This optional feature is not available with Tandem Switch Signaling.

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6. Switched Access Service (Cont'd)6.3 Optional Features (Cont'd)6.3.2 Common Switching Optional Features (Cont'd)(T) 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.

| Section Ref. <u>Directionality</u> | <u>Switched Access Interface Arrangements</u> | | | |
|---------------------------------------|---|---------------------------|--|--|
| | Restricted Geographic Screening Arrangement (T)(1)(a) | Unrestricted (T)(1)(b) | Combined TFC Type Terminating Only (T)(2) | Originating/ TFC Type Terminating (T)(3) |
| Originating Only | x | x | | |
| Terminating Only | | | x | |
| Two-Way | | | | x |
| <u>Call Type (1+)</u> | | | | |
| Local | B | B | B | B |
| intraLATA/Intrast. | B | R/D* | C | R/D/C* |
| intraLATA/Interst. | D | D | C | D/C |
| interLATA/Intrast. | B | D* | C | D/C* |
| interLATA/Interst. | 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/TFC/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 except where a state restriction on the passage of intraLATA and/or interLATA traffic exists. These restrictions are detailed in 6.3.2(T)(5).

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6. Switched Access Service (Cont'd)

6.3 Optional Features (Cont'd)

6.3.2 Common Switching Optional Features (Cont'd)

(T) 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 6.3.2(T)(1)(b)i 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 except where a state restriction exists.

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6. Switched Access Service (Cont'd)6.3 Optional Features (Cont'd)6.3.2 Common Switching Optional Features (Cont'd)(T) Switched Access Interface (Cont'd)(5) Intrastate Traffic Restriction (Cont'd)

The terms, conditions, and rates for the interstate Switched Access and Special Access associated with this feature are as set forth in Sections 6 and 7 of this tariff. The terms, conditions, and rates for the intrastate access services are as set forth in the Telephone Company Intrastate Access tariffs.

When the customer orders Special Access from Section 7 of this tariff for the facilities between the end user's premises and the WATS Serving Office for use with Multi-jurisdictional Access as set forth above, and if the Telephone Company intrastate tariff also provides for customer billing for these facilities, the customer will be exempted from the intrastate charge.

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6. Switched Access Service (Cont'd)6.3 Optional Features (Cont'd)6.3.2 Common Switching Optional Features (Cont'd)(U) Switched Data Service

(1) Switched 56

Switched Data service provides for a connection capable of up to 56 Kbps digital transmission between a customer's premises and a suitably equipped end office. Switched Data service lines connected at those suitably equipped end offices may 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. Access is made via the standard FGD or BSA-D dialing pattern as described in Section 6.2.4(A)(6).

This option is available only with FGD and BSA-D. A separate FGD or BSA-D trunk must be established for the provision of Switched Data service. This trunk group requires the use of a DS1 digital interface (Interface Group 6) as described in Section 9.1.6. Switched Data and Non-switched Data traffic may not be combined on the same trunk group.

(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 9.1.6 and is available only with FGD and 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 SERVICE

6. Switched Access Service (Cont'd)6.3 Optional Features (Cont'd)6.3.2 Common Switching Optional Features (Cont'd)(U) Switched Data Service

(2) (Cont'd)

Access is made via the standard dialing pattern as set forth in Section 6.2.4(A)(6).

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.

(V) Band Advance Arrangement

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

(W) 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 Section 6.2.7 and is only available with FGD, BSA-D, 500, 800, 888 or 900 Access service. 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 Telephone Company access tandem switching systems and the customer's premises. FGD and BSA-D Switched Access, 500, 800, 888, and 900 Access service equipped with SS7 Out of Band Signaling (Tandem Switch Signaling is only available with FGD, BSA-D, 500 and 900 Services) are available with Interface Groups 6 (DS1), 7 (DS1C), and 9 (DS3). SS7 Out of Band Signaling is provided at suitably equipped Telephone Company end office or Telephone Company access tandem. The technical specifications for SS7 Out of Band Signaling are described in Bellcore Technical Reference Publication TR-TSV-000905.

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6. Switched Access Service (Cont'd)6.3 Optional Features (Cont'd)6.3.2 Common Switching Optional Features (Cont'd)(X) 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.

(Y) Carrier Selection Parameter (CSP)

The CSP parameter, available as a nonchargeable option for originating FGD or 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.

(Z) 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 6.6. 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.

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6. Switched Access Service (Cont'd)6.3 Optional Features (Cont'd)6.3.2 Common Switching Optional Features (Cont'd)(Z) Charge Number (CN) Parameter (Cont'd)

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.

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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6. Switched Access Service (Cont'd)6.3 Optional Features (Cont'd)6.3.2 Common Switching Optional Features (Cont'd)(AA) 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 a 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 and BSA-D Switched Access, 500 SAC Access Service and 900 SAC Access service 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.

(AB) FGD and BSA-D Switched Access with 950-XXXX Access

FGD and 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 to the customer over the customer's FGD or BSA-D trunks. All such calls will 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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6. Switched Access Service (Cont'd)6.3 Optional Features (Cont'd)6.3.2 Common Switching Optional Features (Cont'd)(AC) Carrier Identification Parameter (CIP)

Carrier Identification Parameter is available as an optional feature provided in conjunction with originating FGD with SS7 Out of Band Signaling. CIP provides for the transmission of the Carrier Identification Code (CIC) or the access code 101XXXX to the customer with the Initial Address Message (IAM). CIP is available with originating FGD in suitably equipped end offices and access tandems. CIP will be populated by a 4-digit CIC at the rates shown in 6.6.15. Application of charges is shown in 6.5.16.

The Telephone Company will make every effort to maintain CIP information, equipment and facilities in a format which facilitates the customer's use of the CIP offering. Changes (i.e., technology, customer account makeup, etc.) can occur affecting such information, however, and the Telephone Company cannot guarantee that the CIP equipment and facilities will be completely capable of processing CIP data at all times. Accordingly, the Telephone Company shall not be liable for any incidental, indirect, special or consequential damages (including lost revenue or profits) of any kind, resulting from inaccuracy of CIP data and/or the inability of its equipment and facilities to process CIP data.

(AD) 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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6. Switched Access Service (Cont'd)6.3 Optional Features (Cont'd)6.3.3 Transport Termination Optional Features(A) Rotary Dial Station Signaling

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

(B) Operator Trunk - Coin, Non-Coin, or Combined Coin and Non-Coin

This option may be ordered to provide coin, non-coin, or combined coin and non-coin operation. It is available, only with Feature Group C and BSA-C and is provided in electronic end offices and other Telephone Company end offices where equipment is available. It is provided as a trunk type of Transport Termination.

Coin:

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

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

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6. Switched Access Service (Cont'd)6.3 Optional Features (Cont'd)6.3.3 Transport Termination Optional Features (Cont'd)(B) Operator Trunk - Coin, Non-Coin, or Combined Coin and Non-Coin (Cont'd)

Non-Coin:

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

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

Combined Coin and Non-Coin:

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

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6. Switched Access Service (Cont'd)6.3 Optional Features (Cont'd)6.3.3 Transport Termination Optional Features (Cont'd)(B) Operator Trunk - Coin, Non-Coin, or Combined Coin and Non-Coin(Cont'd)

This arrangement is normally ordered by the customer in conjunction with the ANI optional feature, since the preponderance of trunk groups equipped with this arrangement will be terminated in the customer's operator services systems rather than in the customer's manual cord boards. When so equipped, the ANI optional feature provides for the forwarding of information digits which identify that the call has originated from a hotel or motel, and whether room number identification is required, or that special screening is required, e.g., for coinless public stations, dormitory or inmate stations, or other screening arrangements agreed to between the customer and the Telephone Company.

(C) Operator Trunk - Full Feature

This option provides the initial coin return control function to the customer's operator. It is available with FGD and BSA-D and is provided as a trunk type for Transport Termination. This option is not available in conjunction with SS7 Out of Band Signaling.

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6. Access Service (Cont'd)6.4 Provision of Switched Access Service

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

(A) Network Management

The Telephone Company will administer its network to insure the provision of acceptable service levels to all telecommunications users of the Telephone Company's network services. Generally, service levels are considered acceptable only when both end users and customers are able to establish connection with little or no delay encountered within the Telephone Company network.

The Telephone Company maintains the right to apply protective controls, (i.e., those actions which selectively cancel the completion of traffic) over any traffic carrier over its network, including that associated with a customer's Switched Access Service. Generally, such protective measures would only be taken as a result of occurrences such as failure or overload of Telephone Company or customer facilities, natural disasters, mass calling or national security demands. In the event that the protective controls applied by the Telephone Company result in the complete loss of service by the customer, the customer will be granted a Credit Allowance for Service Interruption as set forth in 2.4.4(C) preceding.

(B) Design and Traffic Routing of Switched Access Service

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 customer's premises. Selection of facilities, equipment and routing of the Switched Access is based on standard engineering methods, facilities and equipment available, Telephone Company traffic routing plans, and the customer's order for service.

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6. Switched Access Service (Cont'd)6.4 Provision of Switched Access Service (Cont'd)(B) Design and Traffic Routing of Switched Access Service (Cont'd)

The Telephone Company will select the First Point(s) of Switching and routing to be used where traffic is aggregated at a central location. Those Telephone Companies providing equal access in a centralized Telephone Company equal access tandem arrangement are listed in 15.2. Direct-Trunked Transport is not provided to centralized equal access end offices and is not provided to those Telephone Company end offices that are not capable of measuring Switched Access Minutes of Use.

Any customer may request that the facilities used to provide Switched Access Service be specially routed. The regulations, rates and charges for Special Facilities Routing (i.e., Avoidance, Diversity, and Cable-Only) are set forth in 11.

(C) Access Tandem Arrangements

Trunk side switched access services may be provided via a Telephone Company access tandem to specific end offices subtending that Telephone Company access tandem. Each subtending end office will be located within the Telephone Company Access Tandem Network as defined by the Telephone Company. Telephone Company access tandem offices are identified in the National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4. The Telephone Company will provide the description of a Telephone Company Access Tandem Network to a customer upon request. When trunk side access is ordered to a specific Telephone Company access tandem, access will be provided to all the NXXs included in that Telephone Company Access Tandem Network.

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6. Switched Access Service (Cont'd)6.4 Provision of Switched Access Service (Cont'd)(D) Determination of Number of Transmission Paths and Terminations

For Switched Access Service arrangements the customer must specify the number and type of Entrance Facilities between the customer designated premises and the serving wire center in the order for service.

The Telephone Company will determine the number of Switched Access Service transmission paths to be provided for Tandem-Switched Transport Services, when ordered in busy hour minutes of capacity. A transmission path is a communication path within the frequency bandwidth of approximately 300 to 3000 Hz or a derived communication path of frequency bandwidth of approximately 300 Hz to 3000 Hz provided over a high frequency analog facility or a high speed digital facility between a customer's premises and a Telephone Company location.

The number of transmission paths will be developed using the total busy hour minutes of capacity by type [as described in 5.1.2 (A)(2)] for the end offices for each Switched Access Arrangement ordered from a customer's premises. The total busy hour minutes of capacity by type for the end office will be converted to transmission paths using standard Telephone Company traffic engineering methods. The number of transmission paths provided shall be the number required based on (1) the use of Telephone Company access tandems and end offices (2) the use of end offices only, or (3) the use of Telephone Company access tandems only.

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

(E) Transmission Specifications

Each Switched Access Service transmission path is provided with standard transmission specifications. There are three different standard specifications (Types A, B and C). The standard for a particular transmission path is dependent on the Switched Access Service, the Interface Group and whether the service is directly routed or via a Telephone Company access tandem.

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6. Switched Access Service (Cont'd)6.4 Provision of Switched Access Service (Cont'd)(E) Transmission Specifications (Cont'd)

The available transmission specifications are set forth in 9 following. Data Transmission Parameters are also provided with each Switched Access Service transmission path. The Telephone Company will, upon notification by the customer that the data parameters are not being met, conduct test independently or in cooperation with the customer, and take any necessary action to insure that the data parameters are met. The transmission performance parameters relate only to the Telephone Company provided portion of the service.

The transmission specifications and diversity requirements for CCS7 Access Service are as described in Bellcore Technical Reference Publication TR-TSV-000905.

(F) Design Layout Report

At the request of the customer, the Telephone Company will provide to the customer the makeup of the facilities and services provided from the customer's premises to the first point of switching. This information will be provided in the form of a Design Layout Report. The Design Layout Reports will be provided to the customer at no charge, and will be reissued or updated whenever these facilities are materially changed.

(G) Testing(1) Acceptance Testing

Prior to the customers acceptance of Switched Access Service, and at the Customer's request, the Telephone Company will cooperatively test the following parameters as set forth in (a) and (b). Also, when a customer provides a digital to analog conversion in the provision of a Switched Access Service, the customer has the ability to specify either the digital or analog acceptance tests as described in (a) or (b) to be performed by the Telephone Company. In addition to the various tests outlined below which will be included with the installation of service, other additional Cooperative Acceptance Testing and Nonscheduled Testing is available for Switched Access Service as detailed in 8.

- (a) When a customer orders FGB, FGC, FGD, BSA-B, BSA-C, BSA-D, 500 Access Service, 800/877/888 Access Service, or 900 Access Service and the Telephone Company provides a digital transmission facility between the Telephone Company serving wire center and the customers designated premise without a digital to analog conversion; the digital acceptance tests performed by the Telephone Company will consist of the following:

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6. Switched Access Service (Cont'd)6.4 Provision of Switched Access Service (Cont'd)(G) Testing (Cont'd)(1) Acceptance Testing (Cont'd)

(a) (Cont'd)

- Bit Error test in each transmission direction
- 1004 Hz test per trunk group per di-group in each transmission direction
- C-notched noise test per trunk group per di-group in each transmission direction
- One operational signaling test per trunk in each transmission direction

If a Telephone Company digital facility is provided in conjunction with a High Capacity Special Access Service, the Telephone Company will furnish, upon the customer's request and where the central office is technically equipped, appropriate equipment to allow the customer to conduct tests to verify the integrity of the facility in lieu of cooperative acceptance testing.

(b) When a customer orders FGB, FGC, FGD, BSA-B, BSA-C, BSA-D, 800 or 888 Switched Access Service, and the Telephone Company provides analog transmission facilities between the Telephone Company serving wire center and the customer's designated premise, the analog tests performed by the Telephone Company consist of the following:

- Attenuation tests
- Balance tests (ERL-SRL)
- C-Message noise test
- C-notched noise
- 3 tone slope
- DC continuity
- Operational Signaling

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6. Switched Access Service (Cont'd)6.4 Provision of Switched Access Service (Cont'd)(G) Testing (Cont'd)(1) Acceptance Testing (Cont'd)

- (c) When 500, 800, 888 or 900 NXXs are activated (new translations installed) by the Telephone Company, NXX code testing will be performed by the Telephone Company. For each new NXX activated in a Telephone Company switch capable of performing the customer identification function for 500, 800, 888 or 900 Access Service, the Telephone Company shall place one test call to the IC's 500, 800, 888 or 900-NXX-XXXX test number. This number provides an announcement identifying the IC, thereby verifying Telephone Company routing.

(2) In-Service Testing

After a Switched Access Service has been tested and accepted by the customer for service, the Telephone Company may perform various tests to ensure the quality of the Switched Access Service. These tests may be performed on a routine basis at the discretion of the Telephone Company, and are made subject to the availability of qualified personnel and test equipment. No charge will be assessed to the customer for the provision of In-Service tests.

The Telephone Company may at its option provide the following types of In-Service Switched Access Service tests:

- Attenuation and noise tests
- Balance tests
- Gain - slope tests

When the Telephone Company and the customer agree to test cooperatively, the Telephone Company shall provide the personnel and test equipment necessary to perform such tests at a mutually agreed upon time. The customer may request the Telephone Company to provide a technician at the customer's premises in order to perform these cooperatively scheduled tests. Rates and charges as set forth in 8.4 will apply per technician provided.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.4 Provision of Switched Access Service (Cont'd)(G) Testing (Cont'd)(3) Testing Capabilities

FGA, FGB, FGC, FGD, BSA-A, BSA-B, BSA-C and BSA-D are provided, in the terminating direction where equipment is available, with Seven Digit Access to balance (100 type), and milliwatt (102 type) test lines.

Additionally, FGB, FGC, FGD, BSA-B, BSA-C and BSA-D are provided, in the terminating direction where equipment is available, with seven digit access to the following test lines:

- Nonsynchronous or synchronous test lines
- Automatic transmission measuring (105 type) test line
- Data transmission (107 type) test line
- Loop around test line
- Short circuit and open circuit test line

(4) SS7 Out of Band Signaling

When FGD, BSA-D, 500, 800, 888 or 900 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.

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6. Switched Access Service (Cont'd)6.4 Provision of Switched Access Service (Cont'd)(H) Trunk Group Measurement Reports

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

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

(I) Service Performance Data

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

(J) Reserved for Future Use

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6. Switched Access Service (Cont'd)6.4 Provision of Switched Access Service (Cont'd)(K) Design Blocking Probability

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

For FGA, FGB, BSA-A and BSA-B no design blocking criteria apply.

For FGC and BSA-C, the design blocking objective will be no greater than one percent (.01) between the point of termination at the customer's premises and the first point of switching when traffic is directly routed without an alternate route. Standard traffic engineering methods will be used by the Telephone Company to determine the number of transmission paths required to achieve this level of blocking.

For FGD and BSA-D, the design blocking objective will be no greater than one percent (.01) between the point of termination at the customer's premises and the end office, whether the traffic is directly routed without an alternate route or routed via a Telephone Company access tandem. Standard traffic engineering methods as set forth in reference document Telecommunications Transmission Engineering - Volume 3 - Networks and Services (Chapters 6-7) will be used by the Telephone Company to determine the number of transmission paths required to achieve this level of blocking.

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6 Switched Access Service (Cont'd)6.4 Provision of Switched Access Service (Cont'd)(K) Design Blocking Probability (Cont'd)

For 800/877/888 Access Service provided via 500 Access Service trunk(s), 800/877/888 Access Service trunk(s), or 900 Access Service provided via 900 Access Service trunk(s) the design blocking objective will be no greater than one percent (.01) between the point of termination at the customer's premises and the first point of switching when traffic is directly routed without an alternate route. Standard traffic engineering methods will be used by the Telephone Company to determine the number of transmission paths required to achieve this level of blocking. During mass calling events, the blocking objective of no greater than one percent (.01) can not be guaranteed.

The Telephone Company will perform routine measurement functions except on FGA, FGB, BSA-A and BSA-B, to assure that an adequate number of transmission paths are in service. The Telephone Company will recommend that additional capacity (i.e., busy hour minutes of capacity or trunks) be ordered by the customer when additional paths are required to reduce the measured blocking to the designed blocking level. For the capacity ordered, the design blocking objective is assumed to have been met if the routine measurements show that the measured blocking does not exceed the threshold listed in the following tables.

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

| Number of Transmission Paths Per Trunk Group | Measured Blocking Thresholds in the Time Consistent Busy Hour for the Number of Measurements Taken Between 8:00 a.m. and 11:00 p.m. Per Trunk Group | | | |
|--|--|-------------------------------|------------------------------|-----------------------------|
| | <u>15-20 Measurements</u> | <u>11-14 Measurements</u> | <u>7-10 Measurements</u> | <u>3-6 Measurements</u> |
| 2 | .070 | .080 | .090 | .140 |
| 3 | .050 | .060 | .070 | .090 |
| 4 | .050 | .060 | .070 | .080 |
| 5-6 | .040 | .050 | .060 | .070 |
| 7 or more | .030 | .035 | .040 | .060 |

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6. Switched Access Service (Cont'd)6.4 Provision of Switched Access Service (Cont'd)(K) Design Blocking Probability (Cont'd)

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

| Number of Transmission Paths Per Trunk Group | Measured Blocking Thresholds in the Time Consistent Busy Hour for the Number of Measurements Taken Between 8:00 a.m. and 11:00 p.m. Per Trunk Group | | | |
|--|--|------------------------------|-----------------------------|----------------------------|
| | 15-20 <u>Measurements</u> | 11-14 <u>Measurements</u> | 7-10 <u>Measurements</u> | 3-6 <u>Measurements</u> |
| 2 | .070 | .080 | .090 | .140 |
| 3 | .050 | .060 | .070 | .090 |
| 4 | .050 | .060 | .070 | .080 |
| 5-6 | .040 | .050 | .060 | .070 |
| 7 or more | .030 | .035 | .040 | .060 |

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6. Switched Access Service (Cont'd)6.5 Rate Categories, Applications, and Regulations6.5.1 Rate Categories

Switched Access Service is composed of four general Rate Categories which are combined to form the foundation for measuring and rating such services. Each Rate Category is composed of certain specific rate elements which may apply to each Switched Access Service. The specific rate elements which comprise each Rate Category are as follows.

Local Transport (Described in 6.5.2 following)

- Entrance Facility
- Direct-Trunked Transport
- Tandem-Switched Transport
- Multiplexing
- Dedicated Trunk Port
- Shared Multiplexing

End Office (Described in 6.5.3 following)

- Local Switching
- Information Surcharge
- TFC Data Base Query Service
- Shared Trunk Port
- Dedicated Trunk Port

Carrier Common Line (Described in Section 3 preceding)

- Originating Element
- Terminating Element

Nonrecurring Charge (Described in 6.5.4 following).CCS7 Access Service (Described in 6.5.12 following)

- Dedicated Switched Access Line
- Dedicated Switched Access Transport
- STP Port Termination
- SS7 Transport

Switched Access Cross Connect (Described in 6.5.13 following)

Local Transport, End Office and Carrier Common Line Charges are usage based rates applied on a per access minute basis. Access minute charges are accumulated over a monthly period. The determination of access minutes is set forth in 6.5.5 following. TFC Data Base Query charges are applied on a per query basis either as basic or premium as described in 6.5.3(C).

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6. Switched Access Service (Cont'd)6.5 Rate Categories, Applications, and Regulations (Cont'd)6.5.2 Local Transport(A) Local Transport Description

Local Transport provides the transmission of Switched Access communications between the customer's premises and the originating or terminating end office(s) in the Access Area with one exception. Local Transport associated with FGA or BSA-A 1+ terminating traffic provides for the transmission of Switched Access outside the Access Area, however within the LATA. Local Transport is comprised of the following rate elements; an Entrance Facility Rate, a Direct-Trunked Transport Rate, a Tandem-Switched Transport Rate, an Interconnection Rate, a Dedicated Trunk Port Rate, and a Shared Multiplexing Rate. A Dedicated Switched Access Transport Rate is associated with CCS7 Access Service. An EIS Cross Connect rate applies where Switched Access is interconnected with customer transmission facilities in accordance with Section 17.

Where Local Transport rates are applied on a distance sensitive basis, airline mileage is calculated in accordance with the V&H coordinate method as set forth in NECA Tariff FCC No. 4. If the calculated miles result in a fraction, the value is rounded up to the next full mile.

Local Transport is a two-way voice frequency transmission path composed of facilities and equipment determined by the Telephone Company. This transmission path permits the transport of calls in the originating direction (from the end user end office to the customer's premises) and in the terminating direction (from the customer's premises to the end office), but not simultaneously. This transmission path may be comprised of any form or configuration of plant and equipment capable of and typically used in the telecommunications industry for the transmission of voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hz.

The Telephone Company will work cooperatively with the customer in determining (1) whether the service is to be directly routed to an end office or through a Telephone Company access tandem, and (2) the directionality of the service.

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6. Switched Access Service (Cont'd)6.5 Rate Categories, Applications, and Regulations (Cont'd)6.5.2 Local Transport (Cont'd)(A) Local Transport Description (Cont'd)

Where the Telephone Company elects to provide equal access via a centralized Telephone Company equal access tandem arrangement, the Telephone Company will designate the serving wire center. These locations are listed in 15.2. Direct-Trunked Transport is not provided to centralized equal access end offices and is not provided to those Telephone Company end offices that are not capable of measuring switched access minutes of use.

Switched Transport is provided at the rates and charges set forth in 6.6.

(B) Entrance Facility

The Entrance Facility Rate is assessed upon customers for the use of Telephone Company Voice Grade, DS1 and DS3 high capacity facilities, including interface arrangements, between the point of termination at the customer's premises and the Telephone Company's serving wire center. The Entrance Facility Rate is also assessed upon customers for the provisioning of Tandem Switch Signaling. The Entrance Facility is a flat-rated charge assessed per Voice Grade, DS1 or DS3 termination provided at the customer's premises. This charge will apply even if the customer designated premises and the serving wire center are co-located in a Telephone Company building. Technical descriptions of each Entrance Facility and associated interface are further described in Section 9.1. In lieu of an Entrance Facility, Switched Access may be interconnected with customer transmission facilities in accordance with Section 17.

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6. Switched Access Service (Cont'd)6.5 Rate Categories, Applications, and Regulations (Cont'd)6.5.2 Local 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 between 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 or end office and a Telephone Company Hub office 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;
- 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 office.
- a serving wire center and end office where Tandem Switch Signaling is provided as described in 6.5.3(D) and 6.5.14.

The Direct-Trunked Transport Rate is flat-rated and has both distance-sensitive and non-distance-sensitive components. In Direct Trunked arrangements the Tandem Switched Facility will use the Terminating-Tandem 3rd Party rate when a Brightspeed (BLOC) ILEC does not own the tandem. Direct-Trunked Transport is not provided to centralized equal access end offices and end offices not capable of measuring switched access usage. Centralized Access end offices and those offices not capable of measuring switched access usage are specified in NECA Tariff FCC No. 4.

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 flat-rated and is assessed per voice grade or DS1 channel terminating at an end office or access tandem. The rate is determined based on whether the trunk is voice grade or DS1.

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6. Switched Access Service (Cont'd)6.5 Rate Categories, Applications, and Regulations (Cont'd)6.5.2 Local Transport (Cont'd)(C) Direct Trunked Transport (Cont'd)

- (1) The Direct-Trunked Transport Mileage rate is applied on a monthly airline mile basis.

To determine the Direct-Trunked Transport airline mileage, the distance will be measured from the wire center that serves the customer's premises to the Telephone Company access tandem, end office, WSO (for WATS and WATS-type), or the end office that serves as the host for a remote office.

For traffic originating from or terminating to a remote office, the mileage will be calculated separately from the end office that serves as the host to the remote using the V&H coordinates method. The Direct-Trunked Transport Mileage 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 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 Telephone Company access tandem or Hub to end office.

- (2) The Direct-Trunked Transport - Fixed Rate is applied only at each end of each measured segment of the facility. When two or more customer designated premises are served by a common serving wire center (i.e., mileage is zero) the fixed rate component is not applied. The Fixed rate does not apply when the Telephone Company provides only an intermediate portion of a mileage facility and no mileage facility terminations.

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6. Switched Access Service (Cont'd)6.5 Rate Categories, Applications, and Regulations (Cont'd)6.5.2 Local Transport(D) Tandem-Switched Transport

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 a Telephone Company 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 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 Telephone Company access tandem to an end office. For examples of Tandem Switched Transport see Section 2.4.7 preceding.

Effective July 1, 2021, as established in the 8YY Access Charge Reform (FCC 20-143), existing tandem switching charges and transport charges for originating 8YY traffic are eliminated and a single joint tandem switched access service rate element for 8YY originating access service is established. The 8YY originating Joint Tandem Switched Transport rate is provided at the rates set forth in Section 6.6.1 (O) and 6.6.2 (P).

The Tandem-Switched Transport Rate includes four sub-elements, a Tandem-Switched Transport - Facility, a Tandem-Switched Transport - Termination, 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. When the Tandem Switch is a Brightspeed Local Operating Company (BLOC) owned tandem, the Tandem Switch rates will use the Terminating-Tandem End Office rates. If the Tandem is owned by a non-BLOC company the Tandem Switch rates will use the Terminating – Tandem 3rd Party rates.

- (1) The Tandem-Switched Transport - Facility rate is applied per access minute per airline mile for each Switched Access Feature Group and 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 a Telephone Company access tandem, and Tandem-Switched Transport is ordered to subtending end offices, mileage will be measured from the Telephone Company access tandem to the end office or WSO (for WATS and WATS-type).

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6. Switched Access Service (Cont'd)6.5 Rate Categories, Applications, and Regulations (Cont'd)6.5.2 Local Transport (Cont'd)(D) Tandem-Switched Transport (Cont'd)

(1) (Cont'd)

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

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 a Telephone Company access tandem, Switched Transport rates (Tandem-Switched Transport or Direct-Trunked Transport, as ordered by the customer) shall apply between the Telephone Company access tandem and the serving wire center of the customer. For Telephone Company access tandem connections, Tandem-Switched Transport Facility mileage, if applicable, will be measured from the Telephone Company access tandem to the customer's serving wire center. The Tandem Switching charge shall apply to all minutes of use where the MTSO connection is made directly to a Telephone Company access tandem.

Where Tandem-Switched Transport - Facility is provided by more than one telephone company, the mileage for each will be determined as in 2.4.7.

The Tandem-Switched Transport - Facility rate will not apply if the CDL serving wire center and the end office are co-located (where $V/H - V/H = 0$).

- (2) 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, except where the Tandem-Switched Transport Termination originates or terminates to a Class 4/5 switch.

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6. Switched Access Service (Cont'd)6.5 Rate Categories, Applications, and Regulations (Cont'd)6.5.2 Local Transport (Cont'd)(D) Tandem-Switched Transport (Cont'd)

- (2) 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 serving wire center to the host and for each termination from the host to the remote office.

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.

- (3) The Tandem Switching rate is usage-sensitive and is applied per access minute to all feature groups or BSAs for Tandem-Switched Transport with three 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, including Extended FGA and BSA-A Terminating Traffic described in 6.5.9. The Tandem Switching rate also will not apply to access minutes that originate or terminate at the end office part of a Class 4/5 switch.
- (4) 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, except when the access minute originate or terminate at the end office part of a Class 4/5 switch. The Shared Multiplexing rate recovers multiplexing costs on the end office side of the tandem.

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6. Switched Access Service (Cont'd)6.5 Rate Categories, Applications, and Regulations (Cont'd)6.5.2 Local Transport (Cont'd)(D) Tandem-Switched Transport (Cont'd)

- (5) 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 will not apply to access minutes that originate or terminate at the end office part of a Class 4/5 switch.

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.

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6. Switched Access Service (Cont'd)6.5 Rate Categories, Applications, and Regulations (Cont'd)6.5.2 Local Transport (Cont'd)(E) Reserved for Future Use(F) Multiplexing

Multiplexing provides for arrangements to convert a single higher capacity or bandwidth circuit for bulk transport to several lower capacity or bandwidth circuits. Monthly rates and nonrecurring charges for multiplexing apply as follows: 1) the DS3/DS1 Multiplexing Charge applies to all DS3 to DS1 multiplexing arrangements; 2) 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; 3) a Multiplexing Charge will always apply on High Capacity shared use switched and special access facilities.

(G) Dedicated Switched Access

The Dedicated Switched Access Transport Rate is assessed upon customers subscribing to CCS7 Access Service for the use of facilities between the customer's common channel signaling network and the Telephone Company's signaling transfer point. It is a flat rated, distance-sensitive monthly rate. This rate element is further described in 6.2.7.

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6. Switched Access Service (Cont'd)6.5 Rate Categories, Applications, and Regulations (Cont'd)6.5.2 Local Transport (Cont'd)(H) Mileage Measurement Exceptions

- (1) The Telephone Company may reconfigure its local exchange plant as required in the normal operation of its business. If such network reconfiguration results in a changed location of the IC serving wire center the Telephone Company will provide the IC with a minimum 6 months notice. The Local Transport Mileage measurement will be based upon the new serving wire center's V & H coordinates and the end office switch V & H coordinates.
- (2) For FGA and BSA-A, the Entrance Facility charge shall apply between the customer's premises and the customer's serving wire center. 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, shall apply between the dial tone office and the end office for FGA or BSA-A traffic that originates and/or terminates within the FGA or BSA-A Access Area.

For FGA and BSA-A calls terminated on an extended basis outside the FGA or BSA-A Access Area, but within the LATA, mileage in the terminating direction is also calculated on the airline distance between the FGA or BSA-A dial tone office and the end office switch where the call terminates as set forth in 6.5.9 (A) following.

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6. Switched Access Service (Cont'd)6.5 Rate Categories, Applications, and Regulations (Cont'd)6.5.2 Local Transport (Cont'd)(H) Mileage Measurement Exceptions (Cont'd)

- (3) When the Alternate Traffic Routing optional feature is provided with Feature Groups C, D, 500 Access Service, 800/877/888 Access Service, and 900 Access Service or as a BSE with BSA-B, BSA-C and BSA-D the Local Transport access minutes will be apportioned between the two trunk groups used to provide this feature. Such apportionment will be made using standard Telephone Company traffic engineering methodology and will be based on the last trunk CCS desired for the high usage group, as described in 6.3.2(N), and the total busy hour minutes of capacity ordered to the end office, when the feature is provided at an end office switch, or to the subtending end offices when the feature is provided at a Telephone Company access tandem. This apportionment will serve as the basis for Local Transport mileage calculation. For FGD and BSA-D, the apportionment will be based on the actual measured data which is recorded against the specific trunk group that carried a particular call.
- (4) When terminating FGC or BSA-C Switched Access Service is provided from multiple customer premises to an end office not equipped with measurement capabilities, the total Local Transport access minutes for that end office will be apportioned among the trunk groups accessing the end office on the basis of the individual busy hour minutes of capacity ordered for each of those trunk groups. This apportionment will serve as the basis for Local Transport mileage calculation.
- (5) The Tandem-Switched Transport - Facility rate applies to the switched access minutes of use that originate/terminate at a MTSO directly interconnected to a Telephone Company access tandem or end office. The mileage for access is calculated on an airline mile basis, using the V&H coordinate method, between the customer's SWC and the SWC of the MTSO.

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6. Switched Access Service (Cont'd)6.5 Rate Categories, Applications, and Regulations (Cont'd)6.5.2 Local Transport (Cont'd)(I) Transitional Local Transport Billing

- (1) Beginning December 1, 1993, the Telephone Company will apply Tandem-Switched Transport rates to all existing tandem-routed switched access services provided via a Telephone Company access tandem switch and Entrance Facility and Direct-Trunked Transport charges to all existing DS1 and DS3 Entrance Facility circuits and Direct-Trunked Transport circuits provided to a customer. Existing Voice Grade Entrance Facility and Direct-Trunked Transport circuits will be billed at a Voice Grade, DS1, or DS3 level, as appropriate, based on the number of equivalent DS1 or DS3 circuits.
- (2) For the period beginning December 1, 1993 through February 28, 1994, the Telephone Company will bill Local Transport charges applicable to host/remote -configurations and Direct-Trunked Transport ordered to an access tandem in the following manner:

Where switched access traffic originates and/or terminates from/to a remote end office using Tandem-Switched Transport facilities, airline mileage will be measured between the customer's serving wire center and the remote end office for purposes of applying Tandem-Switched Transport Facility charges.

This rating is in lieu of the rate application specified in Section 6.5.2(D).

Direct-Trunked Transport provided from a serving wire center directly to a Telephone Company access tandem will be assessed Tandem-Switched Transport charges. Tandem-Switched Transport mileage will be measured from the serving wire center to the end office(s) where the customer's switched access traffic originates and/or terminates.

This rating is in lieu of the charges specified in Section 6.5.2(C).

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6. Switched Access Service (Cont'd)6.5 Rate Categories, Applications, and Regulations (Cont'd)6.5.3 End Office

The End Office rate category provides the local end office switching and end user termination functions necessary to complete the transmission of Switched Access communications to and from the end users served by the local end office. The End Office Rate category includes the Local Switching, Information Surcharge and Shared Trunk Port and Dedicated Trunk Port rate elements.

End Office rates (Local Switching Information Surcharge and Shared Trunk Port) do not apply to switched access minutes of use that originate or terminate at a Mobile Telephone Switching Office (MTSO) directly interconnected to a Telephone Company access tandem office.

(A) Local Switching

The Local Switching rate element provides for the use of end office switching equipment, the termination of end user common lines at the local end office, and the termination of calls at a Telephone Company intercept operator or recording. The intercept operator or recording tells a caller why a call could not be completed and, if possible, provides the correct number.

Where end offices are appropriately equipped, international dialing may be provided. International dialing provides the capability of switching international calls with service prefix and address codes having more digits than are capable of being switched through a standard FGC, FGD, BSA-C or BSA-D equipped end office.

Local Switching is available on a bundled or unbundled basis. Local Switching - Bundled (EOSB) rates apply to Switched Access services provided as Feature Groups. Local Switching - Unbundled (EOSU) rates apply to Switched Access services provided as Basic Serving Arrangements.

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6. Switched Access Service (Cont'd)6.5 Rate Categories, Applications, and Regulations (Cont'd)6.5.3 End Office (Cont'd)(B) Information Surcharge

Information Surcharge rates are assessed to a customer based on the total number of access minutes. Information Surcharge rates are set forth in 6.6 following. The application of these rates with respect to individual Switched Access Arrangements is set forth in 6.5.6.

(C) Toll Free Code (TFC) Data Base Query Service

Query usage charges for TFC Data Base Query Service shown in 6.2.10(D) apply as follows:

- (1) A Basic TFC Data Base Query charge will apply for each basic TFC call query completed at the Telephone Company's TFC data base. Per query charges are accumulated over a monthly period and billed to the customer on a monthly basis.
- (2) A Premium TFC Data Base Query charge will apply for each premium TFC call query completed at the Telephone Company's TFC data base. Per query charges are accumulated over a monthly period and billed to the customer on a monthly basis.

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6. Switched Access Service (Cont'd)6.5 Rate Categories, Applications, and Regulations (Cont'd)6.5.3 End Office (Cont'd)(D) Tandem Switch Signaling

Tandem Switch Signaling, offered in conjunction with FGD and BSA-D Switched Access, 500 SAC Access Service, or 900 SAC Access Service with either multifrequency address signaling or SS7 Out of Band Signaling Access Service, provides the carrier identification code (CIC) and the OZZ code or circuit code as described in 6.3.2(AA) to determine the customer and trunk group(s) where traffic will be routed.

Rate regulations applicable to Tandem Switch Signaling are found in 6.5.14.

(E) Shared Trunk Port

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 switched access minutes of use that originate or terminate at MTSOs directly interconnected to a Telephone Company access tandem.

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6. Switched Access Service (Cont'd)6.5 Rate Categories, Applications, and Regulations (Cont'd)6.5.4 Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for specific work activities in conjunction with providing switched access service or a change to an existing Switched Access Arrangement.

(A) Switched Access Installation

(1) Service Installation Charge

For Entrance Facilities, this charge applies to customer requests for installation of Switched Access Entrance Facilities from the customer premises to the serving wire center. The Service Installation Charge applies on a per Entrance Facility basis and is dependent upon the type of Entrance Facility ordered (i.e., Voice Grade, DS1 or DS3). 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.

For multiplexing, this charge applies per multiplexing arrangement ordered and is dependent upon the type of multiplexing performed.

The Service Installation Charge does not apply to CCS7 Access service installations. Nonrecurring Charges applicable to CCS7 Access services are described in 6.5.4.

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6. Switched Access Service (Cont'd)6.5 Rate Categories, Applications, and Regulations (Cont'd)6.5.4 Nonrecurring Charges (Cont'd)(A) Switched Access Installation

(2) Reserved for Future Use

(3) 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 over provisioned trunks between the Tandem Switch and the SWC. Waiver of these NRCs continues through December 31, 1998.

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6. Switched Access Service (Cont'd)6.5 Rate Categories, Applications, and Regulations (Cont'd)6.5.4 Nonrecurring Charges (Cont'd)(B) Administrative Changes

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

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

(C) Moves

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

- The point of termination at the customer's premises
- The customer's premises

The charges for the move are dependent on whether the move is to a new location within the same building or to a different building.

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6. Switched Access Service (Cont'd)6.5 Rate Categories, Applications, and Regulations (Cont'd)6.5.4 Nonrecurring Charges (Cont'd)(C) Moves (Cont'd)(1) Moves Within the Same Building

When the move is to a new location within the same building, the Telephone Company shall be responsible for the physical relocation of the Point of Termination and any associated Network Terminating Wire as outlined in applicable Telephone Company operating practices. The charge for the move except for moves within a wire center to an EIS as described in Section 17, will be the Switched Access Ordering Charge as set forth in (A)(1) preceding. There will be no change in the minimum period requirements.

(2) Moves to a Different Building

Moves to a different building and moves of the point of termination within a wire center to an EIS as described in Section 17, will be treated as a discontinuance and start of service and the Telephone Company shall provide a physical Point of Termination and any necessary Network Terminating Wire located at the new building as outlined in applicable Telephone Company operating practices. All associated nonrecurring charges will apply per service. New minimum period requirements will be established for the new service. The customer will also remain responsible for satisfying all outstanding minimum period charges for the discontinued service.

(D) NXX Translation Nonrecurring Charge

The NXX Translation Nonrecurring Charge, as set forth in 6.6, shall apply to each 500 or 900 NXX code activated or deactivated in a Telephone Company switch capable of performing the customer identification function for 500 Access Service or 900 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 Access Ordering Charge, as set forth in 5.3.1(B) will apply per ASR submitted for the activation or deactivation of NXX codes.

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6. Switched Access Service (Cont'd)6.5 Rate Categories, Applications, and Regulations (Cont'd)6.5.4 Nonrecurring Charges (Cont'd)(E) Change of Feature Group or BSA Type

Changes from one type of Feature Group or BSA to another will be treated as a discontinuance of one type of service and a start of another and new minimum period obligations will be established. Nonrecurring charges will apply, with one exception.

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 Ordering Charge will not apply for a period of 180 days' ending May 28, 1996.

When a customer upgrades a FGA, FGB, BSA-A or BSA-B service to a FGD or BSA-D service, and when FGC or BSA-C is upgraded to FGD or BSA-D coincident with the availability of FGD or BSA-D in an end office the nonrecurring charge will not apply and minimum period obligations will not change if the following conditions are met:

- (1) The same customer premises is maintained, and
- (2) The customer submits a disconnect order for FGA, FGB, BSA-A or BSA-B within 30 days after the customer is notified by the Telephone Company as to the results of the final Presubscription allocation of end users to the customer. Further, the customer must request an effective date for the disconnect orders within 60 days after the Telephone Company has notified the customer of the results of the final Presubscription allocation.

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6. Switched Access Service (Cont'd)

6.5 Rate Categories, Applications, and Regulations (Cont'd)

6.5.4 Nonrecurring Charges (Cont'd)

(F) Signaling System 7 (SS7) Out of Band Signaling

- (1) The Switched Access Ordering Charge will apply for a change in FGD or BSA-D switched access and 800/877/888 Access signaling from multifrequency address signaling to SS7 Out of Band Signaling except as specified in 6.5.4(F)(1).

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6. Switched Access Service (Cont'd)6.5 Rate Categories, Applications, and Regulations (Cont'd)6.5.5 Determination of Access Minutes(A) Measurement and Determination of Access Minutes

Customer traffic to end offices will be measured (i.e., recorded) by the Telephone Company at end offices or Telephone Company access tandems. Originating and terminating calls will be measured by the Telephone Company, as set forth in (B) through (F) to determine the basis for computing chargeable access minutes. 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. The Customer's facilities shall provide the necessary on-hook, off-hook, answer and disconnect supervision.

For terminating calls over FGA, FGB, FGC, BSA-A, BSA-B, BSA-C to 500, TFC, or 900, and FGD or BSA-D, and for originating calls over FGA, FGB, FGD, BSA-A, BSA-B, BSA-D and 500 Access Service, TFC Access Service or 900 Access Service from equal access offices, the measured minutes are the chargeable access minutes. For originating calls over FGC or BSA-C and 500 Access Service, TFC Access Service and 900 Access Service from non-equal access offices, chargeable originating access minutes are derived from recorded minutes as set forth in (D). When assumed minutes are used, the assumed minutes are the chargeable access minutes as set forth in (G). When mixed interstate and intrastate Switched Access Service is provided the percent of interstate usage is determined as set forth in (H).

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

For FGA and BSA-A access minutes or fractions thereof, the exact value of the fraction being a function of the switch technology where the measurement is made, are accumulated over the billing period of each line or hunt group, and are then rounded up to the nearest access minute for each line or hunt group.

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6. Switched Access Service (Cont'd)6.5 Rate Categories, Applications, and Regulations (Cont'd)6.5.5 Determination of Access Minutes (Cont'd)(B) Feature Group A and BSA-A Usage Measurement

For originating calls over FGA and BSA-A, usage measurement begins upon acknowledgment from the customer.

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

For terminating calls over FGA or BSA-A, usage measurement begins when the terminating FGA or BSA-A entry switch receives an off-hook supervisory signal from the terminating end user's end office, indicating the terminating end user has answered.

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

(C) Feature Group B and BSA-B Usage Measurement

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

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6. Switched Access Service (Cont'd)6.5 Rate Categories, Applications, and Regulations (Cont'd)6.5.5 Determination of Access Minutes (Cont'd)(C) Feature Group B and BSA-B Usage Measurement (Cont'd)

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

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

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

(D) Feature Group C and BSA-C Usage Measurement

For originating calls over FGC and BSA-C, usage measurement begins when the originating FGC or BSA-C entry switch receives answer supervision from the customer's point of termination, indicating the called party has answered.

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

For originating calls over FGC and BSA-C, chargeable access minutes are calculated as follows.

Step 1: Obtain recorded originating minutes and messages from the appropriate recording data.

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Step 2: Obtain the total attempts by dividing the originating measured messages by the completion ratio. Completion ratios (CR) are obtained separately for the major call categories such as DDD, operator, 500, 800, 888, 900, directory assistance and international from a sample study which analyzes the ultimate completion status of the total attempts which receive acknowledgment from the customer. That is, Measured Messages divided by Completion Ratio equals Total Attempts.

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

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

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

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

$$(1) \quad \text{Total Attempts} = \frac{1,000(\text{M Mes})}{.75 (\text{CR})} = 1,333.33$$

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

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

For terminating calls over FGC and BSA-C to services other than 500, 800, 888, 900 or Directory Assistance, terminating FGC or BSA-C usage is not directly measured at the terminating entry switch, but is imputed from the originating service usage, excluding usage from calls to 500, 800, 888, 900 or Directory Assistance Services.

For terminating calls over FGC or BSA-C to 500, 800, 888 or 900 Service, usage measurement begins when the terminating FGC or BSA-C entry switch receives answer supervision from the terminating end user's end office, indicating the terminating 800, 888 or 900 Service end user has answered.

The measurement of terminating call usage over FGC or BSA-C to 500, 800, 888 or 900 Service ends when the terminating FGC or BSA-C entry switch receives an off-hook supervisory signal from the terminating end user's end office, indicating the terminating 500, 800, 888 or 900 Service end user has disconnected, or from the customer's point of termination, whichever is recognized first by the entry switch.

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For originating calls over FGD and BSA-D with multifrequency (MF) signaling, usage measurement begins when the originating FGD or BSA-D entry switch receives the first wink supervisory signal forwarded from the customer's point of termination.

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

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

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

For terminating calls over FGD and BSA-D with MF signaling, or FGD and BSA-D with SS7 Out of Band Signaling, usage measurement begins when the terminating FGD or BSA-D entry switch receives answer supervision from the terminating end user's end office, indicating the terminating end user has answered.

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

The measurement of terminating call usage over FGD and 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.

(2) FGD and BSA-D Switched Access Service With 950-XXXX

When a customer orders FGD or BSA-D Switched Access Service with 950-XXXX Access, as described in 6.3.2(AB), 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.

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For originating calls over 500, TFC and 900 Access Service with MF Signaling, usage measurement begins when the originating 500, TFC or 900 Access Service entry switch receives answer supervision from the customer's point of termination, indicating the called party has answered.

For originating calls over 500, TFC and 900 Access Service using SS7 Out of Band Signaling, usage measurement for direct trunks begins when the first point of switching sends an Initial Address Message. Usage measurement for tandem trunks begins when the first point of switching receives an Exit Message.

The measurement of originating call usage over 500, TFC and 900 Access Service with MF Signaling ends when the originating 500, TFC or 900 Access Service entry switch receives disconnect supervision from either the originating end user's end office, indicating the originating end user has disconnected, or the customer's point of termination, whichever is recognized first by the entry switch.

The measurement of originating call usage over 500, TFC and 900 Access Service with SS7 Out of Band Signaling ends when a Release Message is sent or received by the originating end user's end office, whichever occurs first.

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6. Switched Access Service (Cont'd)6.5 Rate Categories, Applications, and Regulations (Cont'd)6.5.5 Determination of Access Minutes (Cont'd)(G) Assumed Minutes of Use

Assumed minutes are used where measurement capability does not exist for FGA, FGB, BSA-A or BSA-B services and are applied on a per line or per trunk basis, as appropriate. The application of assumed minutes of use for FGA, FGB, BSA-A and BSA-B is set forth in (1) and (2) following.

- (1) Where originating and terminating measurement capability does not exist for a FGA or BSA-A service arranged for two way calling, the number of assumed access minutes as set forth under the 2-Way total in 6.6 following will apply per line. Where measurement capability exists for either originating or terminating usage, but not both, on a line arranged for two way calling, the number of access minutes per line will be the number of assumed access minutes as set forth under the "2-Way" total in 6.6 following or the measured usage, whichever is greater.

Where a FGA or BSA-A service is arranged for either originating calling only or terminating calling only, the number of assumed access minutes as set forth under "Originating" or Terminating" in 6.6 following, as appropriate, will apply per line.

Where measurement capability does not exist for FGA or BSA-A service, the originating and/or terminating CCL rate as set forth in Section 3.7 preceding will be applied based on the directionality of the line, (i.e., originating or terminating). For lines arranged for two-way calling, other than those arranged for foreign exchange service, 53% of the "two-way" surrogate will be used to apply the originating CCL rate and 47% of the "two-way" surrogate will be used to apply the terminating CCL rate. For FGA or BSA-A service arranged to provide a foreign exchange service, the terminating CCL rate shall apply to all originating and terminating assumed minutes of use.

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6. Switched Access Service (Cont'd)6.5 Rate Categories, Applications, and Regulations (Cont'd)6.5.5 Determination of Access Minutes (Cont'd)(G) Assumed Minutes of Use (Cont'd)

- (2) Where originating and terminating measurement capability does not exist for FGB or BSA-B service provided to an end office or Telephone Company access tandem, the number of access minutes will be the "2-Way" assumed minutes of use as set forth in 6.6, per trunk per month when the trunk is arranged for two way calling. Where measurement capability exists for either originating or terminating usage, but not both, on a trunk arranged for two way calling, the number of access minutes per trunk per month will be the "2-Way" assumed minutes of use or the measured usage whichever is greater.

Where a FGB or BSA-B service is arranged for either originating calling only or terminating calling only, the "Originating Only," or, "Terminating Only" assumed minutes of use, as set forth in 6.6, will apply per trunk per month for trunks arranged for originating calling only or terminating calling only.

Where originating or terminating measurement capability does not exist for FGB or BSA-B service provided to a Telephone Company access tandem, the number of assumed access minutes will be allocated to each subtending end office for the purposes of applying Local Transport charges. This usage allocation will be based on the ratio of the number of subscriber lines in each end office to the total number of subscriber lines in the FGB or BSA-B Access Area.

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6. Switched Access Service (Cont'd)6.5 Rate Categories, Applications, and Regulations (Cont'd)6.5.5 Determination of Access Minutes (Cont'd)(H) Jurisdictional Determination

When mixed interstate and intrastate Switched Access Service is provided, all charges (i.e., non-recurring, monthly, and/or usage) except for the Cross Connect element for EIS, will be pro-rated between interstate and intrastate jurisdictions as set forth in (1) following. The customer shall provide, in its order for service, the projected percentage of interstate usage for Switched Access Services as set forth in (1), (2) and (3) following.

The percentage of an Access Service to be charged as Interstate is applied in the following manner:

For monthly and non-recurring chargeable rate elements, except the Cross Connect element, multiply the percentage interstate use times the quantity of each chargeable element times the stated tariff rate per element.

For usage sensitive (i.e., access minutes and calls) chargeable rate elements, multiply the percentage interstate use times actual use (i.e., measured or Telephone Company assumed average use) times the stated tariff rate.

The jurisdiction of the Switched Access Cross Connect Arrangement will be determined in the same manner as the jurisdiction is determined for Special Access services as described in Section 7.1.9.

- (1) For purposes of determining the jurisdiction of Switched Access traffic, once the Switched Access service is activated, the following criteria will apply:

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 following.

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6. Switched Access Service (Cont'd)6.5 Rate Categories, Applications, and Regulations (Cont'd)6.5.5 Determination of Access Minutes (Cont'd)(H) Jurisdictional Determination (Cont'd)

- (2) To determine the jurisdiction of FGA, FGB, BSA-A and BSA-B Switched Access traffic and that traffic placed on a 1+ basis in conjunction with FGA and BSA-A, the following criteria will apply:
 - (a) 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.
 - (b) 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.
- (3) When a customer submits an order for Switched Access services the customer must state the Percentage of Interstate Usage (PIU) on a statewide, LATA, billing account number (BAN) or end office level as follows:
 - (a) For FGA, FGB, FGC, FGD, BSA-A, BSA-B, BSA-C, BSA-D, 500, 800, 888 and 900 End Office services, the PIU will be applied to the appropriate Carrier Common Line, End Office Switching, Information Surcharge, Interconnection Charge, and, if applicable, Tandem Switched Transport and Tandem Switching minutes of use.
 - (b) A PIU may be provided for each Entrance Facility and a separate PIU may 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 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 elements may be provided at the option of the customer if such PIU is representative of the actual interstate use of the service.

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6. Switched Access Service (Cont'd)6.5 Rate Categories, Applications, and Regulations (Cont'd)6.5.5 Determination of Access Minutes (Cont'd)(H) Jurisdictional Determination (Cont'd)

(3) (Cont'd)

(c) 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 customer will provide quarterly reports indicating the percent of total Switched Access usage that is interstate and intrastate. The reports may aggregate usage at a statewide, LATA, BAN (Billing Account Number) or end office level.

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.

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 on 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.

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.

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6. Switched Access Service (Cont'd)6.5 Rate Categories, Applications, and Regulations (Cont'd)6.5.5 Determination of Access Minutes (Cont'd)(H) Jurisdictional Determination (Cont'd)

(4) (Cont'd)

In those situations where a PIU for application to Entrance Facility or Direct-Trunked Transport charges has not been provided with a quarterly update and is therefore not available, GTE will apply a current PIU factor 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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6. Switched Access Service (Cont'd)6.5 Rate Categories, Applications, and Regulations (Cont'd)6.5.6 Determination of Rates

(A) Rates are applied to switched access service elements.

(1) The following rules provide the basis for applying the rates and charges:

(a) Rates apply to all:

(b) FGC, FGD, BSA-C and BSA-D access minutes,

FGA, FGB, BSA-A and BSA-B access minutes that originate from or terminate at end offices or entry switches equipped with equal access (i.e., FGD or BSA-D) capabilities, except those end offices subtending a centralized Telephone Company equal access tandem where the use of a 101XXXX access code is not available,

(c) 500, TFC and 900 access minutes that originate from end offices equipped with equal access (i.e., FGD or BSA-D) capabilities,

(d) all originating and terminating access minutes where the service is provided to AT&T, and

(e) all switched access minutes of use that originate or terminate at a Mobile Telephone Switching Office (MTSO) directly interconnected to a Telephone Company access tandem office or to an equal access type end office.

Where originating and/or terminating measurement capability does not exist for FGA, FGB, BSA-A or BSA-B provided to an entry switch, the number of access minutes that will be assumed are as set forth in Section 6.6.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.5 Rate Categories, Applications, and Regulations (Cont'd)

6.5.7 Minimum Periods and Charges

(A) Minimum Periods

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

(B) Minimum Monthly Charge

Switched Access Service is subject to a minimum monthly charge. The minimum charge applies for the total capacity of service provided.

For all Switched Access Arrangements, the minimum monthly charge is the sum of the Local Switching, Local Transport and Information Surcharge charges set forth in 6.6 for the measured or assumed usage for the month.

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6. Switched Access Service (Cont'd)6.5 Rate Categories, Applications, and Regulations (Cont'd)6.5.8 Application of Rates for FGA and BSA-A Extension Service

When a FGA or BSA-A extension service is provided with additional terminations of the service at different building(s) in the same or a different Local Serving Area, the FGA or BSA-A extensions within the Local Serving Area are provided and charged for under the Telephone Company's local and/or general exchange service tariffs, and the FGA or BSA-A extensions in different Local Serving Areas are provided and charged for as Special Access Service. The applicable rate elements which may apply are: A Voice Grade Circuit Termination, Circuit Mileage, and Signaling Capability (optional features and functions). All appropriate monthly rates and nonrecurring charges set forth in 7.5.5 following will apply.

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6. Switched Access Service (Cont'd)6.5 Rate Categories, Applications, and Regulations (Cont'd)6.5.9 Application of Rates for Extended FGA and BSA-A Terminating Service

(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 LATA, 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 Local Switching and the Information Surcharge.
- for each access minute, the Tandem-Switched Transport Facility rate per access minute per airline mile and the Tandem-Switched Transport-Termination per access minute per termination.

When the serving wire center of the customer's premises 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 customer's premises to the end office.

When the serving wire center of the customer's premises is not the dial tone office, the Direct-Trunked Transport rate is applicable for mileage measured between the serving wire center of the customer's premises 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.

Where the FGA or BSA-A call terminates at an end office equipped with Equal Access, premium usage rates apply. Where the FGA or BSA-A call terminates at an end office not equipped with Equal Access, non-premium usage rates apply.

- (B) When FGA or BSA-A terminating traffic is extended outside the LATA, Switched Access rate elements will be billed to the FGA or BSA-A customer for the terminating interLATA access function provided via the FGA or BSA-A connection, and Switched Access rate elements will be billed to the IC providing the interLATA service to the FGA or BSA-A customer for the originating interLATA access function.
- (C) Rates for FGA and BSA-A calls terminated to NXXs outside the FGA or BSA-A Access Area as set forth in the preceding paragraphs are in addition to the applicable FGA and BSA-A rates charged within the FGA or BSA-A Access Area for each such call.

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6. Switched Access Service (Cont'd)6.5 Rate Categories, Applications, and Regulations (Cont'd)6.5.10 Network Blocking Charge for Feature Group D and BSA-D

In the event that a customer's FGD or BSA-D trunk group blocking threshold stated below is exceeded, the customer will be notified by the Telephone Company to increase its capacity (busy hour minutes of capacity or quantities of trunks) when excessive trunk group blocking occurs on groups carrying FGD or BSA-D traffic and the measured access minutes for that hour exceed the capacity purchased. The blocking thresholds are predicted on time consistent, hourly measurements over a 30 day period excluding Saturdays, Sundays and national holidays. If the order for additional capacity has not been received by the Telephone Company within 15 days of the notification, the Telephone Company will bill the customer, at the rate set forth in 6.5.8, for each overflow in excess of the blocking threshold when (1) the average "30 day period" overflow exceeds the threshold level for any particular hour and (2) the "30 day period" measured average originating or two-way usage for the same clock hour exceeds the capacity ordered.

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 greater | .030 | .020 |

The 1% blocking threshold is for transmission paths carrying traffic direct (without an alternate route) between an end office and a customer's premises. The 1/2% blocking threshold is for transmission paths carrying first routed traffic between an end office and a customer's premises via a Telephone Company access tandem.

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6. Switched Access Service (Cont'd)6.5 Rate Categories, Applications, and Regulations (Cont'd)6.5.11 Shared Use Facilities

When a Special Access service and Switched Access service is provided over the same Wideband Analog or High Capacity facility through a common interface, the facility will be considered as part of the Special Access Service, and will be ordered, provided, and rated as set forth in 7.2.5 following.

Switched Access Service rates and charges will apply for each channel of the shared use facility that is used to provide a switched access service.

6.5.12 CCS7 Access Service

CCS7 Access Service as described in 6.2.7, connecting a customer's STPs to Telephone Company STPs, requires four STP Port Terminations and four Dedicated Switched Access Facilities. CCS7 Access Service connecting customer Signaling or Service Switching Points to Telephone Company STPs requires two STP Port Terminations and two Dedicated Switched Access facilities.

(A) Dedicated Switched Access

Dedicated Switched Access is composed of two rate elements: Dedicated Switched Access Line (DSAL) and Dedicated Switched Access Transport (DSAT). The DSAL has a nonrecurring charge and monthly recurring charge. The DSAT has only a monthly recurring charge and is charged for on a per airline mile basis.

(B) STP Port Terminations

The STP Port Terminations are charged both a nonrecurring charge and monthly recurring rate.

When a new mated RSTP/STP pair partially or fully replaces an existing mated RSTP/STP pair; Switched Access Ordering charges, DSAL nonrecurring charges, and RSTP/STP Port Termination charges will not apply to service rearrangements to discontinue Dedicated Switched Access connections at the existing pair and reestablish Dedicated Switched Access connections at the new mated RSTP/STP pair.

(C) SS7 Transport

SS7 Transport is not provided in Alabama and Missouri.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.5 Rate Categories, Applications, and Regulations (Cont'd)6.5.13 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 DS0 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 6.6.3

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6. Switched Access Service (Cont'd)6.5 Rate Categories, Applications, and Regulations (Cont'd)6.5.14 Tandem Switch Signaling (TSS)

TSS will be provided via FGD or BSA-D Switched Access, 500 SAC Access, or 900 SAC Access services 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 and/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 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 7.

- For originating usage the owner of the carrier identification code will be billed for all usage.
- For terminating usage all associated Switched Access 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 electronic transmission as specified by the Telephone Company.

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6. Switched Access Service (Cont'd)6.5 Rate Categories, Applications, and Regulations (Cont'd)6.5.14 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 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 days' 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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6. Switched Access Service (Cont'd)6.5 Rate Categories, Applications, and Regulations (Cont'd)6.5.15 Basic Service Elements (BSEs)

Recurring rates and charges for Basic Service Elements (BSEs) in 6.2.14 are applied as discussed in 6.5.6. The ASR Ordering Charge will not apply when a customer orders BSEs in conjunction with the establishment of a Basic Serving Arrangement (BSA) or the conversion of a feature group to a BSA. The ASR Ordering Charge will apply to changes to or additions of BSEs associated with an established BSA. The application of monthly recurring charges or usage rates to BSEs are as follows.

(A) Alternate Traffic Routing - BSE

Nonrecurring charges in 6.6 apply per trunk group equipped.

(B) Automatic Number Identification (ANI) - (BSE)

Rates in 6.6 apply per ANI attempt.

(C) User Transfer - BSE

Monthly recurring charges in 6.6 apply per line arranged.

(D) Hunt Group Arrangement - BSE

Monthly recurring charges in 6.6 apply per line equipped.

(E) Queuing - BSE

Monthly recurring charges in 6.6 apply per group equipped.

(F) Uniform Call Distribution - BSE

Monthly recurring charges in 6.6 apply per line equipped.

(G) Simplified Message Desk Interface (SMDI) - BSE

Monthly recurring charges in 6.6 apply per DNAL.

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6. Switched Access Service (Cont'd)6.5 Rate Categories, Applications, and Regulations (Cont'd)6.5.15 Basic Service Elements (BSEs)(H) Remote Call Forwarding - BSE

Monthly recurring charges in 6.6 apply per line.

(I) Direct Inward Dialing (DID) - BSE

Monthly recurring charges as shown in 6.6 apply.

(J) Billed Number Screening (BNS) - BSE

Monthly recurring charges in 6.6 apply per line.

(K) Answer Supervision - BSE

Monthly recurring charges as shown in 6.6 apply per line.

6.5.16 Carrier Identification Parameter (CIP)

The Carrier Identification Parameter (CIP) provides for the transmission of the Carrier Identification Code (CIC) or the access code 101XXXX to the customer with the Initial Address Message (IAM). CIP will be populated by a 4-digit CIC at the rates shown in 6.6.4. The monthly recurring rate is applicable per trunk. The nonrecurring charge is applicable per CIC, per trunk group. The nonrecurring charge has two rate levels. There is a nonrecurring charge applicable to trunk groups direct to the access tandem and a nonrecurring charge applicable to trunk groups direct to an end office.

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6. Switched Access Service (Cont'd)6.6 Switched Access Rates and Charges6.6.1 Missouri(A) Local Switching

| <u>Rate Per Access Minute</u> | | | (R) |
|-------------------------------|----------------------|--------------------|-----|
| <u>Originating</u> | <u>Originating</u> | <u>Terminating</u> | |
| <u>Toll Free</u> | <u>Non-Toll Free</u> | | |
| \$0.0000000 | \$0.0019952 | \$0.0000000 | |

(B) Dedicated Trunk Port

| <u>End Office</u> | |
|----------------------------------|------------|
| <u>Monthly Rate, Per Channel</u> | |
| <u>Voice grade</u> | <u>DS1</u> |
| \$11.24 * | \$4.20 * |

(C) Shared Trunk Port

| <u>Rate Per Access Minute</u> | | | (R) |
|-------------------------------|----------------------|--------------------|-----|
| <u>Originating</u> | <u>Originating</u> | <u>Terminating</u> | |
| <u>Toll Free</u> | <u>Non-Toll Free</u> | | |
| \$0.0000000 | \$0.0004466 | \$0.0000000 | |

(D) Entrance Facility - 2-Wire and 4-Wire Voice grade

| <u>Service</u> | <u>Entrance Facility -</u> | <u>Entrance Facility -</u> |
|------------------------------|----------------------------|----------------------------|
| <u>Installation Charge</u> | <u>2-Wire Voice grade</u> | <u>4-Wire Voice grade</u> |
| <u>Per Entrance Facility</u> | <u>Monthly Rate</u> | <u>Monthly Rate</u> |
| \$150.00 | \$19.01 | \$22.81 |

- * The End Office Dedicated Trunk Port rate was calculated based upon a 50/50 split between originating and terminating traffic using this flat-rated port. The FCC in their FCC 11-161 ICC Transformation order in section 51.907(d)(1) allowed Price Cap Carriers to use an equal split to divide the charge between originating and terminating elements. The terminating portion of the rate was reduced and then combined with the originating portion of the rate for a single flat rate. The Originating portion of the Voicegrade charge is \$11.24; the Originating portion of the DS1 charge is \$4.20.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)6.6 Switched Access Rates and Charges (Cont'd)6.6.1 Missouri (Cont'd)(E) Entrance Facility - DS1

| <u>Service</u> <u>Installation Charge</u> <u>Per Entrance Facility</u> | <u>Entrance Facility - DS1</u> <u>Monthly Rate</u> |
|--|---|
| \$450.00 | \$190.66 |

(F) Entrance Facility - DS3

| <u>Service</u> <u>Installation Charge</u> <u>Per Entrance Facility</u> | <u>Entrance Facility - DS3</u> <u>Monthly Rate</u> |
|--|---|
| \$1,000.00 | \$2,555.00 |

(G) Direct-Trunked Transport – Voice grade

| <u>Direct-Trunked Transport - Mileage</u> <u>Voice grade Per Mile, Per Month</u> | <u>Direct-Trunked Transport - Fixed</u> <u>Voice grade Per Facility</u> |
|---|--|
| \$1.25 | \$7.83 |

(H) Direct-Trunked Transport - DS1

| <u>Direct-Trunked Transport - Mileage</u> <u>DS1 Per Mile, Per Month</u> | <u>Direct-Trunked Transport - Fixed</u> <u>DS1 Per Facility</u> |
|---|--|
| \$11.75 | \$30.55 |

(I) Direct-Trunked Transport - DS3

| <u>Direct-Trunked Transport - Mileage</u> <u>DS3 Per Mile, Per Month</u> | <u>Direct-Trunked Transport - Fixed</u> <u>DS3 Per Facility</u> |
|---|--|
| \$32.95 | \$334.01 |

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1120 South Tryon St, Ste. 700
Charlotte, NC 28203

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ACCESS SERVICE

6. Switched Access Service (Cont'd)6.6 Switched Access Rates and Charges (Cont'd)6.6.1 Missouri (Cont'd)(J) Tandem Switched Dedicated Trunk Port

| Access Tandem Monthly Rate, Per Channel | |
|--|------------|
| <u>Voice grade</u> | <u>DS1</u> |
| \$17.77 | \$11.81 |

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ACCESS SERVICE

6. Switched Access Service (Cont'd)6.6 Switched Access Rates and Charges (Cont'd)6.6.1 Missouri (Cont'd)Rate per Access Minute Per Airline Mile

| | <u>Originating Non-Toll Free *</u> | <u>Terminating 3rd Party</u> | <u>Terminating End Office</u> |
|---|--|----------------------------------|-----------------------------------|
| (K) <u>Tandem-Switched Transport - Facility</u> | \$0.0000346 | \$0.0000346 | \$0.0000000 |

Rate Per Access Minute

| | <u>Originating Non-Toll Free *</u> | <u>Terminating 3rd Party</u> | <u>Terminating End Office</u> |
|--|--|----------------------------------|-----------------------------------|
| (L) <u>Tandem-Switched Transport – Termination</u> | \$0.0001430 | \$0.0001430 | \$0.0000000 |
| (M) <u>Tandem Switching Rate</u> | \$0.0014957 | \$0.0014957 | \$0.0000000 |
| (N) <u>Shared Multiplexing</u> | \$0.0000368 | \$0.0000368 | \$0.0000000 |

* Effective July 1, 2021, pursuant to FCC 20-143, separate rate elements for Toll Free and Non-Toll Free originating transport services were established. The Non-Toll Free element is displayed above. The Toll Free rate element for transport services is displayed as 8YY Joint Tandem Switched Transport in Section 6.6.1 (O), following.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)6.6 Switched Access Rates and Charges (Cont'd)6.6.1 Missouri (Cont'd)(O) 8YY Joint Tandem Switched TransportRate Per Access MinuteOriginating
Toll Free *

\$0.001

(P) Multiplexing

| <u>DS1 to Voice</u> | | <u>DS3 to DS1</u> | |
|--|-------------------------|--|-------------------------|
| <u>Service Installation Charge</u> | <u>Monthly Rate</u> | <u>Service Installation Charge</u> | <u>Monthly Rate</u> |
| \$800.00 | \$200.09 | \$400.00 | \$370.06 |

* Effective July 1, 2021, pursuant to FCC 20-143, separate rate elements for Toll Free and Non-Toll Free originating transport services were established. The Originating Toll Free rate element for transport services is displayed as 8YY Joint Tandem Switched Transport above. The Non-Toll Free element is displayed in Sections 6.6.1 (K), (L), (M) and (N) preceding.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)6.6 Switched Access Rates and Charges (Cont'd)6.6.1 Missouri (Cont'd)(Q) Miscellaneous Switched Access Rates and Charges

| | | | |
|--|-----------------|-----------------------|-----|
| TFC Data Base Query Service | <u>Premium</u> | <u>Basic</u> | (R) |
| - Per Query | \$ 0.000000 | \$ 0.0002 | |
| | <u>Per Call</u> | | |
| FGD and BSA-D Blocking Charge * | \$.005 | | |
| | <u>1st NXX</u> | <u>Each Add'l NXX</u> | |
| 900 NXX Translation | | | |
| Nonrecurring Charge | | | |
| - Per ASR/Per End Office | \$41.95 | \$6.60 | |
| 500 NXX Translation | | | |
| Nonrecurring Charge | | | |
| Per ASR/Per End Office | \$23.00 | \$12.00 | |
| <u>Basic Service Elements (BSEs)</u> | | | |
| <u>Alternate Traffic Routing – BSE *</u> | | | |
| Nonrecurring Rate Per Trunk Group Equipped | | | |
| | | \$33.55 | |
| <u>Automatic Number Identification - (ANI) – BSE *</u> | | | |
| Rate Per ANI Attempt | | \$.000070 | |

* This flat rated charge was calculated based upon a 50/50 split between originating and terminating. The FCC in their FCC 11-161 ICC Transformation Order in Section 51.907(d)(1) allowed Price Cap Carriers to use an equal split to divide the charge between originating and terminating elements. When the terminating portion of the rate is reduced and then combined with the originating portion of the rate, a single flat rate is generated for billing purposes.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)6.6 Switched Access Rates and Charges (Cont'd)6.6.1 Missouri (Cont'd)(R) Basic Service Elements (BSEs) (Cont'd)User Transfer – BSE *

| | |
|--------------------------------|--------|
| Monthly Rate Per Line Arranged | \$0.56 |
|--------------------------------|--------|

Hunt Group Arrangement – BSE *

| | |
|--------------------------------|--------|
| Monthly Rate Per Line Equipped | \$0.04 |
|--------------------------------|--------|

Queuing – BSE *

| | |
|---------------------------------|--------|
| Monthly Rate Per Group Equipped | \$2.33 |
|---------------------------------|--------|

Uniform Call Distribution – BSE *

| | |
|--------------------------------|--------|
| Monthly Rate Per Line Equipped | \$2.50 |
|--------------------------------|--------|

Simplified Message Desk Interface (SMDI) – BSE

| | |
|-----------------------|----------|
| Monthly Rate Per DNAL | \$217.30 |
|-----------------------|----------|

* This flat rated charge was calculated based upon a 50/50 split between originating and terminating. The FCC in their FCC 11-161 ICC Transformation Order in Section 51.907(d)(1) allowed Price Cap Carriers to use an equal split to divide the charge between originating and terminating elements. When the terminating portion of the rate is reduced and then combined with the originating portion of the rate, a single flat rate is generated for billing purposes.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)6.6 Switched Access Rates and Charges (Cont'd)6.6.1 Missouri (Cont'd)(R) Basic Service Elements (BSEs) (Cont'd)Remote Call Forwarding – BSE *

| | |
|-----------------------|--------|
| Monthly Rate Per Line | \$0.82 |
|-----------------------|--------|

Direct Inward Dialing (DID) – BSE *

| | |
|---------------------------|--------|
| Monthly Rate Per DID Term | \$5.95 |
|---------------------------|--------|

| | |
|--------------------------------------|--------|
| Monthly Rate Per Block of 20 Numbers | \$1.31 |
|--------------------------------------|--------|

Billed Number Screening (BNS) – BSE *

| | |
|-----------------------|--------|
| Monthly Rate Per Line | \$0.17 |
|-----------------------|--------|

Answer Supervision – BSE

| | |
|-----------------------|--------|
| Monthly Rate Per Line | \$4.75 |
|-----------------------|--------|

(S) Switched Access Assumed Minutes of Use

| | <u>Originating Only</u> | <u>Terminating Only</u> | <u>2-Way</u> |
|---------------|-------------------------|-------------------------|--------------|
| FGA and BSA-A | 2,632 | 2,859 | 6,084 |
| FGB and BSA-B | 4,952 | 4,952 | 4,952 |

* This flat rated charge was calculated based upon a 50/50 split between originating and terminating. The FCC in their FCC 11-161 ICC Transformation Order in Section 51.907(d)(1) allowed Price Cap Carriers to use an equal split to divide the charge between originating and terminating elements. When the terminating portion of the rate is reduced and then combined with the originating portion of the rate, a single flat rate is generated for billing purposes.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)6.6 Switched Access Rates and Charges (Cont'd)6.6.2 Alabama

| | | | | | |
|-----|--|--|--|--|--------------------|
| (A) | <u>Local Switching -</u> | <u>Rate Per Access Minute</u> | | | |
| | | <u>Originating Toll Free</u> | <u>Originating Non-Toll Free</u> | <u>Terminating</u> | |
| | | \$0.0000000 | \$0.0032696 | \$0.0000000 | (S)** |
| (B) | <u>Information Surcharge -</u> | <u>Rate Per 100 Access Minute</u> | | | |
| | | <u>Originating Toll Free</u> | <u>Originating Non-Toll Free</u> | <u>Terminating</u> | |
| | | \$0.0000000 | \$0.003980 | \$0.0000000 | (S)** |
| (C) | <u>Dedicated Trunk Port</u> | <u>End Office Monthly Rate, Per Channel</u> | | | |
| | | <u>Voice grade</u> | | <u>DS1</u> | |
| | | \$7.00 * | | \$4.00 * | |
| (D) | <u>Shared Trunk Port Rate Per Access Minute</u> | <u>Rate Per Access Minute</u> | | | |
| | | <u>Originating Toll Free</u> | <u>Originating Non-Toll Free</u> | <u>Terminating</u> | |
| | | \$0.0000000 | \$0.0007001 | \$0.0000000 | (R) ^(y) |
| (E) | <u>Entrance Facility - 2-Wire and 4-Wire Voice grade</u> | | | | |
| | | <u>Service Installation Charge Per Entrance Facility</u> | <u>2-Wire Voice grade Monthly Rate</u> | <u>4-Wire Voice grade Monthly Rate</u> | |
| | | \$150.00 | \$32.70 | \$49.11 | |

* The End Office Dedicated Trunk Port rate was calculated based upon a 50/50 split between originating and terminating traffic using this flat-rated port. The FCC in their FCC 11-161 ICC Transformation order in section 51.907(d)(1) allowed Price Cap Carriers to use an equal split to divide the charge between originating and terminating elements. The terminating portion of the rate was reduced and then combined with the originating portion of the rate for a single flat rate. The Originating portion of the Voicegrade charge is \$7.00; the Originating portion of the DS1 charge is \$4.00.

** This reissued material was filed under Transmittal No. 4 to become effective on July 1, 2023.

(y) Filed under authority of Special Permission No. 23-004 of the Federal Communications Commission

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ACCESS SERVICE

6. Switched Access Service (Cont'd)6.6 Switched Access Rates and Charges (Cont'd)6.6.2 Alabama (Cont'd)(F) Entrance Facility - DS1

Service
Installation Charge
Per Entrance Facility

\$450.00

Entrance Facility - DS1
Monthly Rate

\$336.50

(G) Entrance Facility - DS3

Service
Installation Charge
Per Entrance Facility

\$1,000.00

Entrance Facility - DS3
Monthly Rate

\$3,922.07

(H) Direct-Trunked Transport – Voice grade

Direct-Trunked Transport - Mileage
Voice grade Per Mile, Per Month

\$1.70

Direct-Trunked Transport - Fixed
Voice grade Per Facility

\$16.00

(I) Direct-Trunked Transport - DS1

Direct-Trunked Transport - Mileage
DS1 Per Mile, Per Month

\$14.00

Direct-Trunked Transport - Fixed
DS1 Per Facility

\$45.00

(J) Direct-Trunked Transport - DS3

Direct-Trunked Transport - Mileage
DS3 Per Mile, Per Month

\$90.10

Direct-Trunked Transport - Fixed
DS3 Per Facility

\$685.00

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ACCESS SERVICE

6. Switched Access Service (Cont'd)6.6 Switched Access Rates and Charges (Cont'd)6.6.2 Alabama (Cont'd)(K) Tandem Switched Dedicated Trunk Port

| Access Tandem Monthly Rate, Per Channel | |
|--|------------|
| <u>Voice grade</u> | <u>DS1</u> |
| \$15.81 | \$5.99 |

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ACCESS SERVICE

6. Switched Access Service (Cont'd)6.6 Switched Access Rates and Charges (Cont'd)6.6.2 Alabama (Cont'd)Rate per Access Minute Per Airline Mile

| | <u>Originating Non-Toll Free *</u> | <u>Terminating 3rd Party</u> | <u>Terminating End Office</u> |
|---|--|----------------------------------|-----------------------------------|
| (L) <u>Tandem-Switched Transport - Facility</u> | \$0.0000910 | \$0.0000910 | \$0.0000000 |

Rate Per Access Minute

| | <u>Originating Non-Toll Free *</u> | <u>Terminating 3rd Party</u> | <u>Terminating End Office</u> |
|--|--|----------------------------------|-----------------------------------|
| (M) <u>Tandem-Switched Transport – Termination</u> | \$0.0002845 | \$0.0002845 | \$0.0000000 |
| (N) <u>Tandem Switching Rate</u> | \$0.0000000 | \$0.0000000 | \$0.0000000 |
| (O) <u>Shared Multiplexing</u> | \$0.0001510 | \$0.0001510 | \$0.0000000 |

* Effective July 1, 2021, pursuant to FCC 20-143, separate rate elements for Toll Free and Non-Toll Free originating transport services were established. The Non-Toll Free element is displayed above. The Toll Free rate element for transport services is displayed as 8YY Joint Tandem Switched Transport in Section 6.6.2 (P), following.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)6.6 Switched Access Rates and Charges (Cont'd)6.6.2 Alabama (Cont'd)(P) 8YY Joint Tandem Switched TransportRate Per Access MinuteOriginating
Toll Free *

\$0.001

(Q) Multiplexing

| <u>DS1 to Voice</u> | | <u>DS3 to DS1</u> | |
|--|-------------------------|--|-------------------------|
| <u>Service Installation Charge</u> | <u>Monthly Rate</u> | <u>Service Installation Charge</u> | <u>Monthly Rate</u> |
| \$800.00 | \$200.00 | \$450.00 | \$490.00 |

* Effective July 1, 2021, pursuant to FCC 20-143, separate rate elements for Toll Free and Non-Toll Free originating transport services were established. The Originating Toll Free rate element for transport services is displayed as 8YY Joint Tandem Switched Transport above. The Non-Toll Free element is displayed in Sections 6.6.2 (L), (M), (N) and (O) preceding.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)6.6 Switched Access Rates and Charges (Cont'd)6.6.2 Alabama (Cont'd)(R) Miscellaneous Switched Access Rates and Charges

| <u>TFC Data Base Query Service</u> | <u>Premium</u> | <u>Basic</u> | |
|--|-----------------|-----------------------|-----|
| - Per Query | \$ 0.000000 | \$ 0.0002 | (R) |
| | <u>Per Call</u> | | |
| <u>FGD and BSA-D Blocking Charge *</u> | \$.005 | | |
| | <u>1st NXX</u> | <u>Each Add'l NXX</u> | |
| <u>900 NXX Translation Nonrecurring Charge</u> | | | |
| - Per ASR/Per End Office | \$41.60 | \$5.39 | |
| <u>500 NXX Translation Nonrecurring Charge</u> | | | |
| - Per ASR/Per End Office | \$23.00 | \$12.00 | |

(S) Basic Service Elements (BSEs)Alternate Traffic Routing – BSE *

| | |
|--|------------|
| Nonrecurring Rate Per Trunk Group Equipped | \$36.71 |
| <u>Automatic Number Identification - (ANI) – BSE *</u> | \$.0000800 |

* This flat rated charge was calculated based upon a 50/50 split between originating and terminating. The FCC in their FCC 11-161 ICC Transformation Order in Section 51.907(d)(1) allowed Price Cap Carriers to use an equal split to divide the charge between originating and terminating elements. When the terminating portion of the rate is reduced and then combined with the originating portion of the rate, a single flat rate is generated for billing purposes.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)6.6 Switched Access Rates and Charges (Cont'd)6.6.2 Alabama (Cont'd)(S) Basic Service Elements (BSEs) (Cont'd)User Transfer – BSE *

| | |
|--------------------------------|--------|
| Monthly Rate Per Line Arranged | \$0.75 |
|--------------------------------|--------|

Hunt Group Arrangement – BSE *

| | |
|--------------------------------|--------|
| Monthly Rate Per Line Equipped | \$1.50 |
|--------------------------------|--------|

Queuing – BSE *

| | |
|---------------------------------|--------|
| Monthly Rate Per Group Equipped | \$7.50 |
|---------------------------------|--------|

Uniform Call Distribution – BSE *

| | |
|--------------------------------|--------|
| Monthly Rate Per Line Equipped | \$2.64 |
|--------------------------------|--------|

Simplified Message Desk Interface (SMDI) – BSE *

| | |
|-----------------------|----------|
| Monthly Rate Per DNAL | \$114.70 |
|-----------------------|----------|

* This flat rated charge was calculated based upon a 50/50 split between originating and terminating. The FCC in their FCC 11-161 ICC Transformation Order in Section 51.907(d)(1) allowed Price Cap Carriers to use an equal split to divide the charge between originating and terminating elements. When the terminating portion of the rate is reduced and then combined with the originating portion of the rate, a single flat rate is generated for billing purposes.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)6.6 Switched Access Rates and Charges (Cont'd)6.6.2 Alabama (Cont'd)(S) Basic Service Elements (BSEs) (Cont'd)Remote Call Forwarding – BSE *

| | |
|-----------------------|---------|
| Monthly Rate Per Line | \$11.95 |
|-----------------------|---------|

Direct Inward Dialing (DID) – BSE *

| | |
|------------------------------|---|
| Monthly Rate Per DID Term | Monthly Rate Per Block of 20 Numbers |
|------------------------------|---|

\$15.75

\$6.75

Billed Number Screening (BNS) – BSE *

| | |
|-----------------------|--------|
| Monthly Rate Per Line | \$0.50 |
|-----------------------|--------|

Answer Supervision - BSE

| | |
|-----------------------|--------|
| Monthly Rate Per Line | \$7.49 |
|-----------------------|--------|

Switched Access Assumed Minutes of Use

| | <u>Originating Only</u> | <u>Terminating Only</u> | <u>2-Way</u> |
|---------------|-------------------------|-------------------------|--------------|
| FGA and BSA-A | 2,068 | 1,834 | 3,902 |
| FGB and BSA-B | 5,042 | 5,042 | 5,042 |

* This flat rated charge was calculated based upon a 50/50 split between originating and terminating. The FCC in their FCC 11-161 ICC Transformation Order in Section 51.907(d)(1) allowed Price Cap Carriers to use an equal split to divide the charge between originating and terminating elements. When the terminating portion of the rate is reduced and then combined with the originating portion of the rate, a single flat rate is generated for billing purposes.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)6.6 Switched Access Rates and Charges (Cont'd)6.6.3 Switched Access Cross Connect

| <u>Jurisdiction</u> | DS0 Monthly <u>Rate</u> | DS1 Monthly <u>Rate</u> | DS3 Monthly <u>Rate</u> |
|---------------------|-------------------------------|-------------------------------|-------------------------------|
| Missouri | \$1.86 | \$4.20 | \$27.55 |

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ACCESS SERVICE

6. Switched Access Service (Cont'd)6.6 Switched Access Rates and Charges (Cont'd)6.6.4 Carrier Identification Parameter (CIP)

| <u>Jurisdiction</u> | Non-Recurring Charge-Per CIC, Per End Office Direct Trunk <u>Group</u> | Non-Recurring Charge-Per CIC, Per Access Tandem Direct Trunk <u>Group</u> | Monthly Recurring Charge Per Trunk |
|---------------------|--|---|---|
| Alabama | \$80.00 | \$1,120.00 | \$.46 |
| Missouri | 80.00 | 1,120.00 | .46 |

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ACCESS SERVICE

6. Switched Access Service (Cont'd)6.6 Switched Access Rates and Charges (Cont'd)6.6.5 CCS7 Access Service - Dedicated Switched Access(A) 56 Kbps Digital Facilities

| <u>Jurisdiction</u> | <u>Dedicated Switched Access Transport (Per Airline Mile) Monthly Rate</u> | <u>Dedicated Switched Access Line</u> | |
|---------------------|--|---------------------------------------|---------------------|
| | | <u>Nonrecurring Charge</u> | <u>Monthly Rate</u> |
| Alabama | \$1.12 | \$100.00 | \$105.54 |
| Missouri | 2.80 | 100.00 | 123.69 |

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ACCESS SERVICE

6. Switched Access Service (Cont'd)6.6 Switched Access Rates and Charges (Cont'd)6.6.5 CCS7 Access Service - Dedicated Switched Access (Cont'd)(B) High Capacity Digital DS1 (1.544 Mbps) Facilities

| <u>Jurisdiction</u> | <u>Dedicated Switched Access Transport (Per Airline Mile) Monthly Rate</u> | <u>Dedicated Switched Access Line</u> | |
|---------------------|--|---------------------------------------|---------------------|
| | | <u>Nonrecurring Charge</u> | <u>Monthly Rate</u> |
| Alabama | \$3.35 | \$1,500.00 | \$176.06 |
| Missouri | 6.56 | 1,500.00 | 176.04 |

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ACCESS SERVICE

6. Switched Access Service (Cont'd)6.6 Switched Access Rates and Charges (Cont'd)6.6.6 CCS7 Access Service - RSTP or STP Port Termination

| <u>Jurisdiction</u> | <u>Nonrecurring Charge</u> | <u>Monthly Rate</u> |
|---------------------|--------------------------------|-------------------------|
| Alabama | \$43.55 | \$220.69 |
| Missouri | 64.00 | 225.00 |

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ACCESS SERVICE

7. Special Access Service

As of August 1, 2017, Special Access Services were changed to a competitive or non-competitive designation. Non-Competitive End-User Channel Termination (EUCT) services are filed as part of this tariff and remain under Price Cap Regulation. Other Special Access Services required to complete the circuit are outside this tariff and can be accessed at the Company's website or Company's other designated location.

Effective September 22, 2017 CenturyLink was granted authority pursuant to Section 63.71 of the Federal Communications Commission's ("Commission") rules, 47 C.F.R. § 63.71, and Section 214 of the Communications Act of 1934, as amended, 47 U.S.C. § 214, to discontinue its wholesale interstate Metallic, Telegraph, Narrowband, Wideband Analog, Wideband Digital and Analog Video services.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

The following areas are deemed non-competitive for Special Access End User Channel Terminations covered by this tariff.

| ALABAMA | | | | | |
|----------------------------|--------------------------|----------------------------|--------------------------|----------------------------|--------------------------|
| <u>Serving Wire Center</u> | <u>8-Digit CLLI Code</u> | <u>Serving Wire Center</u> | <u>8-Digit CLLI Code</u> | <u>Serving Wire Center</u> | <u>8-Digit CLLI Code</u> |
| Aliceville | ACVLALXA | Fayette | FYTTALXA | Morrison Crossroad | MRCRALXA |
| Alberta | ALBRALXA | Gordo | GORDALXA | Panola | PANLALXA |
| Ashland | ASLDALXA | Guin | GUINALXA | Pell City | PLCYALXA |
| Brilliant | BRILALXA | Hackleburg | HCBGALXA | Pine Hill | PNHLALXA |
| Berry | BRRYALXA | Heflin | HFLNALXA | Reform | RFRMALXA |
| Coffeeville | CFVLALXA | Haleyville | HLVLALXA | Thorsby | THRSALXA |
| Chulafinnee | CHLFALXA | Hamilton | HMTNALXA | Woodland | WDLDALXA |
| Carrollton | CRTNALXA | Jemison | JMSNALXA | Wadley | WDLYALXA |
| Double Springs | DBSPALXA | Lecta | LECTALXA | Wedowee | WEDWALXA |
| Delta | DELTALXA | Lincoln | LNCLALXA | Winfield | WNFDALXA |
| Ethelsville | ETVLALXA | Lineville | LNVLALXA | | |
| | | | | | |

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7. Special Access Service (Cont'd)

The following areas are deemed non-competitive for Special Access End User Channel Terminations covered by this tariff.

| MISSOURI | | | | | |
|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|
| Serving Wire Center | 8-Digit CLLI Code | Serving Wire Center | 8-Digit CLLI Code | Serving Wire Center | 8-Digit CLLI Code |
| Alton | ALTNMOXA | Galena | GALNMOXA | Preston | PSTNMOXA |
| Branson | BASNMOXA | Gainesville | GSVLMOXA | Rockaway Beach | RCBHMOXA |
| Branson | BASWMOXA | High Hill | HGHLMOXA | Reeds Spring | RDSPMOXA |
| Bradleyville | BDYLMOXA | Highlandville | HLDVMOXA | Safe | SAFEMOXA |
| Buffalo | BFLOMOXA | Hurley | HRLYMOXA | Summersville | SMVIMOX |
| Blue Eye | BLEYMOXA | Hermann | HRMNMOXA | Sparta | SPRTMOXA |
| Belle | BLLEMOXA | Hermitage | HRMTMOXA | Saint James | STJMMOX |
| Bland | BLNDMOXA | Jamestown | JMTWMOXA | Seymour | SYMRMOXA |
| Cabool | CABLMOXA | Kimberling City | KMCYMOXA | Theodosia | THDSMOXA |
| Cedarcreek | CDCKMOXA | Koshkonong | KSHKMOXA | Thomasville | THVLMOXA |
| Chamois | CHMSMOXA | Louisburg | LSBGMOXA | Thayer | THYRMOXA |
| Caulfield | CLFDMOX | Marshfield | MRFDMOX | Urbana | URBNMOXA |
| Conway | CNWYMOXA | Morrison | MRSNMOXA | Vichy | VCHYMOXA |
| Cape Fair | CPFRMOXA | Mount Sterling | MTSTMOXA | Wasola | WASLMOXA |
| Cross Timbers | CRTMMOX | Mountain View | MTVWMOXA | Willow Springs | WLSPMOXA |
| Dora | DORAMOX | Niangua | NINGMOXA | West Plains | WPLNMOXA |
| Elkland | EKLDMOX | Ozark | OZRKMOXA | Wheatland | WTLDMOX |
| Fordland | FRLDMOX | Protom | PRTMMOX | | |
| Forsyth | FRSYMOXA | Pittsburg | PSBGMOXA | | |

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7. Special Access Service (Cont'd)7.1 Provision of Special Access Service

Special Access Service provides a dedicated transmission path to connect customer designated premises*, either directly or through a Company hub where bridging or multiplexing functions are performed or to connect 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. Special Access Service may also be combined with Switched Access Services in the provision of a customer's interstate communications service (e.g., WATS, 800, 888 or WATS-type Services). Special Access Service includes all exchange access not utilizing Company central office switches.

Certain Special Access Services listed in this section of the tariff may not be currently offered in all Company locations but may be provided upon customer request, on an individual case basis, if facilities can be made available with reasonable effort. The Company will work cooperatively with the Customer to provide the service on a timely basis.

Special Access Non-Competitive End User Channel Terminations (EUCTs) purchased from the provisions of this tariff may be commingled with unbundled network elements, where available, or unbundled network element combinations, where available, purchased pursuant to the Commission's Part 51 Interconnection Rules and in compliance with the Federal Communications Commission's Report and Order and Order on Remand and Further Notice of Proposed Rulemaking in CC Docket Nos. 01-338, 96-98 and 98-147, adopted February 20, 2003 and released August 21, 2003 (FCC 03-36). Unbundled elements and commingling are not available in designated rural BRIGHTSPEED LOCAL OPERATING COMPANIES where a 251 (f) exemption is in effect.

7.1.1 Circuit Types

Following are the types of circuits used to provide Special Access Services:

- Voice Grade (VG) ^[1]
- Program Audio (AP) ^[1]
- Digital Data (DA) ^[1]
- High Capacity (HC)

These circuits can be either analog or digital. Analog circuits are differentiated by frequency spectrum and bandwidth. Digital connections are differentiated by bit rate.

* Company Centrex CO-like switches are considered to be customer premises for purposes of this tariff.

^[1] Effective February 1, 2020 Voice Grade, Program Audio and Digital Data Services are grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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7. Special Access Service (Cont'd)7.1 Provision of Special Access Service (Cont'd)7.1.1 Circuit Types (Cont'd)

Each of the preceding circuits has its own characteristics. All of the circuit types are subdivided by one or more of the following:

- Transmission specifications,
- Bandwidth,
- Speed (i.e., bit rate),
- Spectrum

The circuit descriptions set forth in this section specify the characteristics of the basic circuit and indicates whether the circuit is provided between customer designated premises or between a customer designated premises and a Company hub where bridging or multiplexing functions are performed, or between a customer designated premises and a Company WATS Serving Office.

Customers can order a basic circuit and select from a list of available technical specifications packages (customized or predefined), channel interfaces, and optional features to design a circuit which meets the Customer's specific communications needs. For purposes of ordering Non-Competitive End User Channel Terminations (EUCTs), each has been identified as a type of Special Access circuit. However, such identification is not intended to limit a customer's use of the circuit, nor to imply that a circuit is limited to a particular use.

The optional features and functions available with each type of basic circuit are included in the individual service description sections following. The optional features and functions information also indicates with which technical specifications packages they are available.

When a customized circuit is ordered, the Company may determine that Additional Engineering is required to meet the customer's request for service. The customer will be notified whether Additional Engineering charges apply and will be given an estimate of the hours to be billed before any further action is taken on the order. Additional engineering charges are determined as set forth in 8.1 following.

ACCESS SERVICE

7. Special Access Services (Cont'd)7.1 Provision of Special Access Service (Cont'd)7.1.2 Service Configurations

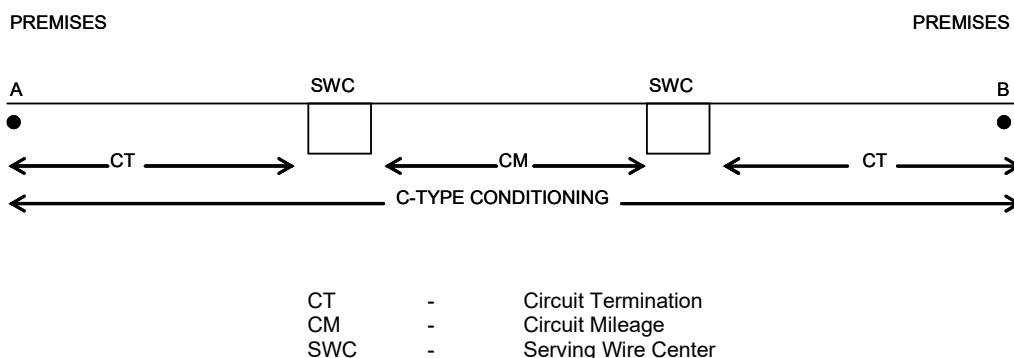
There are two types of service configurations over which Special Access Non-Competitive End User Channel Terminations (EUCTs) are provided: two-point service and multipoint service.

(A) Two-Point Service

A two-point service connects two customer designated premises, either on a directly connected basis or through a hub where multiplexing functions are performed. A Voice Grade Special Access Non-Competitive EUCT may be provided as a two-point service connecting an end user premise and a Company switch when Special Access is used in conjunction with Switched Access as set forth in 6.3.2(T) for Switched Access Interface Arrangements.

All types of Special Access Service may be provided as two-point service.

The following diagram depicts an example of a two-point Voice Grade service connecting two customer designated premises located 15 miles apart. The service is provided with the optional feature of C-Type conditioning. The rate elements found in this tariff are the EUCT services in a Serving Wire Center designated as Non-Competitive.



Applicable rate elements for the diagram above are:

- Circuit Termination (2 applicable)
- Circuit Mileage (fixed rate plus rate per airline mile between SWC)
- C-Type Conditioning Optional Feature

In addition, a Special Access Surcharge and charges for additional Optional Features and Functions may apply.

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7. Special Access Services (Cont'd)7.1 Provision of Special Access Service (Cont'd)7.1.2 Service Configurations (Cont'd)(B) Multipoint Service

Multipoint service connects three or more customer designated premises through a Company hub (i.e., bridging locations). Only certain types of Special Access Service are provided as multipoint service. These are so designated in the Service Descriptions for the appropriate circuit.

The circuit between hubs on a multipoint service is a mid-link which is not found in this tariff. 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 multi-point facilities.

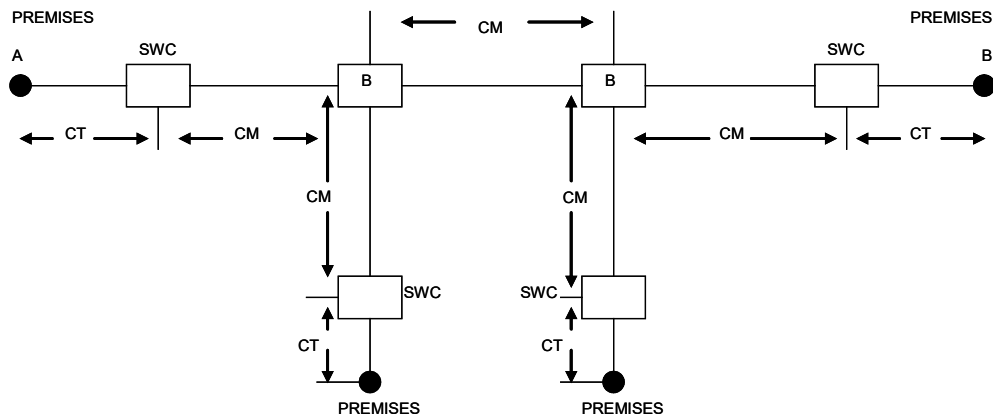
Multipoint service utilizing a customized technical specifications package, as set forth in 7.1.3, will be provided when technically possible.

.In addition, a Special Access Surcharge and Message Station Equipment Recovery Charge may apply.

ACCESS SERVICE

7. Special Access Services (Cont'd)7.1 Provision of Special Access Service (Cont'd)7.1.2 Service Configurations (Cont'd)(B) Multipoint Service (Cont'd)

The following diagram depicts an example of a Voice Grade multipoint service connecting four customer premises via two customer specified bridging hubs. The rate elements found in this tariff are the End User Channel Termination (EUCT) services in a Serving Wire Center designated as Non-Competitive.



CT - Circuit Termination
 CM - Circuit Mileage
 B - Bridging
 SWC - Serving Wire Center

Applicable rate elements in the preceding diagram are:

- Circuit Termination (4 applicable)
- Circuit Mileage (5 sections-fixed rate plus rate per mile between SWC)
- Bridging Optional Features (6 applicable, i.e., each bridge port)

In addition, the Special Access Surcharge, Message Station Equipment Recovery Charge, and charges for other Optional Features and Functions may be applicable.

ACCESS SERVICE

7. Special Access Services (Cont'd)7.1 Provision of Special Access Service (Cont'd)7.1.3 Technical Specifications Packages

Information pertaining to the technical specifications packages indicates the transmission parameters that are available with each package. This information is included in each individual service description section in 7.3 through 7.11 following, in a matrix format with the transmission parameters listed down the left side and the packages listed across the top. Each package is identified by a code, e.g., VGC. The first two letters of the code indicate the category of Special Access Service to which the parameters are applicable. These two letter codes are shown above in parentheses following the category of Special Access Service.

The letter "C" following the two letter code indicates the technical specifications package for a customized service. A numeric or alpha-numeric designation following the two letter code indicates the specific predefined package. For a customized service, the customer may select any parameters available with that category of service as long as the parameters are compatible. When appropriate, the Technical Reference which contains detailed specifications for the parameters is shown following the matrix.

All services installed after the effective date of this tariff will conform to the transmission specification standards contained in this tariff or in the following Technical References for each category of service:

| | | |
|---------------|-----|----------------|
| Voice Grade | PUB | TR-NPL-000335 |
| | PUB | 41004, Table 4 |
| Program Audio | PUB | TR-NPL-000337 |
| Digital Data | PUB | TR-NPL-000341 |
| | PUB | 62310 |
| High Capacity | PUB | TR-NPL-000342 |
| | PUB | 62411 |
| | PUB | TR-NPL-000054 |

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7. Special Access Services (Cont'd)

7.1 Provision of Special Access Service (Cont'd)

7.1.3 Technical Specifications Packages (Cont'd)

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 listed in this provision will be maintained at the performance levels specified in this tariff.

Customized technical specifications packages will be provided where technically feasible. If the Telephone Company determines that the requested parameter specifications are not compatible, the customer will be advised and given the opportunity to change the order.

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7. Special Access Service (Cont'd)7.1 Provision of Special Access Service (Cont'd)7.1.4 Channel Interfaces

Channel interfaces at each point of termination on a two-point service may be symmetrical or asymmetrical. On a multipoint service they may also be symmetrical or asymmetrical, but communications can only be provided between compatible channel interfaces. Only certain channel interfaces are compatible. These are set forth in 9 following, in a combination format.

Only certain channel interface combinations are available with the predefined technical specifications packages. These are delineated in the Technical References set forth in 7.1.3 preceding. When a customized circuit is requested, all channel interface combinations available with the specified type of service are available with the customized circuit.

7.1.5 Alternate Use

Alternate Use occurs when a service is arranged by the Company so that the customer can select different types of transmission at different times. A customer may use a service in any privately beneficial manner. However, where technical or engineering changes are required to effectuate an alternate use, the Company will make such special arrangements available on an individual case basis.

The arrangement required to transfer the service from one operation to the other (i.e., the transfer relay and control leads) will be rated and provided on an individual case basis and filed in Section 12, Specialized Service or Arrangements. The customer will pay the stated tariff rates for the Access Service rate elements for the service ordered (i.e., Non-Competitive End User Channel Terminations (EUCTs) and Optional Features and Functions [if any]).

7.1.6 Special Facilities Routing

A customer may request that the Special Access Non-Competitive EUCT used be specially routed. The regulations, rates and charges for Special Facilities Routing are as set forth in Section 11 following.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.1 Provision of Special Access Service (Cont'd)7.1.7 Design Layout Report

At the customer request, the Company will provide the make-up of the facilities and services provided under this tariff as Special Access Service to aid the customer in designing its overall service. The information will be provided to the customer at no charge in the form of a Design Layout Report and will be reissued or updated whenever the described facilities are materially changed.

7.1.8 Acceptance Testing

At the customer's request, the Company will cooperatively test, at the time of installation and at no additional charge, the following parameters:

- (A) For Voice Grade analog Non-Competitive End User Channel Terminations (EUCTs), acceptance testing will include tests for loss, 3-tone slope, DC continuity, operational signaling, C-notched noise, and C-message noise as applicable according to the order for service. Voice Grade services acceptance testing will also include a balance (improved loss) test if the customer has ordered that optional feature.
- (B) For Non-Competitive EUCTs other than Voice Grade, acceptance tests will include tests for the parameters applicable to the service as specified by the customer in the order for service.

In addition to the above tests, Additional Cooperative Acceptance Testing and Nonscheduled Testing, as described in 8.4 following, are available at the customer's request. All test results will be made available to the customer upon request.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.1 Provision of Special Access Service (Cont'd)7.1.9 Jurisdictional Determination

- (A) Special Access circuits carrying exclusively interstate traffic will be provided in accordance with the applicable rules and regulations of this tariff.

When mixed interstate and intrastate Special Access Service is provided, the jurisdiction will be determined as follows:

- (1) If the customer's estimate of the interstate traffic on the circuit involved constitutes 10% or less of the total traffic on that circuit, the circuit will be provided in accordance with the applicable rules and regulations of the appropriate intrastate tariff.
 - (2) If the customer's estimate of the interstate traffic on the circuit involved constitutes more than 10% of the total traffic on that circuit, the circuit will be provided in accordance with the applicable rules and regulations of this tariff.
- (B) If a billing dispute arises or a regulatory commission questions the reported jurisdiction, the Telephone Company will ask the customer to provide the information the customer uses to determine the jurisdiction of the circuit. The customer shall supply the information within 30 days of the Telephone Company request. The customer shall keep records of system design and functions from which the jurisdiction of its special access circuits can be ascertained. Upon request of the Telephone Company the customer shall make the records available for inspection as reasonably necessary for purposes of verification of the reported jurisdiction.
- (C) Customer certification of the jurisdiction of special access circuits is accomplished by indicating the jurisdiction of the circuit (interstate or intrastate) on the Access Service Request. Customer certification of the jurisdiction of special access circuits in place as of the effective date of these revisions shall be provided to the Telephone Company in the form of written correspondence indicating the jurisdiction of each special access circuit.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 Provision of Special Access Service (Cont'd)

7.1.9 Jurisdictional Determination (Cont'd)

- (D) Customers reporting a change in the jurisdiction of special access circuits subject to individual case basis (ICB) rates and charges set forth in this tariff will not be subject to termination liability charges unless the change results in the termination of the service.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Rate Categories, Applications and Regulations

This section contains the specific regulations governing the rates and charges that apply for Special Access Non-Competitive End User Channel Termination (EUCT).

7.2.1 Rate Categories

The following rate categories that apply to Special Access Service in this tariff are as follows:

- Non-Competitive End User Channel Terminations (EUCTs)
-
- Optional Features and Functions
- Non Recurring Charges
- Special Access Surcharge
- Special Access Cross Connect
- Term Payment Plan (TPP) - DS1
- Optional Payment Plan (OPP) - Fractional T1

These rate categories are described in Sections 7.2.1(A) through (H) following.

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7. Special Access Service (Cont'd)7.2 Rate Categories, Applications and Regulations (Cont'd)7.2.1 Rate Categories(Cont'd)(A) Non-Competitive End User Channel Termination (EUCT)

The Non-Competitive EUCT rate category provides for the communications path between a customer designated premises and the serving wire center of that premises. Included as part of the Channel Termination is a standard channel interface arrangement which defines the technical characteristics associated with the type of facilities to which the access service is to be connected at the Point of Termination (POT) and the type of signaling capability, if any. The signaling capability itself is provided as an optional feature as set forth in (C) following. One Non-Competitive EUCT charge applies per customer designated premises at which the circuit is terminated. This charge will apply even if the customer designated premises and the serving wire center are co-located in a Company building. Connection to Company provided DS1 or DS3 Non-Competitive EUCTs within a serving wire center for customers with EIS will require a Special Access Cross Connect arrangement as described in 7.2.1(F). Non-Competitive EUCT rates for DS3 High Capacity Services vary with the number of services and/or level of capacity as set forth in Section 7.2.6 following.

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7. Special Access Service (Cont'd)

7.2 Rate Categories, Applications, and Regulations (Cont'd)

7.2.1 Rate Categories (Cont'd)

(B) Reserved for Future Use

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7. Special Access Service (Cont'd)7.2 Rate Categories, Applications, and Regulations (Cont'd)7.2.1 Rate Categories (Cont'd)(C) Optional Features and Functions

Optional Features and Functions may be added to a basic circuit service to improve its quality or utility to meet the customer's specific communications requirements. These optional features and functions are identifiable with specific equipment, and represent the end result in terms of performance characteristics which may be obtained. These characteristics may be obtained by using various combinations of equipment. Although the equipment necessary to perform a specified function may be installed at various locations along the path of the service, they will be charged for a single rate element.

Descriptions for each of the available Optional Features and functions are set forth in Sections 7.3 through 7.11 following.

(D) Nonrecurring Charge

Nonrecurring charges are one-time charges that apply for installation of Special Access Non-Competitive End User Channel Terminations (EUCTs) installation of optional features and functions, and moves and service rearrangements.

(1) Installation of Service

Nonrecurring charges apply to each service installed. The nonrecurring charges for the installation of service are applied per Non-Competitive EUCT.

Two levels of charges apply for the installation of a three or twelve capacity DS3 High Capacity system as set forth in Section 7.2.6 (A) following. A nonrecurring charge applies for the first Non-Competitive EUCT ordered by the customer and a separate nonrecurring charge will apply to each additional Non-Competitive EUCT to be installed within the same three or twelve capacity system between the same customer locations. For individual noncapacity DS3 Non-Competitive EUCT, the nonrecurring charge for each installation will apply at the same rate per DS3 Non-Competitive EUCT.

Customers subscribing to the Fractional T1 OPP arrangements, at rates set forth in 7.11.5(A), will not be assessed a nonrecurring charge.

The Regulations in Section 7.2.1(D)(3) will apply to FT1 OPP customers when required for charges and other service rearrangements.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Rate Categories, Applications, and Regulations (Cont'd)7.2.1 Rate Categories (Cont'd)(D) Nonrecurring Charge (Cont'd)(2) Installation of Optional Features and Functions

Nonrecurring charges apply for the installation of some of the optional features and functions available with Special Access Non-Competitive End User Channel Terminations (EUCTs). The charge applies whether the feature or function is installed coincident with the initial installation of service or at any time subsequent to the installation of the service.

The optional features for which non-recurring charges apply are:

- Voice Grade Data Capability
- Program Audio Gain Conditioning
- Program Audio Stereo

(3) Service Rearrangements

Service rearrangements are changes to existing (installed) services which may be administrative only in nature, or that involve actual physical change to the service. Changes to pending orders are set forth in 5.3.1 preceding.

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 7.2.1(D)(4).

- (a) Administrative changes will be made without charge(s) to the customer.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Rate Categories, Applications, and Regulations (Cont'd)7.2.1 Rate Categories (Cont'd)(D) Nonrecurring Charge (Cont'd)(3) Service Rearrangements (Cont'd)

(a) (Cont'd)

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 the Special Access Non-Competitive End User Channel Termination (EUCT).
- Change of customer or customer's end user premises address when the change of address is not a result of a physical relocation of equipment,
- Change in billing data (name, address, or contact name or telephone number),
- Change of 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.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Rate Categories, Applications, and Regulations (Cont'd)7.2.1 Rate Categories (Cont'd)(D) Nonrecurring Charge (Cont'd)(3) Service Rearrangements (Cont'd)

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

- If the change involves the addition of another Non-Competitive End User Channel Termination (EUCT) to an existing two-point or multipoint service, installation charges for each location added will apply.
- If the change involves the addition of an optional feature, the installation charge associated with the optional feature will apply. When the optional feature or arrangement has no associated nonrecurring charge (or rated at \$.00), one Non-Competitive EUCT nonrecurring charge for the type of service involved (i.e., voice grade Non-Competitive EUCT, DDS Non-Competitive EUCT, etc.) will be applied to the order.
- If the change involves only changing the type of network interface, with no change in Non-Competitive EUCT, 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.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Rate Categories, Applications, and Regulations (Cont'd)7.2.1 Rate Categories (Cont'd)(D) Nonrecurring Charge (Cont'd)(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 may also be applicable at the different customer premises.

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 customer premises or to a different customer premises.

(a) Same CDL

When the move of a termination, as defined in Section 2.1.5, for special access is to a new point within the same customer premises (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.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Rate Categories, Applications, and Regulations (Cont'd)7.2.1 Rate Categories (Cont'd)(D) Nonrecurring Charge (Cont'd)(4) Moves (Cont'd)(b) Different Customer Premises

- (1) When the move is to a different customer premises (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 customer premises 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.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Rate Categories, Applications, and Regulations (Cont'd)7.2.1 Rate Categories (Cont'd)(E) Surcharge for Special Access Service(1) General

Special Access Services provided under this tariff may be subject to the monthly Special Access Surcharge.

(2) Application

The Special Access Surcharge will apply to each interstate Special Access Service that terminates on an end user's PBX or other device where, through a function of the device, the Special Access Service interconnects to the local exchange network. The Surcharge will apply irrespective of whether the interconnection function is performed in equipment located at the customer's premises or in a Centrex CO-type switch.

The monthly Special Access Surcharge applies to special access facilities on a per voice equivalent basis as shown in the following example:

| <u>Special Access Facility</u> | <u>Voice Grade Equivalent</u> | | <u>Surcharge</u> | | <u>Monthly Charge</u> |
|--------------------------------|-------------------------------|---|------------------|---|-----------------------|
| Group | 12 | x | \$25 | = | \$300.00 |
| DS1 | 24 | x | \$25 | = | \$600.00 |

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7. Special Access Service (Cont'd)7.2 Rate Categories, Applications, and Regulations (Cont'd)7.2.1 Rate Categories (Cont'd)(E) Surcharge for Special Access Service (Cont'd)(2) Application (Cont'd)

In the case of multipoint special access facilities, one Special Access Surcharge will apply for each termination of a special access circuit at an end user's premises.

The Telephone Company will bill the customer who orders the special access facility the Special Access Surcharge per installation unless the facility is exempt from the surcharge as set forth in (3) following.

(3) Exemption

The special access facility will be exempted from the monthly surcharge upon receipt of the customer's written certification for the following Special Access Service terminations:

- 1) an open-end termination in a Telephone Company switch of an FX line, including CCSA and CCSA-equivalent ONALs; or
- 2) an analog circuit termination that is used for radio or television program transmission; or
- 3) a termination used for TELEX service; or
- 4) a termination that by the nature of its operating characteristics could not make use of Telephone Company common lines such as terminations which are restricted through hardware or software; or
- 5) a termination that interconnects either directly or indirectly to the local exchange network where the usage is subject to Carrier Common Line charges, such as where the special access facility accesses only FGA and no local exchange lines, or special access facility between customer points of termination, or special access facility connecting CCSA or CCSA-type equipment (inter-machine trunks); or 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 facility to a local exchange subscriber line.

Written certification for exemption must include the reason the service is exempted from the surcharge using the categories of exemption as stated above. An ASR may be used for exemption certification, provided all information as required by this section is included. The Telephone Company will bill the surcharge to all customers who have not provided valid exemption certification.

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7. Special Access Service (Cont'd)7.2 Rate Categories, Applications, and Regulations (Cont'd)7.2.1 Rate Categories (Cont'd)(E) Surcharge for Special Access Service (Cont'd)(3) Exemption (Cont'd)

The Telephone Company will cease billing the Special Access Surcharge when certification that the Special Access facility has become exempt from the surcharge, as set forth preceding, is received. If the status of the special access facility was changed prior to the receipt of the exemption certification, the Telephone Company will credit the customer's account, not to exceed ninety days, based on the effective date of the change specified by the customer in the letter of certification.

(4) Rate Monthly Rate

Surcharge for Special
Access Service

- Applicable to all jurisdictions
of the Issuing Carriers listed
on Title Page 2.
- Per Voice Grade Equivalent

\$25.00

(F) Special Access Cross Connect for EIS

The Special Access Cross Connect charge provides the communications path between Telephone Company provided DS0 (DDS operating at 64Kbps or Fractional T1 bandwidths), DS1 or DS3 Circuit Termination or Circuit Mileage 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 via Dedicated Transport Service as set forth in Section 18.1. The Special Access Cross Connect is available as DS0, DS1 or DS3 connections. The DS0 Cross Connect can accommodate 64Kbps DDS and Fractional T1 bandwidths of 128 Kbps, 256 Kbps and 384 Kbps. The Cross Connect arrangement may be connected directly to Telephone company provided 64Kbps DDS or Fractional T1/DS0, DS1 or DS3 services or to a Telephone Company provided 64 Kbps DDS or Fractional T1/DS0, DS1, or DS3 multiplexing arrangement. The Cross Connect charge applies per DS0 (64Kbps), DS1, or DS3 connection.

Fractional T1 service can be designed to carry various DS0 combinations. Therefore, The DS0 Cross Connect charge for Fractional T1 will be assessed as follows:

128 Kbps: 2 DS0 Cross Connects
56 Kbps: 4 DS0 Cross Connects
384 Kbps: 6 DS0 Cross Connects

Rates for DS0, DS1, and DS3 Cross Connect arrangements listed in Section 7.11.5 will apply in addition to the other rates and charges as specified in Section 17.

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7. Special Access Service (Cont'd)7.2 Rate Categories, Applications and Regulations (Cont'd)7.2.1 Rate Categories (Cont'd)(G) DS1 Term Payment Plan (TPP)

Effective May 16, 2019 the following DS1 Term Payment Plan (TPP) will be grandfathered until the expiration date of the current term. Term renewals will not be offered on these plans going forward as of this effective date. Upon expiration of the current term, rates will revert to month-to-month.

The DS1 Term Payment Plan (TPP) rates for Special Access Non-Competitive End User Channel Terminations (EUCTs) subject to Section 203 of the Communications Act are filed in this tariff. Other Special Access rates included in this plan are not subject to Section 203 and are provided outside of this tariff.

(1) Description

The DS1 Term Payment Plan (TPP) allows customers term discounts for DS1 circuit termination. A customer may select this service for either a single state or multi-state level. TPP is offered for a 1, 2, 3, or 5 year service commitment period for the DS1 circuit termination. All TPP DS1 circuit terminations will be billed the same rate, depending on the length of the term selected by the customer.

(2) Rate Changes

Decreases in the TPP monthly recurring circuit termination rates will be passed on to subscribers of the plan.

(3) Commitment Levels

To initiate a TPP, on either a single state or multi-state plan, the minimum commitment is as shown below.

| Number of States | Minimum Number of Circuit Terminations |
|------------------|---|
| 1 | 25 |
| 2 | 50 |
| 3 | 75 |
| 4 | 100 |
| 5 and over | 125 |

The commitment levels will be met if the customer has the minimum number of DS1 TPP circuit terminations in service. If the customer has committed to more than the minimum number of circuit terminations required, as shown above, an allowance of minus 2% or plus 5 % will be considered as having met the commitment level.

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7. Special Access Service (Cont'd)7.2 Rate Categories, Applications and Regulations (Cont'd)7.2.1 Rate Categories (Cont'd)(G) DS1 Term Payment Plan (TPP) [1] (Cont'd)(4) Changes to Commitment Levels

Written notice must be submitted by the customer to change the commitment level of DS1 circuit terminations. If, as the result of increasing or decreasing the commitment level, service is changed from a TPP to a DS1 standard arrangement, or from a standard arrangement to a TPP arrangement an ASR will be required within 30 days for all services changed. Only one TPP arrangement will be allowed per customer for each term period. Penalties for decreasing the commitment level are discussed in 7.2.1(G)(8).

(5) TPP Plan Enrollment

When the customer elects to enroll in a TPP they must specify, in writing, the enrollment date (which will be the anniversary date) and the commitment level. The specified enrollment date must be within 30 days of receipt. The customer must also select whether the TPP will be a single state or multi-state plan and specify the states to be included. By the specified date the customer must issue ASRs to add DS1 circuit terminations to the TPP and/or convert standard arrangement to the TPP to fall within the commitment range specified in 7.2.1(G)(3).

[1] Effective May 16, 2019 the DS1 Term Payment Plan (TPP) will be grandfathered until the expiration date of the current term. Term renewals will not be offered on these plans going forward as of this effective date. Upon expiration of the current term, rates will revert to month-to-month.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Rate Categories, Applications and Regulations (Cont'd)7.2.1 Rate Categories (Cont'd)(G) DS1 Term Payment Plan (TPP) [1] (Cont'd)(6) Annual Review

Each customer's TPP will be reviewed annually. The customer will be notified in writing as to the status of the TPP. This notification will inform the customer of any TPP DS1 circuit terminations that must be converted. If the customer has increased the number of DS1 circuit terminations from the initial commitment beyond the range specified in 7.2.1(G)(3), he will have the option of increasing the commitment level for the remainder of the plan. If the customer chooses not to increase the commitment level of DS1 circuit terminations for the remaining year(s) of the plan, he must convert the increased number of DS1 circuit terminations to the standard payment plan. The DS1 circuit terminations that are converted to the standard payment plan will not be eligible for re-conversion to the TPP for a ten month period. The customer may decrease the commitment level at the time of the annual review and pay the applicable penalties for the amount of DS1 circuit terminations being decreased. The customer will have 30 days from receipt of this notification to convert DS1 circuit terminations.

If the customer does not take action during the 30 day period, the commitment level will be automatically changed to the number of TPP DS1 circuit terminations in effect at the anniversary date. Penalties will apply as set forth in 7.2.1(G)(8).

[1] Effective May 16, 2019 the DS1 Term Payment Plan (TPP) will be grandfathered until the expiration date of the current term. Term renewals will not be offered on these plans going forward as of this effective date. Upon expiration of the current term, rates will revert to month-to-month.

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7. Special Access Service (Cont'd)7.2 Rate Categories, Applications and Regulations (Cont'd)7.2.1 Rate Categories (Cont'd)(G) DS1 Term Payment Plan (TPP) [1] (Cont'd)(7) TPP Conditions

If a DS1 service has two DS1 circuit terminations, to include this service as part of a TPP, both DS1 circuit terminations must be in the TPP.

After enrolling in the plan, the customer may add or delete DS1 circuit terminations rated at the specified term period rate at any time during the plan. For example, if the customer agrees to a 2 year TPP, they may add DS1 circuit terminations at any time at the 2 year TPP rate.

Individual states can not be added or deleted during the plan period.

A customer may subscribe to only one plan for each term period within a given state.

(8) Penalties for Failing To Meet Commitment

When the number of TPP Services at the annual review is less than the acceptable commitment range, the following penalty charges will apply, based on the difference between the commitment level less 2% and the number of TPP services in effect at the annual review. For example, if the commitment level is 100 and the customer has 90 DS1 TPP circuit terminations at time of annual review, the penalties described below will be applied to the difference of 98 (2% less than 100) and 90, which would be 8 in this example.

- (a) The penalties charged during the first year of the TPP will be the full MRC for 4 months plus 10% of the MRC for the remaining number of months.
- (b) The penalties charged during the subsequent years of the TPP will be 10% of the MRC for 4 months plus 10% of the MRC for the remaining number of months.

[1] Effective May 16, 2019 the DS1 Term Payment Plan (TPP) will be grandfathered until the expiration date of the current term. Term renewals will not be offered on these plans going forward as of this effective date. Upon expiration of the current term, rates will revert to month-to-month.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Rate Categories, Applications and Regulations (Cont'd)7.2.1 Rate Categories (Cont'd)(G) DS1 Term Payment Plan (TPP) [1] Cont'd)(9) TPP Nonrecurring Charge

Customers subscribing to a TPP will be assessed a nonrecurring charge per circuit termination except in the following conditions:

- when converting standard arrangement circuit terminations to a TPP.

(10) Changes in Length of a 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 payment 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 the existing TPP 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.

[1] Effective May 16, 2019 the DS1 Term Payment Plan (TPP) will be grandfathered until the expiration date of the current term. Term renewals will not be offered on these plans going forward as of this effective date. Upon expiration of the current term, rates will revert to month-to-month.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Rate Categories, Applications and Regulations (Cont'd)7.2.1 Rate Categories (Cont'd)(G) DS1 Term Payment Plan (TPP) [1] (Cont'd)(11) Renewal Options

At the expiration of a TPP period, the customer may select a new TPP 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 one additional month of TPP billing. If the customer does not select a new payment plan within 30 days from the expiration date, billing will automatically convert to the DS1 month to month payment plan.

At the expiration of the TPP period, if the customer renews at the DS1 quantity in service at the end of his previous TPP, or a greater quantity, and makes no change in the selected states, then any penalties that may need to be assessed at the first anniversary of the renewal period will be assessed as set forth in 7.2.1(G)(8)(b). The rates for the renewal period will be the rates in effect at the time of the renewal.

(12) 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 circuit terminations 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 longer in length than the time remaining under the TPP.

[1] Effective May 16, 2019 the DS1 Term Payment Plan (TPP) will be grandfathered until the expiration date of the current term. Term renewals will not be offered on these plans going forward as of this effective date. Upon expiration of the current term, rates will revert to month-to-month.

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7. Special Access Service (Cont'd)7.2 Rate Categories, Applications and Regulations (Cont'd)7.2.1 Rate Categories (Cont'd)(H) Optional Payment Plan (OPP)

Effective May 16, 2019 the following Optional Payment Plan (OPP) will be grandfathered until the expiration date of the current term. Term renewals will not be offered on these plans going forward as of this effective date. Upon expiration of the current term, rates will revert to month-to-month.

The Optional Payment Plan (OPP) rates for Special Access Non-Competitive End User Channel Terminations (EUCTs) subject to Section 203 of the Communications Act are filed in this tariff. Other Special Access rates included in this plan are not subject to Section 203 and are provided outside of this tariff.

(1) General

- (a) The terms and conditions specified herein are applicable to Fractional T1 Service (FT1).
- (b) Only the Circuit Termination rate element is available under an OPP. All other associated rate elements or additional features are available at the minimum month-to-month tariffed rates and regulations.
- (c) FT1 Circuit Termination rates will not be greater than minimum month-to-month tariffed rates and regulations.
- (d) 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.
- (e) Payment periods of one year, three year, and five year are available to all customers at the applicable rates set forth in 7.11.5(A) regardless of when they subscribe to an OPP arrangement.
- (f) The customer must designate on the ASR the payment period for the OPP.
- (g) Inside moves, provided in accordance with 7.2.1(D)(4), will not incur termination liability charges.
- (h) Outside moves, provided in accordance with 7.2.1(D)(4)(b), 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.

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7. Special Access Service (Cont'd)7.2 Rate Categories, Applications and Regulations (Cont'd)7.2.1 Rate Categories (Cont'd)(H) Optional Payment Plan (OPP) [1] (Cont'd)(2) 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 new disconnect of the existing OPP service and termination liability charges apply.

(3) Renewal Options

- (a) 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.
- (b) 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.
- (c) 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.

[1] Effective May 16, 2019 the Optional Payment Plan (OPP) will be grandfathered until the expiration date of the current term. Term renewals will not be offered on these plans going forward as of this effective date. Upon expiration of the current term, rates will revert to month-to-month.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Rate Categories, Applications and Regulations (Cont'd)7.2.1 Rate Categories (Cont'd)(H) Optional Payment Plan (OPP) [1] (Cont'd)(4) 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 received disconnect notification or until the requested disconnect date, whichever period is longer.

(5) Upgrade to Higher Speed Service

Customers may elect to upgrade service 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 7.2.1(D)(3)(b).
- 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.

[1] Effective May 16, 2019 the Optional Payment Plan (OPP) will be grandfathered until the expiration date of the current term. Term renewals will not be offered on these plans going forward as of this effective date. Upon expiration of the current term, rates will revert to month-to-month.

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7. Special Access Service (Cont'd)7.2 Rate Categories, Applications and Regulations (Cont'd)7.2.1 Rate Categories (Cont'd)(H) Optional Payment Plan (OPP) [1] Cont'd)(6) 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.

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 period.

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.

(7) 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.

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 changes service will be subject to all appropriate nonrecurring charges.
- Termination liability charges will no apply as long as the changed service remains connected at the same point of termination(s) or meets the requirements of 7.2.1(D)(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.

[1] Effective May 16, 2019 the Optional Payment Plan (OPP) will be grandfathered until the expiration date of the current term. Term renewals will not be offered on these plans going forward as of this effective date. Upon expiration of the current term, rates will revert to month-to-month

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7. Special Access Service (Cont'd)7.2 Rate Categories, Applications, and Regulations (Cont'd)7.2.2 Minimum Periods

The minimum service period for all services except part-time Program Audio services and High Capacity DS3 services is one month. The minimum service period for part-time Program Audio Services is one day even though the service will be provided only for the duration of the event specified on the order (e.g., one-half hour, two hours, five hours, etc.). Effective May 16, 2019, the minimum period for High Capacity DS3 Service is one month. Prior to May 16, 2019 the minimum period for High Capacity DS3 Service was that period requested by the customer as set forth in Section 7.2.6 (B) following

7.2.3 Application of Daily and Monthly Rates(A) Daily Rates

Daily rates are recurring rates that apply to each 24 hour period or fraction thereof that Program Audio Special Access Service is provided for part-time or occasional use. For purposes of applying daily rates, the 24 hour period is not limited to a calendar day.

Part-time Program Audio ordered on one Access Service Request and provided within a consecutive 30 day period will be charged the daily rate, not to exceed an amount equal to the monthly rate. For each subsequent day or part day, a charge equal to 1/30th of the monthly rate shall apply.

(B) Monthly Rates

Monthly rates are flat recurring rates 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.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Rate Categories, Applications, and Regulations (Cont'd)7.2.4 Facility Hubs

A customer has the option of ordering Voice Grade Non-Competitive End User Channel Termination (EUCT) or High Capacity Non-Competitive EUCT (i.e., Group, Supergroup, Mastergroup, DS1, DS1C, DS2 or DS3) to a facility hub for multiplexing to individual services of a lower capacity or bandwidth (e.g., Voice, Program Audio, etc.). Additionally, the customer may specify optional features for the individual circuits derived from the facility to further tailor the circuit to meet specific communications requirements.

A hub is a Company designated wire center at which multiplexing functions are performed.

Different locations may be designated as hubs for different facility capacities, e.g., multiplexing from digital to digital may occur at one location while multiplexing from digital to analog may occur at a different location. When placing an Access Service Request the customer will specify the desired hub. The National Exchange Carrier Association Tariff FCC No. 4 identifies serving wire centers, hub locations and the type of multiplexing functions available.

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7. Special Access Service (Cont'd)7.2 Rate Categories, Applications, and Regulations (Cont'd)7.2.4 Facility Hubs (Cont'd)

Point to point services may be provided on circuits of these facilities to a hub. The transmission performance for the point to point service provided between the customer designated premises will be that of the lower capacity or bit rate.

The Company will commence billing the monthly rate for the facility to the hub on the date specified by the customer on the Access Service Request. The customer will be billed for a High Capacity or Voice Grade Non-Competitive End User Channel Termination (EUCT), and Special Access Cross Connect for the service at the time the facility is installed. Individual services utilizing these facilities may be installed coincident with the installation of the facility to the hub or may be ordered and/or installed at a later date, at the option of the customer. Individual service rates (by service type) will apply for a Non-Competitive EUCT for each channelized service. These will be billed to the customer as each individual service is installed.

Although not requiring multiplexing, the Company will designate certain hubs for Program Audio Services. Full-time service will be provided between a customer designated premises and a hub and billed accordingly at the monthly rates set forth in 7.6.5 for a Non-Competitive EUCT and Optional Features and Functions as applicable. The customer may order part-time and occasional Program Audio services as needed between the hub and a second customer designated premises. The rate elements required to provide the part-time or occasional service (i.e., Non-Competitive EUCT and Optional Features as applicable) will be billed at daily rates for the duration of the service requested.

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7. Special Access Service (Cont'd)7.2 Rate Categories, Applications, and Regulations (Cont'd)7.2.5 Shared Use Analog and Digital High Capacity Services

The rates for Special Access Non-Competitive End User Channel Terminations (EUCTs) subject to Section 203 of the Communications Act are filed in this tariff. Other Special Access rates included in this plan are not subject to Section 203 and are provided outside of this tariff.

Monthly charges for a DS1 or DS3 high capacity shared used 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 a Special Access Non-Competitive EUCT, 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: 1) 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 Non-Competitive EUCT, 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: 1) the total shared use charge is equal to the Monthly Special Access Charge times the number of channels used for Special 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 Non-Competitive EUCT, and Switched Access Entrance Facility, Direct-Trunked Transport and/or Multiplexer rates) for the underlying shared use facility, e.g., 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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7. Special Access Service (Cont'd)7.2 Rate Categories, Applications, and Regulations (Cont'd)7.2.6 DS3 High Capacity

Effective May 16, 2019 the following DS3 High Capacity 1, 3, 5 and 7 Year Rate Plans will be grandfathered until the expiration date of the current term. Term renewals will not be offered on these plans going forward as of this effective date. Upon expiration of the current term, rates will revert to month-to-month.

- (A) A DS3 (44.736Mbps) High Capacity Non-Competitive End User Channel Termination (EUCT) may be ordered as an Individual, 3-System or 12-System. A Non-Competitive EUCT may be ordered with an electrical or optical interface.

DS3 Non-Competitive EUCTs are non-distance sensitive and are provided on a protected basis.

Individual System

An Individual System is a single DS3 between a CDL and the serving wire center. The appropriate NRC is applied per Non-Competitive EUCT.

3-System

The 3-System allows the same customer, between the same CDL and the serving wire center, to order additional DS3 Non-Competitive EUCTs, up to a maximum of two. Additional Non-Competitive EUCTs may only be added with the same interface, electrical or optical, as the First System. The appropriate NRC is applied per Non-Competitive EUCT.

12-System

The 12-System allows the same customer, between the same CDL and the serving wire center, to order additional DS3 Non-Competitive EUCTs, with a maximum of eleven. Additional Non-Competitive EUCTs may only be added with the same interface, electrical or optical, as the First System. The appropriate NRC is applied per Non-Competitive EUCT.

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7. Special Access Service (Cont'd)7.2 Rate Categories, Applications, and Regulations (Cont'd)7.2.6 DS3 High Capacity [1] (Cont'd)(B) Minimum Service Periods (Cont'd)

Effective May 16, 2019 the minimum service period for DS3 service is one month. Prior to May 16, 2019 DS3 service is 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. Each DS3 service within a three/twelve capacity system can have a different minimum service period. Each DS3 Circuit Termination 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 recurring rates associated with a longer minimum service period. When the customer selects this option, the customer will receive full credit for the amount of time the service was provided under the shorter minimum service period. For example, if a customer, who initially ordered DS3 service under a one-year minimum service period, after six months decides to select the three year minimum service period, the customer will have a remaining obligation period of 30 months. The new recurring charges will apply subsequent to the effective date of the new minimum service period.

(C) Expiration of Service Periods

Effective May 16, 2019 term renewals will not be offered on the DS3 High Capacity 1, 3, 5 and 7 Year Rate Plans. Upon expiration of the current term, rates will revert to month-to-month. Prior to May 16, 2019, 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 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.

[1] Effective May 16, 2019 the DS3 High Capacity 1, 3, 5 and 7 Year Rate Plans will be grandfathered until the expiration date of the current term. Term renewals will not be offered on these plans going forward as of this effective date. Upon expiration of the current term, rates will revert to month-to-month.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Rate Categories, Applications, and Regulations (Cont'd)7.2.6 DS3 High Capacity [1] (Cont'd)(D) Discontinuance Without Liability - DS3 Minimum Service Period

Rates for DS3 service may vary during the minimum service period; however, 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.

(E) 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. The customer's total liability is dependant 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 minimum service 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>Liability Rate</u> |
|--|---------------------------|
| 1 | 45% |
| 2 | 30% |
| 3 | 25% |
| 4 | 20% |
| 5 | 15% |
| 6 | 10% |
| 7 | 5% |

For example, if a customer with a seven year minimum service period discontinues DS3 service after six months within the 4th year, the customer will be liable for 20% of the total monthly charges for six months, 15% of the total monthly charges for the 5th year, 10% of the total monthly charges for the 6th year and 5% of the total monthly charges for the 7th year.

[1] Effective May 16, 2019 the DS3 High Capacity 1, 3, 5 and 7 Year Rate Plans will be grandfathered until the expiration date of the current term. Term renewals will not be offered on these plans going forward as of this effective date. Upon expiration of the current term, rates will revert to month-to-month.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Rate Categories, Applications, and Regulations (Cont'd)7.2.6 DS3 High Capacity [1] (Cont'd)(F) 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 Telephone Company receives discontinuance notification or until the requested discontinuance date, whichever period is longer.

(G) Upgrade to a Larger Capacity System

At the customer's option, upgrades from a smaller capacity system to a larger capacity system will be allowed. All appropriate NRCs for the larger capacity system will apply. Credit will not be given for any number of months the original system was maintained. A new minimum service period will be required for the larger capacity system.

[1] Effective May 16, 2019 the DS3 High Capacity 1, 3, 5 and 7 Year Rate Plans will be grandfathered until the expiration date of the current term. Term renewals will not be offered on these plans going forward as of this effective date. Upon expiration of the current term, rates will revert to month-to-month.

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7. Special Access Service (Cont'd)7.2 Rate Categories, Applications, and Regulations (Cont'd)7.2.6 DS3 High Capacity [1] (Cont'd)(H) Downgrade to a Smaller Capacity System

Downgrades from a larger capacity system to a smaller capacity system will not be allowed without the full assessment of the liabilities described in (E) preceding for the original larger system, plus the full application of all charges for the smaller system. Credit will not be given for any number of months the original system was maintained. A new minimum service period will be required for the smaller capacity system.

(I) Service Disconnect

When a customer requests the disconnect of a DS3 service in the three/twelve capacity system, the disconnect steps are applied on a last in, first out basis. When only the First DS3 service exists on a three/twelve capacity system, that service will be disconnected.

7.3 Reserved for Future Use7.4 Reserved for Future Use

[1] Effective May 16, 2019 the DS3 High Capacity 1, 3, 5 and 7 Year Rate Plans will be grandfathered until the expiration date of the current term. Term renewals will not be offered on these plans going forward as of this effective date. Upon expiration of the current term, rates will revert to month-to-month.

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7. Special Access Service (Cont'd)7.5 Voice Grade Service ^[1]7.5.1 Basic Circuit Description

A Voice Grade Non-Competitive End User Channel Termination (EUCT) is a circuit which provides voice frequency transmission capability in the nominal frequency range of 300 to 3000 Hz and may be terminated two-wire or four-wire. Effective 2-wire and 4-wire circuits are available as an Optional Feature and Function. Voice Grade circuits are provided between customer designated premises or between a customer designated premises and a Company hub.

Voice Grade Service may be ordered in conjunction with Switched Access services as set forth in Section 6.3.2 preceding to provide access for a customer's communications service (e.g., WATS, 800, 888, or WATS-type service). When the customer orders the Switched Access Interface Arrangement, Voice Grade Non-Competitive EUCTs provide voice frequency transmission capability between an end user premises and a WATS Serving Office (WSO). All applicable Special Access rates and charges apply (including Optional Features and Functions charges). Technical Specifications and Optional Features and Functions available with this arrangement are indicated under Package VG-SI in 7.5.5 following.

^[1] Effective February 1, 2020 Voice Grade Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.5 Voice Grade Service ^[1] (Cont'd)7.5.2 Technical Specifications Packages

| | Package VG- | | | | | | | | | | | | | |
|--------------------|-------------|---|---|---|---|---|---|---|---|---|----|----|----|----|
| Parameter | C* | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | SI |
| Attenuation | | | | | | | | | | | | | | |
| Distortion | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| C-Message Noise | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Echo Control | X | X | X | X | X | X | X | X | X | X | X | | | |
| Envelope Delay | | | | | | | | | | | | | | |
| Distortion | X | | | | | X | X | X | X | X | X | X | X | X |
| Frequency Shift | X | | | | | X | X | X | X | X | X | X | X | X |
| Impulse Noise | X | | | | X | X | X | X | X | X | X | X | X | X |
| Intermodulation | | | | | | | | | | | | | | |
| Distortion | X | | | | | X | X | X | X | X | X | X | X | X |
| Loss Deviation | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Phase Hits, Gain | | | | | | | | | | | | | | |
| Hits, and Dropouts | X | | | | | | | | | | | | | |
| Phase Jitter | X | | | | | X | X | X | X | X | X | X | X | X |
| Return Loss | | | | | | | | | | | | | | X |
| Signal-to-C | | | | | | | | | | | | | | |
| Message Noise | | | | | X | | | | | | | | | |
| Signal-to-C | | | | | | | | | | | | | | |
| Notch Noise | X | | | | X | X | X | X | X | X | X | X | X | X |

The technical specifications for these parameters (except for dropouts, gain hits, and phase hits) are delineated in Technical Reference TR-NPL-000335 and associated Addendum. The technical specifications for dropouts, phase hits, and gain hits are delineated in Technical Reference PUB 41004, Table 4.

* The desired parameters are selected by the customer from the list of available parameters.

^[1] Effective February 1, 2020 Voice Grade Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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7. Special Access Service (Cont'd)7.5 Voice Grade Service ^[1] (Cont'd)7.5.3 Channel Interfaces

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

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

Compatible channel interfaces are set forth in 9 following.

7.5.4 Optional Features and Functions(1) Central Office Bridging Capability

- (a) Voice Bridging (two-wire or four-wire)
- (b) Data Bridging (two-wire or four-wire)
- (c) Telephoto Bridging (two-wire and four-wire)
- (d) Dataphone Select-A-Station Bridging with sequential arrangement ports or addressable arrangement ports
- (e) Telemetry and Alarm Bridging, Split Band-Active Bridging, Passive Bridging, Summation-Active Bridging

(2) Reserved for Future Use(3) Conditioning

Conditioning provides more specific transmission characteristics for Voice Grade services. C-Type conditioning controls attenuation distortion and envelope delay distortion. Sealing Current helps maintain continuity on dry metallic loops.

For two-point services, the parameters apply to each service. For multipoint services, the parameters apply to each mid link or end link. C-Type conditioning and Data Capability may be combined on the same service.

^[1] Effective February 1, 2020 Voice Grade Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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7. Special Access Service (Cont'd)7.5 Voice Grade Service ^[1] (Cont'd)7.5.4 Optional Features and Functions (Cont'd)(3) Conditioning (Cont'd)(a) C-Type Conditioning

C-Type Conditioning is provided for the additional control of attenuation distortion and envelope delay distortion on data services. The attenuation distortion and envelope delay distortion specifications for C-Type Conditioning are delineated in Technical Reference TR-NPL-000335.

(b) Improved C-Type Conditioning

Improved C-Type Conditioning options are provided in conjunction with C-Type Conditioning at the rates set forth in Section 7.5.5 following. The C-Type Conditioning rate shall apply only once regardless if one or both of the following Improved Options are ordered.

(i) Improved Attenuation Distortion

Improved Attenuation Distortion upgrades the frequency versus loss limits of the channel. The technical specifications for Improved Attenuation Distortion are delineated in Technical Reference TR-NPL-000335. This option is provided in conjunction with C-Type conditioning.

(ii) Improved Envelope Delay Distortion

Improved Envelope Delay Distortion upgrades the frequency versus delay response limits of the channel. The technical specifications for Improved Envelope Delay Distortion are delineated in Technical Reference TR-NPL-000335. This option is provided in conjunction with C-Type conditioning.

(c) Sealing Current

Sealing Current Conditioning is provided to help maintain continuity on dry metallic loops. It is usually associated with four-wire DA or NO type channel interfaces.

^[1] Effective February 1, 2020 Voice Grade Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.5 Voice Grade Service ^[1] (Cont'd)7.5.4 Optional Features and Functions (Cont'd)(4) Customer Specified Premises Receive Level

This option allows the customer to specify the receive level at the Point of Termination. This level must be within a specific range on effective four-wire transmission. The ranges are delineated in Technical Reference TR-NPL-000335.

(5) Improved Return Loss

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

^[1] Effective February 1, 2020 Voice Grade Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.5 Voice Grade Service ^[1] (Cont'd)7.5.4 Optional Features and Functions (Cont'd)(6) Data Capability

Data Capability provides transmission characteristics suitable for data communications. Specifically, Data Capability provides for the control of Signal to C-Notched Noise Ratio and intermodulation distortion. It is available for two-point services or multipoint services.

The Signal to C-Notched Noise Ratio and intermodulation distortion parameter for Data Capability are:

- Signal to C-Notched Noise Ratio is greater than or equal to 32dB
- Intermodulation distortion
- Signal to second order modulation products (R2) is greater than or equal to 38dB
- Signal to third order modulation products (R3) is greater than or equal to 42 dB

When a service equipped with Data Capability is used for voice communications, the quality of the voice transmission may not be satisfactory.

(7) Telephoto Capability

Telephoto Capability provides transmission characteristics suitable for telephotographic communications. Specifically, Telephoto Capability is provided for the control of attenuation distortion and envelope delay distortion of telephotographic services. The attenuation distortion and envelope delay distortion parameters for Telephoto Capability are:

| <u>Attenuation Distortion</u> (1004Hz Reference) | | <u>Envelope Delay Distortion</u> | |
|---|-----------------------|----------------------------------|------------------------|
| <u>Frequency Range (Hz)</u> | <u>Variation (dB)</u> | <u>Frequency Range (Hz)</u> | <u>Variation (mcs)</u> |
| 500-3000 | -0.5 to +1.5 | 1000-2600 | 110 |
| 300-3200 | -1.0 to +2.5 | 800-2800 | 180 |

^[1] Effective February 1, 2020 Voice Grade Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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7. Special Access Service (Cont'd)7.5 Voice Grade Service ^[1] (Cont'd)7.5.4 Optional Features and Functions (Cont'd)(8) Signaling Capability

Signaling Capability provides for the ability to transmit signals from one customer premises to another customer premises on the same service.

(9) Selective Signaling Arrangement

An arrangement that permits code selective ringing for up to ten codes on a multipoint service.

(10) Transfer Arrangement

An arrangement that affords the customer an additional measure of flexibility in the use of their access circuits. The arrangement can be utilized to transfer a leg of a Special Access Service to another circuit that terminates in either the same or a different customer premises. A key activated or dial-up control service is required to operate the transfer arrangement. A spare circuit, if required, is not included as part of the option.

(11) Four-Wire/Two-Wire Conversions

The term "Effective 2-Wire" denotes a condition which permits the simultaneous transmission in both directions over a channel, but it is not possible to insure independent information transmission in both directions. Effective 2-wire channels may be terminated with 2-wire or 4-wire interfaces.

The term "Effective 4-Wire" denotes a condition which permits the simultaneous independent transmission of information in both directions over a channel. The method of implementing effective 4-wire transmission is at the discretion of the Company (physical, time domain, frequency-domain separation or echo cancellation techniques). Effective 4-wire channels may be terminated with a 2-wire interface at the customer's premises. However, when terminated 2-wire, simultaneous independent transmission cannot be supported because the two wire interface combines the transmission paths into a single path.

When a customer requests that an effective four-wire circuit be terminated with a two-wire circuit interface at the customer designated premises, a four-wire to two-wire conversion is required. The customer will be charged the 4-wire Non-Competitive End User Channel Termination (EUCT) rate when an effective four-wire is specified in the customer's order. The rate for the conversion is included as part of the basic Non-Competitive EUCT rate.

^[1] Effective February 1, 2020 Voice Grade Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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7. Special Access Service (Cont'd)7.5 Voice Grade Service ^[1] (Cont'd)7.5.4 Optional Features and Functions (Cont'd)

The following table shows the technical specifications packages with which the optional features and functions are available.

| | Available with Technical | | | | | | | | | | | | | |
|----------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|
| | Package VG- | | | | | | | | | | | | | |
| | <u>C*</u> | <u>1</u> | <u>2</u> | <u>3</u> | <u>4</u> | <u>5</u> | <u>6</u> | <u>7</u> | <u>8</u> | <u>9</u> | <u>10</u> | <u>11</u> | <u>12</u> | <u>Sl</u> |
| C-Type Conditioning | X | | | | | | X | X | X | X | X | X | | |
| Central Office | | | | | | | | | | | | | | |
| Bridging Capability | X | | X | | | X | X | | | | X | X | X | |
| Customer Specified | | | | | | | | | | | | | | |
| Premises Receive | | | | | | | | | | | | | | |
| Level | X | | X | X | | | | X | X | X | | | | |
| Data Capability | X | | | | | | X | X | | | X | | | |
| Improved Return Loss | | | | | | | | | | | | | | |
| -For Effective Four- | | | | | | | | | | | | | | |
| Wire Transmission | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| -For Effective Two- | | | | | | | | | | | | | | |
| Wire Transmission | X | | X | X | | | | X | | | | | | X |
| Sealing Current | | | | | | | | | | | | | | |
| Conditioning | X | | | | | | X | | | | | | | |
| Selective Signaling | | | | | | | | | | | | | | |
| Arrangement | X | | X | | | X | X | | | | X | X | X | |
| Signaling Capability | X | X | X | X | | | | X | X | X | | | | # |
| Transfer Arrangement | | X | X | X | X | X | X | X | X | X | X | X | X | X |

Signaling is provided in conjunction with Switched Access as set forth in 6.3.2(T) preceding.

^[1] Effective February 1, 2020 Voice Grade Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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7. Special Access Service (Cont'd)7.5 Voice Grade Service ^[1] (Cont'd)7.5.5 Rates and Charges(A) Non-Competitive End User Channel Termination

- Per Point of Termination

| <u>Jurisdiction</u> | <u>2-Wire Monthly Rate</u> | <u>2-Wire Nonrecurring Charge</u> |
|---------------------|--------------------------------|---------------------------------------|
| Alabama | \$25.58 | \$200.00 |
| Missouri | 25.58 | 200.00 |

^[1] Effective February 1, 2020 Voice Grade Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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7. Special Access Service (Cont'd)7.5 Voice Grade Service ^[1] (Cont'd)7.5.5 Rates and Charges (Cont'd)(A) Non-Competitive End User Channel Termination (Cont'd)

- Per Point of Termination

| <u>Jurisdiction</u> | <u>4-Wire Monthly Rate</u> | <u>4-Wire Nonrecurring Charge</u> |
|---------------------|--------------------------------|---------------------------------------|
| Alabama | \$32.26 | \$200.00 |
| Missouri | 32.26 | 200.00 |

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7. Special Access Service (Cont'd)

7.5 Voice Grade Service ^[1] (Cont'd)

7.5.5 Rates and Charges (Cont'd)

(B) Reserved for Future Use

^[1] Effective February 1, 2020 Voice Grade Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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7. Special Access Service (Cont'd)7.5 Voice Grade Service ^[1] (Cont'd)7.5.5 Rates and Charges (Cont'd)(C) Optional Features and Functions

Rates and charges for the Optional Features and Functions of Voice Grad Service listed in this section apply to all jurisdictions of the Issuing Carriers listed on Title Page 2.

(1) Bridging

| | Alabama Monthly Rate | Missouri Monthly Rate | Nonrecurring Charge |
|--|----------------------------|-----------------------------|------------------------|
| (a) <u>Voice Bridging</u> | | | |
| - Per port | | | |
| - Two-Wire | \$7.96 | \$7.96 | None |
| - Four-Wire | 7.96 | 7.96 | None |
| (b) <u>Data Bridging</u> | | | |
| - Per port | | | |
| - Two-Wire | \$7.96 | \$7.96 | None |
| - Four-Wire | 7.96 | 7.96 | None |
| (c) <u>Telephoto Bridging</u> | | | |
| - Per port | | | |
| - Two-Wire | \$7.96 | \$7.96 | None |
| - Four-Wire | 7.92 | 7.92 | None |
| (d) <u>DATAPHONE Select-A-Station Bridging</u> | | | |
| Sequential Arranged Ports | | | |
| - Per Circuit Connected | | | |
| - 2-Wire | 21.23 | 21.23 | None |
| - 4-Wire | 112.80 | 112.80 | None |
| Addressable Arranged Ports | | | |
| - Per Circuit Connected | | | |
| - 2-Wire | 22.76 | 22.76 | None |
| - 4-Wire | 115.88 | 115.88 | None |

^[1] Effective February 1, 2020 Voice Grade Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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7. Special Access Service (Cont'd)7.5 Voice Grade Service ^[1] (Cont'd)7.5.5 Rates and Charges (Cont'd)

| | <u>Monthly Rates</u> | <u>Nonrecurring Charge</u> |
|---|--------------------------|--------------------------------|
| (C) Optional Features and Functions (Cont'd) | | |
| (1) Bridging (Cont'd) | | |
| (e) <u>Telemetry and Alarm Bridging</u> | | |
| Active Bridging Circuit Connections Per Circuit Connected | | |
| - Split Band | \$8.04 | None |
| - Summation | 1.37 | None |
| Passive Bridging Circuit Connections Per Circuit Connected | 0.20 | None |
| (2) Conditioning Per Point of Termination | | |
| (a) C-Type | 11.01 | None |
| (b) Improved C-Type Conditioning Options | | |
| - Improved Attenuation Distortion | *None | |
| - Improved Envelope Delay Distortion | *None | |
| (c) Sealing Current | None | None |
| (3) Improved Return Loss for Effective Four-Wire Transmission | | |
| - Per Point of Termination | | |
| - Two-Wire | 3.71 | None |
| - Four-Wire | 3.71 | None |
| (4) Customer Specified Receive Level | | |
| - Per Two-Wire Point of Termination | None | None |

* Applied at the same rate as C-Type Conditioning regardless if one or both Improved C-Type options are ordered.

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7. Special Access Service (Cont'd)7.5 Voice Grade Service ^[1] (Cont'd)7.5.5 Rates and Charges (Cont'd)

| | <u>Monthly Rates</u> | <u>Nonrecurring Charge</u> |
|--|--------------------------|--------------------------------|
| (C) Optional Features and Functions (Cont'd) | | |
| (5) Reserved for Future Use | | |
| (6) Data Capability - Per Point of Termination | 1.98 | 0.00 |
| (7) Telephoto Capability - Per Point of Termination | 2.81 | 0.00 |
| (8) Signaling Capability - Per Point of Termination | 16.34 | None |

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7. Special Access Service (Cont'd)7.5 Voice Grade Service ^[1] (Cont'd)7.5.5 Rates and Charges (Cont'd)

| | <u>Monthly Rates</u> | <u>Nonrecurring Charge</u> |
|--|--------------------------|--------------------------------|
| (C) Optional Features and Functions (Cont'd) | | |
| (9) Selective Signaling Arrangement - Per Arrangement | \$32.11 | None |
| (10) Transfer Arrangement (Dial Up**) | | |
| - Per Four Port Arrangement, including control circuit termination*** | 3.00 | None |
| - Per Five Port Arrangement, including control circuit termination*** | 6.85 | None |

** The Dial-up option requires the customer to purchase the Controller Arrangement from 8.1.2(A) following.

*** An additional Circuit Termination charge will apply whenever a spare circuit is configured as a leg to the customer's premises. Additional circuit mileage charges will apply when the transfer arrangement is not located in the customer premises serving wire center.

[1] Effective February 1, 2020 Voice Grade Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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7. Special Access Service (Cont'd)7.6 Program Audio Service ^[1]7.6.1 Basic Circuit Description

A Program Audio Non-Competitive End User Channel Termination (EUCT) is measured in Hz for the transmission of a complex signal voltage. The actual bandwidth is a function of the channel interface selected by the customer. The nominal frequency bandwidths are from 50 to 15000 Hz, from 200 to 3500 Hz, from 100 to 5000 Hz or from 50 to 8000 Hz. Only one-way transmission is provided. Program Audio Non-Competitive EUCTs are provided between customer designated premises or between a customer designated premises and a Company hub.

7.6.2 Technical Specifications Packages

| <u>Parameter</u> | <u>Package AP-</u> | | | | |
|---------------------------|--------------------|----------|----------|----------|----------|
| | <u>C*</u> | <u>1</u> | <u>2</u> | <u>3</u> | <u>4</u> |
| Actual Measured Loss | X | X | X | X | X |
| Amplitude Tracking | X | | | | |
| Crosstalk | X | X | X | X | X |
| Distortion Tracking | X | | | | |
| Gain/Frequency | | | | | |
| Distortion | X | X | X | X | X |
| Group Delay | X | | | | |
| Noise | X | X | X | X | X |
| Phase Tracking | X | | | | |
| Short Term Gain Stability | X | | | | |
| Short Term Loss | X | | | | |
| Total Distortion | X | X | X | X | X |

The technical specifications are delineated in Technical Reference PUB TR-NPL-000337.

* The desired parameters are selected by the customer from the list available parameters.

^[1] Effective February 1, 2020 Program Audio Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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7. Special Access Service (Cont'd)7.6 Program Audio Service ^[1] (Cont'd)7.6.3 Channel Interfaces

The following channel interfaces (CIs) define the bandwidths that are available for a Program Audio circuit:

| <u>CI</u> | <u>Bandwidth</u> |
|-----------|---------------------------------------|
| PG-1 | Nominal frequency from 50 to 15000 Hz |
| PG-3 | Nominal frequency from 200 to 3500 Hz |
| PG-5 | Nominal frequency from 100 to 5000 Hz |
| PG-8 | Nominal frequency from 50 to 8000 Hz |

Compatible channel interfaces are set forth in 9 following.

7.6.4 Optional Features and Functions(1) Central Office Bridging Capability

Distribution Amplifier

(2) Gain Conditioning

Control of 1004 Hz AML at initiation of service to $\text{OdB} \pm 0.5 \text{ dB}$.

(3) Stereo

Provision of a pair of gain/phase equalized channels for stereo applications. (Additional AP channel must be ordered separately).

The following table shows the technical specifications packages with which the optional features and functions are available.

| | <u>Available with Technical Specifications Package AP-</u> | | | | |
|------------------------------------|--|----------|----------|----------|----------|
| | <u>C</u> | <u>1</u> | <u>2</u> | <u>3</u> | <u>4</u> |
| Central Office Bridging Capability | X | X | X | X | X |
| Gain Conditioning | X | X | X | X | X |
| Stereo | X | X | | | |

^[1] Effective February 1, 2020 Program Audio Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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7. Special Access Service (Cont'd)7.6 Program Audio Service ^[1] (Cont'd)7.6.5 Rates and Charges(A) Non-Competitive End User Channel Termination

- Per Point of Termination

200-3500 Hz

| <u>Jurisdiction</u> | <u>Monthly Rate</u> | <u>Daily Rate</u> | <u>Nonrecurring Charge</u> |
|---------------------|-------------------------|-----------------------|--------------------------------|
| Alabama | \$30.33 | \$3.09 | \$200.00 |
| Missouri | 30.33 | 3.09 | 200.00 |

^[1] Effective February 1, 2020 Program Audio Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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7. Special Access Service (Cont'd)7.6 Program Audio Service ^[1] (Cont'd)7.6.5 Rates and Charges (Cont'd)(A) Non-Competitive End User Channel Termination (Cont'd)

- Per Point of Termination

100-5000 Hz

| <u>Jurisdiction</u> | <u>Monthly Rate</u> | <u>Daily Rate</u> | <u>Nonrecurring Charge</u> |
|---------------------|-------------------------|-----------------------|--------------------------------|
| Alabama | \$30.20 | \$3.09 | \$200.00 |
| Missouri | 30.20 | 3.09 | 200.00 |

^[1] Effective February 1, 2020 Program Audio Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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7. Special Access Service (Cont'd)7.6 Program Audio Service ^[1] (Cont'd)7.6.5 Rates and Charges (Cont'd)(A) Non-Competitive End User Channel Termination (Cont'd)

- Per Point of Termination

50-8000 Hz

| <u>Jurisdiction</u> | <u>Monthly Rate</u> | <u>Daily Rate</u> | <u>Nonrecurring Charge</u> |
|---------------------|-------------------------|-----------------------|--------------------------------|
| Alabama | \$30.20 | \$3.09 | \$200.00 |
| Missouri | 30.20 | 3.09 | 200.00 |

^[1] Effective February 1, 2020 Program Audio Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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7. Special Access Service (Cont'd)7.6 Program Audio Service ^[1] (Cont'd)7.6.5 Rates and Charges (Cont'd)(A) Non-Competitive End User Channel Termination (Cont'd)

- Per Point of Termination

50-15000 Hz

| <u>Jurisdiction</u> | <u>Monthly Rate</u> | <u>Daily Rate</u> | <u>Nonrecurring Charge</u> |
|---------------------|-------------------------|-----------------------|--------------------------------|
| Alabama | \$30.20 | \$3.09 | \$200.00 |
| Missouri | 30.20 | 3.09 | 200.00 |

^[1] Effective February 1, 2020 Program Audio Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

ACCESS SERVICE

7. Special Access Services (Cont'd)7.6 Program Audio Service ^[1] (Cont'd)7.6.5 Rates And Charges (Cont'd)(B) Reserved For Future Use(C) Optional Features and Functions

Rates and charges for the Optional Features and Functions of Program Audio Service listed in this section apply to all jurisdictions of the Issuing Carriers listed on Title Page 2.

| | | <u>Monthly Fixed</u> | <u>Daily Rates</u> | <u>Nonrecurring Charges</u> | |
|-----|----------------------------------|--------------------------|------------------------|---------------------------------|--------------|
| | | | | <u>Monthly</u> | <u>Daily</u> |
| (1) | Bridging, Distribution Amplifier | | | | |
| | - Per Port | \$1.00 | \$.10 | None | None |
| (2) | Gain Conditioning | | | | |
| | - Per Service | 1.00 | .10 | None | None |
| (3) | Stereo | | | | |
| | - Per service | None | None | None | None |

^[1] Effective February 1, 2020 Program Audio Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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7. Special Access Service (Cont'd)

7.7 Reserved for Future use

7.8 Reserved for Future use

7.9 Reserved for Future use

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7. Special Access Service (Cont'd)7.10 Digital Data Service ^[1]7.10.1 Basic Circuit Description

A Digital Data Non-Competitive End User Channel Termination (EUCT) is for duplex four-wire transmission of synchronous serial data at the rate of 2.4, 4.8, 9.6, 19.2, 56, or 64 Kbps. The actual bit rate is a function of the channel interface selected by the customer. The circuit provides a synchronous service with timing provided by the Company through the Company's facilities to the customer in the received bit stream. Digital Data Non-Competitive EUCTs are only available via Company designated hubs and are provided between customer designated premises or between a customer designated premises and a Company hub.

The customer may provide the Channel Service Unit-type equipment or other Network Channel Terminating Equipment associated with the Digital Data circuit at the customer premises. The interim program for interconnection of such equipment is set forth in Technical Reference PUB AS No. 1.

7.10.2 Technical Specifications Packages

| <u>Parameter</u> | <u>Package DA</u> | | | |
|--------------------|-------------------|----------|----------|----------|
| | <u>1</u> | <u>2</u> | <u>3</u> | <u>4</u> |
| Error-Free Seconds | X | X | X | X |

The Company will provide a circuit capable of meeting a monthly average performance equal to or greater than 99.875% error-free seconds while the circuit is in service, if it is measured through a CSU equivalent which is designed, manufactured, and maintained to conform with the specifications contained in Technical Reference PUB 62310.

Voltages which are compatible with Digital Data Service are delineated in Technical Reference PUB TR-NPL-000341.

^[1] Effective February 1, 2020 Digital Data Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.10 Digital Data Service ^[1] (Cont'd)7.10.3 Channel Interfaces

The following channel interfaces (CIs) define the bit rates that are available for a Digital Data Non-Competitive End User Channel Termination (EUCT).

| <u>CI</u> | <u>Bit Rate</u> |
|-----------|-----------------|
| DU-24 | 2.4 Kbps |
| DU-48 | 4.8 Kbps |
| DU-96 | 9.6 Kbps |
| DU-19 | 19.2 Kbps |
| DU-565 | 56 Kbps |
| DU-64 | 64 Kbps |

Compatible channel interfaces are set forth in 9. following.

7.10.4 Optional Features and Functions(1) Central Office Bridging Capability(2) Transfer Arrangement

An arrangement that affords the customer an additional measure of protection and/or flexibility in the use of their access circuit(s) on a 1xN basis. The arrangement can be utilized to transfer a leg of a Special Access Service to either a spare or working circuit that terminates in either the same or a different customer designated premises. This arrangement is only available at a Company designated hub. A dial-up control service is required to operate the transfer arrangement. A spare circuit, if required, is not included as a part of the option.

^[1] Effective February 1, 2020 Digital Data Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.10 Digital Data Service ^[1] (Cont'd)7.10.5 Rates and Charges(A) Non-Competitive End User Channel Termination

- Per Point of Termination

| <u>Jurisdiction</u> | <u>2.4, 4.8 & 9.6 Kbps</u> | | <u>19.2 Kbps</u> | |
|---------------------|--------------------------------|--------------------------------|-------------------------|--------------------------------|
| | <u>Monthly Rate</u> | <u>Nonrecurring Charge</u> | <u>Monthly Rate</u> | <u>Nonrecurring Charge</u> |
| Alabama | \$57.26 | \$194.65 | \$57.26 | \$194.65 |
| Missouri | 57.26 | 194.65 | 57.26 | 194.65 |

^[1] Effective February 1, 2020 Digital Data Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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7. Special Access Service (Cont'd)7.10 Digital Data Service ^[1] (Cont'd)7.10.5 Rates and Charges(A) Non-Competitive End User Channel Termination

- Per Point of Termination

| <u>Jurisdiction</u> | <u>56.0 Kbps</u> | | <u>64 Kbps</u> | |
|---------------------|-------------------------|--------------------------------|-------------------------|--------------------------------|
| | <u>Monthly Rate</u> | <u>Nonrecurring Charge</u> | <u>Monthly Rate</u> | <u>Nonrecurring Charge</u> |
| Alabama | \$57.26 | \$194.30 | \$57.26 | \$195.00 |
| Missouri | 57.26 | 194.30 | 57.26 | 195.00 |

^[1] Effective February 1, 2020 Digital Data Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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7. Special Access Service (Cont'd)

7.10 Digital Data Service (Cont'd)

7.10.5 Rates and Charges (Cont'd)

(B) Reserved for Future Use

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7. Special Access Service (Cont'd)7.10 Digital Data Service ^[1] (Cont'd)7.10.5 Rates and Charges(C) Optional Features and Functions

Monthly Rates and Nonrecurring Charges for the Optional Features and Functions of Digital Data Service listed in this section apply to all jurisdictions of the Issuing Carriers listed on Title Page 2.

| | <u>Alabama Monthly Rate</u> | <u>Missouri Monthly Rate</u> | <u>Nonrecurring Charge</u> |
|---|---------------------------------|----------------------------------|----------------------------|
| (1) <u>Bridging</u> - Per Port | \$10.73 | \$10.73 | None |
| (2) <u>Loop Transfer Arrangement (Dial-Up **)</u> - Per Four Port Arrangement *** | \$5.96 | \$5.96 | None |

** The Dial-Up option requires the customer to purchase the Controller Arrangement from 8.12(A) following.

*** An additional Circuit Termination charge will apply whenever a spare circuit is configured as a leg to the customer's premises.

[1] Effective February 1, 2020 Digital Data Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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7. Special Access Service (Cont'd)7.11 High Capacity Service7.11.1 Basic Circuit Description

A High Capacity Non-Competitive End Use Channel Termination (EUCT) is for the transmission of nominal 64.0 kbps or 1.544, 3.152, 6.312 or 44.736 Mbps isochronous serial data. The actual bit rate is a function of the channel interface selected by the customer. High Capacity Non-Competitive EUCTs are provided between customer designated premises or between a customer designated premises and a Company hub. 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.

The customer may provide the Network Channel Terminating Equipment associated with the High Capacity Non-Competitive EUCT at the customer's premises. The interim program for interconnection of such equipment is set forth in Technical Reference PUB AS No. 1.

7.11.2 Technical Specifications Packages

| <u>Parameter</u> | <u>Package HC</u> | | | | | |
|--------------------|-------------------|----------|-----------|----------|----------|----------|
| | <u>0</u> | <u>1</u> | <u>1C</u> | <u>2</u> | <u>3</u> | <u>4</u> |
| Error-Free Seconds | | X | | | | |

A Non-Competitive EUCT with technical specifications package HC1 will be capable of an error-free second performance of 98.75% over a continuous 24 hour period as measured at the 1.544 Mbps rate through a CSU equivalent which is designed, manufactured, and maintained to conform with the specifications contained in Technical Reference PUB 62411.

- * Available only as a Non-Competitive EUCT of a 1.544 Mbps facility to a Company Digital Data hub or as a cross connect of two 2.4, 4.8, 9.6, 56.0 or 64.0 kbps circuits of two 1.544 Mbps facilities to a Digital Data hub(s). The customer must provide system and channel assignment data.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.11 High Capacity Service (Cont'd)7.11.3 Channel Interfaces

The following channel interfaces (CIs) define the bit rates that are available for a High Capacity Non-Competitive End User Channel Terminations (EUCT):

| <u>CI</u> | <u>Bit Rate</u> |
|-----------|-------------------|
| DS-15* | 1.544 Mbps (DS1) |
| DS-31 | 3.152 Mbps (DSIC) |
| DS-44 | 44.736 Mbps (DS3) |
| DS-63 | 6.312 Mbps (DS2) |

Compatible channel interfaces are set forth in 9.3.5 following.

7.11.4 Optional Features and Functions(A) Automatic Loop Transfer

The Automatic Loop Transfer provides protection on a 1xN basis against failure of the facilities between a customer designated premises and the wire center serving that premises. Protection is furnished through the use of a switching arrangement that automatically switches to a spare circuit line when a working line fails. The spare circuit is not included as a part of the option. This option requires compatible equipment at both the serving wire center and the customer premises. The customer is responsible for providing the equipment at its premises. Equipment at the customer premises will be provided under tariff only if it existed in the Company inventory as of November 18, 1983.

(B) Transfer Arrangement

An arrangement that affords the customer an additional measure of flexibility in the use of their access circuit(s). The arrangement can be utilized to transfer a leg of a Special Access Service to either a spare or working circuit that terminates in either the same or a different customer designated premises. A dial-up control service is required to operate the transfer arrangement. A spare circuit, if required, is not included as part of the option.

A 64.0 kbps circuit is available as a circuit(s) of a 1.544 Mbps facility to a Company hub.

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7. Special Access Service (Cont'd)

7.11 High Capacity Service (Cont'd)

7.11.4 Optional Features and Functions (Cont'd)

(C) Reserved for Future Use

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7. Special Access Service (Cont'd)7.11 High Capacity Service (Cont'd)7.11.4 Optional Features and Functions (Cont'd)(D) Clear Channel Capability (CCC)

CCC provides a Bipolar with Eight Zero Substitution (B8ZS) encoding technique that allows a customer to transport 1.536 Mbps information rate signals over a 1.544 Mbps High Capacity Channel with no restraint on the quantity or sequence of one (mark) and zero (space) bits. This arrangement allows customers to derive 64 kbps clear channels. This service is provided only on 1.544 Mbps High Capacity Channels between two customer designated premises and is subject to availability of facilities. This arrangement requires the customer-provided multiplexing equipment to be compatible with the B8ZS line code as specified in Technical Reference TR-NPL-000054 and Technical Reference PUB TR-NPL-000342.

(E) The following table shows the technical specifications packages with which the optional features and functions are available.

| | Available with Technical Specifications Package HC- | | | | | |
|--------------------------|--|----------|-----------|----------|----------|----------|
| | <u>0</u> | <u>1</u> | <u>1C</u> | <u>2</u> | <u>3</u> | <u>4</u> |
| Automatic Loop Transfer | | X | | | | |
| Transfer Arrangement | | X | | | | |
| Clear Channel Capability | | X | | | | |

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7. Special Access Service (Cont'd)7.11 High Capacity Service (Cont'd)7.11.5 Rates and Charges(A) Non-Competitive End User Channel Termination - High Capacity DS1

- Per Point of Termination

1.544 Mbps

| <u>Jurisdiction</u> | <u>Monthly Rate</u> | <u>Nonrecurring Charge</u> |
|---------------------|-------------------------|--------------------------------|
| Alabama | \$275.91 | \$433.90 |
| Missouri | 275.91 | 433.90 |

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7. Special Access Service (Cont'd)7.11 High Capacity Service (Cont'd)7.11.5 Rates and Charges (Cont'd)(A) Non-Competitive End User Channel Termination - High Capacity DS1 Term Payment Plan [1]

- Per Point of Termination

| <u>Jurisdiction</u> | <u>Nonrecurring Charge</u> | <u>One Year Monthly Rate</u> |
|---------------------|--------------------------------|----------------------------------|
| Alabama | \$450.00 | \$193.66 |
| Missouri | 450.00 | 193.66 |

[1] Effective May 16, 2019 the DS1 Term Payment Plan (TPP) will be grandfathered until the expiration date of the current term. Term renewals will not be offered on these plans going forward as of this effective date. Upon expiration of the current term, rates will revert to month-to-month.

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7. Special Access Service (Cont'd)7.11 High Capacity Service (Cont'd)7.11.5 Rates and Charges (Cont'd)(A) Non-Competitive End User Channel Termination - High Capacity DS1 Term Payment Plan [1]

- Per Point of Termination

| <u>Jurisdiction</u> | <u>Two Year Monthly Rate</u> | <u>Three Year Monthly Rate</u> | <u>Five Year Monthly Rate</u> |
|---------------------|----------------------------------|------------------------------------|-----------------------------------|
| Alabama | \$183.15 | \$169.98 | \$158.14 |
| Missouri | 183.15 | 169.98 | 158.14 |

[1] Effective May 16, 2019 the DS1 Term Payment Plan (TPP) will be grandfathered until the expiration date of the current term. Term renewals will not be offered on these plans going forward as of this effective date. Upon expiration of the current term, rates will revert to month-to-month.

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7. Special Access Service (Cont'd)7.11 High Capacity Service (Cont'd)7.11.5 Rates and Charges (Cont'd)(A) Non-Competitive End User Channel Termination - High Capacity FT1 Facilities ^[1]

- Per Point of Termination

Standard Arrangement - 2 X 56 Kbps or 2 X 64 Kbps

| <u>Jurisdiction</u> | <u>Monthly Rate</u> | <u>Nonrecurring Charge</u> |
|---------------------|-------------------------|--------------------------------|
| Alabama | \$103.75 | \$449.65 |
| Missouri | 103.75 | 449.65 |

^[1] Effective February 1, 2020 Fractional T1 Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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7. Special Access Service (Cont'd)7.11 High Capacity Service (Cont'd)7.11.5 Rates and Charges (Cont'd)(A) Non-Competitive End User Channel Termination - High Capacity FT1 Facilities ^[1]
(Cont'd)

- Per Point of Termination

Standard Arrangement - 4 X 56 Kbps or 4 X 64 Kbps

| <u>Jurisdiction</u> | <u>Monthly Rate</u> | <u>Nonrecurring Charge</u> |
|---------------------|-------------------------|--------------------------------|
| Alabama | \$114.00 | \$449.65 |
| Missouri | 114.00 | 449.65 |

^[1] Effective February 1, 2020 Fractional T1 Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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7. Special Access Service (Cont'd)7.11 High Capacity Service (Cont'd)7.11.5 Rates and Charges (Cont'd)(A) Non-Competitive End User Channel Termination - High Capacity FT1 Facilities^[1]
(Cont'd)

- Per Point of Termination

Standard Arrangement - 6 X 56 Kbps or 6 X 64 Kbps

| <u>Jurisdiction</u> | <u>Monthly Rate</u> | <u>Nonrecurring Charge</u> |
|---------------------|-------------------------|--------------------------------|
| Alabama | \$130.00 | \$449.65 |
| Missouri | 130.00 | 449.65 |

^[1] Effective February 1, 2020 Fractional T1 Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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7. Special Access Service (Cont'd)7.11 High Capacity Service (Cont'd)7.11.5 Rates and Charges (Cont'd)(A) Non-Competitive End User Channel Termination - High Capacity FT1 Facilities
Optional Payment Plan [1]

- Per Point of Termination

2 X 56 Kbps or 2 X 64 Kbps

| <u>Jurisdiction</u> | <u>One Year Monthly Rate</u> | <u>Three Year Monthly Rate</u> | <u>Five Year Monthly Rate</u> |
|---------------------|----------------------------------|------------------------------------|-----------------------------------|
| Alabama | \$99.13 | \$94.50 | \$90.13 |
| Missouri | 99.13 | 94.50 | 90.13 |

[1] Effective May 16, 2019 the Optional Payment Plan (OPP) will be grandfathered until the expiration date of the current term. Term renewals will not be offered on these plans going forward as of this effective date. Upon expiration of the current term, rates will revert to month-to-month.

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7. Special Access Service (Cont'd)7.11 High Capacity Service (Cont'd)7.11.5 Rates and Charges (Cont'd)(A) Non-Competitive End User Channel Termination - High Capacity FT1 Facilities
Optional Payment Plan [1]

- Per Point of Termination

4 X 56 Kbps or 4 X 64 Kbps

| <u>Jurisdiction</u> | <u>One Year Monthly Rate</u> | <u>Three Year Monthly Rate</u> | <u>Five Year Monthly Rate</u> |
|---------------------|----------------------------------|------------------------------------|-----------------------------------|
| Alabama | \$109.38 | \$104.50 | \$99.75 |
| Missouri | 109.38 | 104.50 | 99.75 |

[1] Effective May 16, 2019 the Optional Payment Plan (OPP) will be grandfathered until the expiration date of the current term. Term renewals will not be offered on these plans going forward as of this effective date. Upon expiration of the current term, rates will revert to month-to-month.

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7. Special Access Service (Cont'd)7.11 High Capacity Service (Cont'd)7.11.5 Rates and Charges (Cont'd)A) Non-Competitive End User Channel Termination - High Capacity FT1 Optional Payment Plan [1]

- Per Point of Termination

6 X 56 Kbps or 6 X 64 Kbps

| <u>Jurisdiction</u> | <u>One Year Monthly Rate</u> | <u>Three Year Monthly Rate</u> | <u>Five Year Monthly Rate</u> |
|---------------------|----------------------------------|------------------------------------|-----------------------------------|
| Alabama | \$122.75 | \$117.75 | \$109.63 |
| Missouri | 122.75 | 117.75 | 109.63 |

[1] Effective May 16, 2019 the Optional Payment Plan (OPP) will be grandfathered until the expiration date of the current term. Term renewals will not be offered on these plans going forward as of this effective date. Upon expiration of the current term, rates will revert to month-to-month.

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7. Special Access Service (Cont'd)7.11 High Capacity Service (Cont'd)7.11.5 Rates and Charges (Cont'd)(A) Non-Competitive End User Channel Termination - High Capacity DS3 [1]

- Per Point of Termination

(1) Individual DS3 – Non-capacity System

| <u>Jurisdiction</u> | <u>Nonrecurring Charge</u> | <u>Month-to-Month Rate</u> |
|---------------------|--------------------------------|--------------------------------|
| Alabama | \$976.00 | \$2,517.02 |
| Missouri | 976.00 | 2,517.02 |

[1] Effective May 16, 2019 the DS3 High Capacity 1, 3, 5 and 7 Year Rate Plans will be grandfathered until the expiration date of the current term. Term renewals will not be offered on these plans going forward as of this effective date. Upon expiration of the current term, rates will revert to month-to-month.

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7. Special Access Service (Cont'd)7.11 High Capacity Service (Cont'd)7.11.5 Rates and Charges (Cont'd)(A) Non-Competitive End User Channel Termination - High Capacity DS3 [1]
(Cont'd)

- Per Point of Termination

(1) Individual DS3 – Non-capacity System (Cont'd)

| <u>Jurisdiction</u> | <u>One Year Monthly Rate [1]</u> | <u>Three Year Monthly Rate [1]</u> | <u>Five Year Monthly Rate [1]</u> |
|---------------------|--------------------------------------|--|---------------------------------------|
| Alabama | \$2,517.02 | \$1,761.91 | \$1,233.34 |
| Missouri | 2,517.02 | 1,761.91 | 1,233.34 |

| <u>Jurisdiction</u> | <u>Seven Year Monthly Rate [1]</u> |
|---------------------|--|
| Alabama | \$863.34 |
| Missouri | 863.34 |

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7. Special Access Service (Cont'd)7.11 High Capacity Service (Cont'd)7.11.5 Rates and Charges (Cont'd)(A) Non-Competitive End User Channel Termination - High Capacity DS3 [1]
(Cont'd)

- Per Point of Termination

(2) Three Capacity System

- First DS3

| <u>Jurisdiction</u> | <u>Nonrecurring Charge</u> | <u>Month-to-Month Rate</u> |
|---------------------|--------------------------------|--------------------------------|
| Alabama | \$2,500.00 | \$4,879.50 |
| Missouri | 2,500.00 | 4,879.50 |

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7. Special Access Service (Cont'd)7.11 High Capacity Service (Cont'd)7.11.5 Rates and Charges (Cont'd)(A) Non-Competitive End User Channel Termination - High Capacity DS3 [1]
(Cont'd)

- Per Point of Termination

(2) Three Capacity System (Cont'd)

- First DS3

| <u>Jurisdiction</u> | <u>One Year Monthly Rate [1]</u> | <u>Three Year Monthly Rate [1]</u> | <u>Five Year Monthly Rate [1]</u> |
|---------------------|--------------------------------------|--|---------------------------------------|
| Alabama | \$4,879.50 | \$3,454.50 | \$2,846.50 |
| Missouri | 4,879.50 | 3,454.50 | 2,846.50 |

| <u>Jurisdiction</u> | <u>Seven Year Monthly Rate [1]</u> |
|---------------------|--|
| Alabama | \$2,737.00 |
| Missouri | 2,737.00 |

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7. Special Access Service (Cont'd)7.11 High Capacity Service (Cont'd)7.11.5 Rates and Charges (Cont'd)(A) Non-Competitive End User Channel Termination - High Capacity DS3 [1]
(Cont'd)

- Per Point of Termination

(2) Three Capacity System (Cont'd)

- Each Additional DS3 - (Maximum of 2)

| <u>Jurisdiction</u> | <u>Nonrecurring Charge</u> | <u>Month-to-Month Rate</u> |
|---------------------|--------------------------------|--------------------------------|
| Alabama | \$1,000.00 | \$255.00 |
| Missouri | 1,000.00 | 255.00 |

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7. Special Access Service (Cont'd)7.11 High Capacity Service (Cont'd)7.11.5 Rates and Charges (Cont'd)(A) Non-Competitive End User Channel Termination - High Capacity DS3 [1]
(Cont'd)

- Per Point of Termination

(2) Three Capacity System (Cont'd)

- Each Additional DS3 - (Maximum of 2)

| <u>Jurisdiction</u> | <u>One Year Monthly Rate [1]</u> | <u>Three Year Monthly Rate [1]</u> | <u>Five Year Monthly Rate[1]</u> |
|---------------------|--|--|--------------------------------------|
| Alabama | \$255.00 | \$182.00 | \$162.00 |
| Missouri | 255.00 | 182.00 | 162.00 |
| <u>Jurisdiction</u> | <u>Seven Year Monthly Rate [1]</u> | | |
| Alabama | \$152.50 | | |
| Missouri | 152.50 | | |

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7. Special Access Service (Cont'd)7.11 High Capacity Service (Cont'd)7.11.5 Rates and Charges (Cont'd)(A) Non-Competitive End User Channel Termination - High Capacity DS3 [1]
(Cont'd)

- Per Point of Termination

(3) Twelve Capacity System

- First DS3

| <u>Jurisdiction</u> | <u>Nonrecurring Charge</u> | <u>Month-to-Month Rate</u> |
|---------------------|--------------------------------|--------------------------------|
| Alabama | \$4,500.00 | \$7,347.00 |
| Missouri | 4,500.00 | 7,347.00 |

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7. Special Access Service (Cont'd)7.11 High Capacity Service (Cont'd)7.11.5 Rates and Charges (Cont'd)(A) Non-Competitive End User Channel Termination - High Capacity DS3 [1] (Cont'd)

- Per Point of Termination

(3) Twelve Capacity System (Cont'd)

- First DS3

| <u>Jurisdiction</u> | <u>One Year Monthly Rate [1]</u> | <u>Three Year Monthly Rate [1]</u> | <u>Five Year Monthly Rate[1]</u> |
|---------------------|--------------------------------------|--|--------------------------------------|
| Alabama | \$7,347.00 | \$4,919.00 | \$4,247.00 |
| Missouri | 7,347.00 | 4,919.00 | 4,247.00 |

| <u>Jurisdiction</u> | <u>Seven Year Monthly Rate [1]</u> |
|---------------------|--|
| Alabama | \$4,044.50 |
| Missouri | 4,044.50 |

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7. Special Access Service (Cont'd)7.11 High Capacity Service (Cont'd)7.11.5 Rates and Charges (Cont'd)(A) Non-Competitive End User Channel Termination - High Capacity DS3 [1]
(Cont'd)

- Per Point of Termination

(3) Twelve Capacity System (Cont'd)

- Each Additional DS3 (Maximum of 11)

| <u>Jurisdiction</u> | <u>Nonrecurring Charge</u> | <u>Month-to-Month Rate</u> |
|---------------------|--------------------------------|--------------------------------|
| Alabama | \$1,000.00 | \$266.00 |
| Missouri | 1,000.00 | 266.00 |

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7. Special Access Service (Cont'd)7.11 High Capacity Service (Cont'd)7.11.5 Rates and Charges (Cont'd)(A) Non-Competitive End User Channel Termination - High Capacity DS3 [1]
(Cont'd)

- Per Point of Termination

(3) Twelve Capacity System (Cont'd)

- Each Additional DS3 (Maximum of 11)

| <u>Jurisdiction</u> | <u>One Year Monthly Rate [1]</u> | <u>Three Year Monthly Rate [1]</u> | <u>Five Year Monthly Rate [1]</u> |
|---------------------|--------------------------------------|--|---------------------------------------|
| Alabama | \$266.00 | \$188.00 | \$159.00 |
| Missouri | 266.00 | 188.00 | 159.00 |

| <u>Jurisdiction</u> | <u>Seven Year Monthly Rate [1]</u> |
|---------------------|--|
| Alabama | \$157.50 |
| Missouri | 157.50 |

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7. Special Access Service (Cont'd)

7.11 High Capacity Service (Cont'd)

7.11.5 Rates and Charges (Cont'd)

- (A) Non-Competitive End User Channel Termination (EUCT) - Frequency bandwidths other than 1.544 Mbps (DS1) and 44.736 Mbps (DS3)
- Per Point of Termination

Frequency bandwidths other than 1.544 Mbps:

Monthly Rates and Nonrecurring Charges for the Non-Competitive EUCT rate element of High Capacity Service for all jurisdictions of the Issuing Carriers listed on Title Page 2 will be determined on an Individual Case Basis and filed in Section 7.12 following.

Available frequency bandwidths are as follows:

Frequency
Bandwidths

64 Kbps
3.152 Mbps
6.312 Mbps

- (B) Reserved for Future Use

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7. Special Access Service (Cont'd)7.11 High Capacity Service (Cont'd)7.11.5 Rates and Charges (Cont'd)(C) Optional Features and Functions (Cont'd)

Rates and charges for the Optional Features and Functions of High Capacity Service listed in this section apply to all jurisdictions of the Issuing Carriers listed on Title Page 2.

| | <u>Alabama Monthly Rate</u> | <u>Missouri Monthly Rate</u> | <u>Nonrecurring Charge</u> |
|--|---------------------------------|----------------------------------|----------------------------|
| Automatic Loop Transfer | | | |
| - Per Arrangement * | \$97.33 | \$97.33 | None |
| Transfer Arrangement (dial up ***) | | | |
| - Per four-port arrangement including control channel termination **** | \$160.88 | \$160.88 | None |
| Clear Channel Capability | | | |
| - Per DS1 circuit arranged | None | None | \$637.50 |

* An additional Non-Competitive End User Channel Termination (EUCT) charge will apply whenever the spare line is provided as a leg to the customer premises.

*** The Dial-up option requires the customer to purchase the Controller Arrangement.

**** An additional Non-Competitive EUCT charge will apply whenever a spare circuit is configured as a leg to the customer's premises.

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7. Special Access Service (Cont'd)7.11 High Capacity Service (Cont'd)7.11.5 Rates and Charges (Cont'd)(D) Special Access Cross ConnectPer DS0, DS1 or DS3 Connection

| <u>Jurisdiction</u> | <u>DS0 Monthly Rate</u> | <u>DS1 Monthly Rate</u> | <u>DS3 Monthly Rate</u> |
|---------------------|---------------------------------|---------------------------------|---------------------------------|
| Missouri | 1.86 | 4.20 | 27.55 |

* DS0 Cross Connect rates for Fractional T1 will be assessed as follows:

- 128 Kbps: 2 DS0 Cross Connects
- 256 Kbps: 4 DS0 Cross Connects
- 384 Kbps: 6 DS0 Cross Connects

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7. Special Access Service (Cont'd)

7.12 Individual Case Filing

Rates and charges for Special Access Service provided on an individual case basis are filed following:

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8. Miscellaneous Services

In this section normally scheduled working hours are an employee's scheduled work period in any given calendar day (e.g., 7:00 a.m. to 4:00 p.m.) for the application of rates based on working hours. Basic Time is that time during normally scheduled working hours. Overtime is that time outside of normally scheduled working hours on scheduled working days. Premium Time is that time outside of normally scheduled working days.

A call-out of a Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours. Work subject to Premium Time is always subject to a minimum charge of four hours.

8.1 Additional Engineering

For Special Access Additional Engineering, only Non-Competitive End-User Channel Terminations (EUCTs) are filed as part of this tariff. Additional Engineering for other Special Access Services to complete the circuit are outside this tariff and can be accessed at the Company's website or Company's other designated location.

Additional Engineering will be provided by the Company at the request of the customer or when the Company determines that Additional Engineering is necessary to accommodate a customer's request.

Additional Engineering is provided when:

- (A) A customer requests additional technical information beyond that normally included by the Company on the Design Layout Report (DLR) as set forth in 6.4(F) and 7.1.6.
- (B) Additional engineering time is incurred by the Company to engineer a customer's specific written request for a customized service or additional engineering activities which are not normally performed in the provision of services under this tariff.

The Company will notify the customer that Additional Engineering charges, as set forth in 8.1.1 following, will apply before any additional engineering is undertaken. When it is required, the customer will be so notified and will be furnished with a written statement setting forth the justification for the Additional Engineering as well as an estimate of the charges. If the customer agrees to the Additional Engineering, a firm order will be established. If the customer does not want the service or facilities after being notified that Additional Engineering of Company facilities is required, the order will be withdrawn and no charges will apply. Once a firm order has been established, the total charge to the customer for the Additional Engineering may not exceed the estimated amount by more than 10%.

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8. Miscellaneous Services (Cont'd)8.1 Additional Engineering (Cont'd)8.1.1 Charges for Additional Engineering

The charges for Additional Engineering are as follows:

Per Engineer, Per Half Hour, or Fraction Thereof

| <u>Jurisdiction</u> | Basic Time | Overtime | Premium Time* |
|---------------------|------------|----------|---------------|
| Alabama | \$39.76 | \$58.56 | \$78.08 |
| Missouri | 40.35 | 60.55 | 80.70 |

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8. Miscellaneous Services (Cont'd)8.2 Additional Labor

For Special Access Additional Labor, only Non-Competitive End-User Channel Terminations (EUCTs) are filed as part of this tariff. Additional Labor for other Special Access Services to complete the circuit are outside this tariff and can be accessed at the Company's website or Company's other designated location.

Additional labor is that labor requested and authorized by the customer on a given service and agreed to by the Company as set forth in 8.2.1 through 8.2.5 following. The Company will notify the customer that additional labor charges as set forth in 8.2.6 following will apply before any additional labor is undertaken.

8.2.1 Overtime Installation

Overtime installation is that Company installation effort performed outside of normally scheduled working hours.

8.2.2 Overtime Repair

Overtime repair is that Company maintenance effort performed outside of normally scheduled working hours.

8.2.3 Stand by

Stand by includes all time in excess of one-half (1/2) hour during which Company personnel stand by to make installation acceptance tests or cooperative tests with a customer on a given service.

8.2.4 Maintenance with Other Companies

Additional labor charges apply to additional maintenance or repair of facilities which connect to facilities of other companies. This is in addition to the normal efforts required to maintain or repair facilities provided solely by the Company, as set forth in 2.1.1(C).

8.2.5 Other Labor

Other labor is that additional labor not included in 8.2.1 through 8.2.4 preceding. This includes labor incurred to accommodate a specified customer request that involves only labor which is not covered by any other section of this tariff.

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8. Miscellaneous Services (Cont'd)8.2 Additional Labor (Cont'd)8.2.6 Charges for Additional Labor

The charges for additional labor are as follows:

Per Technician, Per Half Hour, or Fraction Thereof

| <u>Jurisdiction</u> | <u>Basic Time</u> | <u>Overtime *</u> | <u>Premium Time **</u> |
|---------------------|-------------------|-------------------|------------------------|
| Alabama | \$38.75 | \$87.50 | \$123.78 |
| Missouri | 38.75 | 87.50 | 123.78 |

* A call-out of a Telephone Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

** Subject to a minimum charge of four hours.

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8. Miscellaneous Services (Cont'd)8.3 Maintenance of Service

For Special Access Maintenance of Service, only Non-Competitive End-User Channel Terminations (EUCTs) are filed as part of this tariff. Maintenance of Service for other Special Access Services to complete the circuit are outside this tariff and can be accessed at the Company's website or Company's other designated location.

- (A) The customer will be responsible for reporting troubles sectionalized to Company facilities and/or equipment. When trouble cannot be clearly sectionalized to the Company facilities and/or equipment, the Company will test cooperatively or independently to assist in trouble sectionalization.

When a customer reports a trouble to the Company for clearance and no trouble is found in the Company's facilities, the customer shall be responsible for payment of a Maintenance of Service charge for the period of time from when Company personnel are dispatched to the customer's or customer's end user premises to when the work is completed. Failure of Company personnel to find trouble in Company facilities will result in no charge if the trouble is actually in those facilities, but not discovered at the time.

- (B) The customer shall be responsible for payment of a Maintenance of Service charge when the Company dispatches personnel to the customer's premises, and the trouble is in equipment or communications systems provided by other than the Company or in detariffed CPE provided by the Company.

In either (A) or (B) preceding, no credit allowance will be applicable for the interruption involved if the Maintenance of Service Charge applies.

- (C) The charge for Maintenance of Service are as follows:

Maintenance of Service
Periods

Per Technician

Per occurrence

The charges for Maintenance of Service are the same as those set for Additional Labor as set forth in 8.2 preceding.

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8. Miscellaneous Services (Cont'd)8.4 Additional Testing

For Special Access Additional Testing, only Non-Competitive End-User Channel Terminations (EUCTs) are filed as part of this tariff. Additional Testing for other Special Access Services to complete the circuit are outside this tariff and can be accessed at the Company's website or Company's other designated location.

Testing Services provides for the use of a Company technician in performing specific tests authorized by the customer including additional testing of facilities which connect to facilities of other companies. Testing Services offered under this section of the tariff are optional and are in addition to acceptance tests and in-service tests performed by the Company as described in 6.4 (G) and 7.1.8 preceding. Testing Services are made subject to the availability of the necessary qualified personnel and test equipment at the requested test locations.

Testing Services consist of Additional Cooperative Acceptance Testing (ACAT) which is performed during installation of Access Services and Nonscheduled Testing (NST) which is performed after acceptance of Access Services by the customer. Rates and charges for Testing Service are set forth in 8.4(C) following.

The Company will provide, upon request, documentation that lists the results of the tests performed. Trunk test failures requiring customer participation for trouble resolution will be provided to the customer on an as-occurs basis.

(A) Additional Cooperative Acceptance Testing

Rates and charges for Additional Cooperative Acceptance Testing of Switched and Special Access Services apply per technician used.

(1) Switched Access Service

Additional Cooperative Acceptance Testing (ACAT) of Switched Access Service is performed at the time of installation and involves the Company provision of a technician at its office(s) and the customer provides a technician at its premises, with suitable test equipment to perform the required tests. The Company may, at the request of the customer, supply a technician at the customer's premises to perform the required tests.

Additional Cooperative Acceptance Testing may, for example, consist of the following tests:

- C-Notched Noise
- Impulse Noise
- Phase Jitter

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8. Miscellaneous Services (Cont'd)8.4 Additional Testing (Cont'd)(A) Additional Cooperative Acceptance Testing (Cont'd)

- Signal to C-Notched Noise Ratio
- Intermodulation Distortion (Nonlinear)
- Frequency Shift (Offset)
- Envelope Delay Distortion
- Dial Pulse Percent Break

(2) Special Access Service

When a customer provides a technician at its premises or at an end user's premises, with suitable test equipment to perform the requested tests, the Telephone Company may provide a technician at its office for the purpose of conducting Additional Cooperative Acceptance Testing on Voice Grade Services at the time of installation. At the customer's request, the Telephone Company may provide a technician at the customer's premises or at the end user premises: These tests may, e.g., consist of the following:

- Attenuation Distortion (i.e., frequency response)
- Intermodulation Distortion (i.e., harmonic distortion)
- Phase Jitter
- Impulse Noise
- Envelope Delay Distortion
- Echo Control
- Frequency Shift

(B) Nonscheduled Testing

Nonscheduled tests are performed by the Telephone Company "on demand." When a customer provides a technician at its premises with suitable test equipment to perform the required tests, the Telephone Company may provide a technician at its office for the purpose of conducting Nonscheduled Testing of Switched or Special Access services. At the customer's request, the Telephone Company may provide a technician at the customer's premises. Nonscheduled tests may consist of any tests, e.g., loss, noise, slope, envelope delay, which the customer may require. Rates and charges for Nonscheduled Testing apply per technician used.

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8. Miscellaneous Services (Cont'd)8.4 Additional Testing (Cont'd)(C) Rates and Charges

The charges for Additional Testing are as follows:

Per Technician, Per Half Hour, or Fraction Thereof

| <u>Jurisdiction</u> | Basic Time | Overtime* | Premium Time** |
|---------------------|------------|-----------|----------------|
| Alabama | \$37.51 | \$53.80 | \$71.74 |
| Missouri | 34.71 | 47.75 | 63.70 |

* A call-out of a Telephone Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

** Subject to a minimum charge of four hours.

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8. Miscellaneous Services (Cont'd)8.5 Presubscription

Presubscription is an arrangement whereby an end user may select and designate to the Telephone Company an IC to access for 1+ interLATA calls. It also applies to agents for Pay Telephone service whereby the agent may select an IC for the routing of 0+ calls. This IC is referred to as the end user's or agent's presubscribed interLATA carrier (PIC).

The regulations and charges pertaining to Presubscription of residence and business lines and/or trunks are set forth in CC Docket 83-1145, Phase I, Memorandum Opinion and Order, Appendix B, adopted by the Federal Communications Commission on May 31, 1985 and released on June 12, 1985. A copy of the Order with all Appendices is available for inspection at the main building of the Federal Communications Commission and can also be obtained from the FCC's commercial contractor. Regulations and charges for Presubscription set forth in this section are in compliance with the Order. Guidelines established in this Order are used to provide Presubscription of Pay Telephone Service.

Should a customer want to use other services of the same or another IC, it will be necessary for the customer to dial the necessary access code(s) (i.e., 101XXXX) to reach that IC's service(s).

Multi-party end users will continue with the same IC service arrangement which existed prior to the end office conversion. However, multi-party end users may access the IC of their choice by dialing the appropriate 101XXXX carrier identification code. In certain suitably equipped end offices two-party customers may subscribe to the IC of their choice.

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8. Miscellaneous Services (Cont'd)8.5 Presubscription (Cont'd)(A) End User Notification and Balloting Procedure

Approximately 90 days prior to the introduction of equal access (Feature Group D and BSA-D) in a serving end office, the Telephone Company will notify all affected end users and agents of the availability of equal access. The end user or agent will be directed to designate a primary IC by the use of an equal access ballot to be returned to the Telephone Company within approximately 45 days after the mailing date. An end user or agent has the option of independently contacting the IC to make arrangements for presubscription to the IC's service.

The equal access ballot will include all the names of ICs participating in the presubscription process. The IC listed on a pay telephone ballot will be the 0+ carrier. ICs are required to place an order for Feature Group D or BSA-D in accordance with the regulations set forth in 6.4 (J) preceding.

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.

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8. Miscellaneous Services (Cont'd)8.5 Presubscription (Cont'd)(A) End User Notification and Balloting Procedure (Cont'd)

Customers may select only one PIC for each access line or multiline hunt group through the ballot progress. Multiline hunt group end users will be given the opportunity to select more than one PIC by contacting the Telephone Company. Customers may designate that they do not want a PIC by notifying the Telephone Company and selecting No-PIC. This choice is considered a valid selection and the nonrecurring charge as set forth in (E)(1) following will apply to any subsequent change made after the equal access conversion date.

New end users or agents who are served by end offices equipped with Feature Group D and BSA-D may select PIC or No-PIC, at no charge, at the time they place an order with the Telephone Company for Telephone Exchange Service. A confirmation notice will be sent to end users or agents who verbally place an order for service identifying the IC selected. New end users or agents will have ninety days from the date the initial selection is made to change their PIC without charge, on a one-time basis.

If through the fault of the Telephone Company, the end user or agent is not subscribed to its chosen PIC, the nonrecurring charge in 8.5(E)(6) do not apply to reassign the end user or agent to his chosen PIC.

(B) Allocation Process

End users or agents who do not return their initial ballot will receive a second ballot indicating that they have been pre-assigned to No-PIC. Allocated customers will have six months after the equal access conversion date to change to an IC of their choice without charge.

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8. Miscellaneous Services (Cont'd)8.5 Presubscription (Cont'd)(C) IC Customer Lists

The Telephone Company will accept from the IC a list(s) of end users or agents that have made individual arrangements with that IC to become their PIC. The IC must submit a Telephone Company end user or agent enrollment form listing these end users or agents. The end user or agent enrollment form must be accompanied by a document affirming that the IC does, in fact, have, or has instituted steps designed to obtain, signed letters of agency from the end users or agents designating the IC to act as the end user's or agent's agent for the presubscription process. The IC will accept responsibility for any billing disputes arising from implementation of its end user or agent lists.

(D) End User or Agent Choice Discrepancies

In the event of discrepancy between an end user's or agent's ballot and an IC's end user or agent enrollment form, the Telephone Company will notify, within 10 days, all affected ICs via a conflict report. If the IC certifies to the Telephone Company that it has a signed letter of agency from the end user or agent with a date subsequent to that on the ballot, that IC becomes the PIC for that end user or agent. If the IC is unable to obtain a letter of agency signed by the end user or agent, the IC selected on the end user's or agent's ballot will be used.

When two or more enrollment forms are received from different ICs, and no ballot is returned, the end user or agent in question will be included in the allocation process and will be notified, via the second ballot, that a conflict exists. In addition, the ICs will be notified in this instance. If the conflict is discovered after allocation has taken place, the subscriber in question will be contacted by the Telephone Company to obtain a valid selection.

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8. Miscellaneous Services (Cont'd)8.5 Presubscription (Cont'd)(E) Presubscription Charge

The nonrecurring charge for Presubscription will be applied as follows:

- (1) Initial end user, end user agent and a local service provider who resells services (herein referred to as reseller) selection of a PIC by ballot or appearing on an IC list will not incur a charge. The nonrecurring charge for Presubscription does not apply to any change in selection of a PIC made prior to the equal access conversion date. After the end office equal access conversion date, for any change in the end user's, end user agent's or reseller's selection of a PIC, a nonrecurring charge as set forth in (8) following will apply to the end user or agent.
- (2) An allocated end user, end user agent or reseller may use the second ballot as described in (B) preceding or contact the Telephone Company to make an IC selection after allocation has taken place. There will be no charge for this selection if it is done within 6 months after the equal access conversion date.
- (3) Changes in an end user's, end user agent's or reseller's PIC made as a result of the resolution of an end user, end user agent or reseller choice discrepancy, as set forth in (D) preceding, will not incur the nonrecurring charge provided the change is made within 6 months after the equal access conversion date.

The Telephone Company will make post conversion changes in the end user's, end user agent's or reseller's PIC assignment pursuant to an IC provided list of customers, accepted by the Telephone Company under conditions set forth in (C) and (D). Should an end user, end user agent, or reseller dispute authorization of the change within two years of the PIC assignment, the Telephone Company will place the end user on the previous IC network where possible and the IC billed according to 8.5(G).

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8. Miscellaneous Services (Cont'd)8.5 Presubscription (Cont'd)(E) Presubscription Charge (Cont'd)

- (4) An IC will be charged the Presubscription Charge if the IC submits a request for a change in an end user's, end user agent's or reseller's PIC, the end user, end user agent or reseller disputes that request. End users, end user agents or resellers will not be charged the Presubscription Charge for any changes made as a result of an error on the part of the IC or the Telephone Company.

An IC will also be charged the nonrecurring charge when it requests a change in the customer identification code assigned to an existing individual end user's service. This type of change does not require a change in the end user's PIC, only a change in the type of service provided by the IC.

- (5) If an IC elects to discontinue all of its Feature Group D or BSA-D service in the converting end office prior to the conversion date or within two years after the introduction of Feature Group D or BSA-D in the converting end office, the IC must notify in writing all end users, end user agents or resellers who have selected or been allocated to that IC, inform these end users, end user agents or resellers of the cancellation, request the end users, end user agents or resellers to select a new IC and state that the canceling IC will pay for the change charge. For a period of two years from the discontinuance of FGD or BSA-D service the Telephone Company will bill a canceling IC the nonrecurring charge as set forth in (6) following for each end user, end user agent or reseller the IC currently has designated to it.

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8. Miscellaneous Services (Cont'd)

8.5 Presubscription (Cont'd)(E) Presubscription Charge (Cont'd)

| (6) <u>Predesignated Interexchange Carrier (PIC) Change Charge*</u> | Nonrecurring <u>Charge</u> |
|---|-------------------------------|
| Per Telephone Exchange Service Line or trunk for each interLATA PIC change: | |
| (1) Submitted using manual methods | \$5.50 |
| (2) Submitted using electronic methods | \$1.25 |
| (3) Submitted using manual methods when both the interLATA PIC and intraLATA PIC selections are changed simultaneously | \$2.75 |
| (4) Submitted using electronic methods when both the interLATA PIC and intraLATA PIC selections are changed simultaneously | \$0.63 |

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8. Miscellaneous Services (Cont'd)8.5 Presubscription (Cont'd)(F) Balloting and Allocation Procedure for Pay Telephones

- (1) An agent of Pay Telephone service may select and designate to the telephone company an IC for the routing of 0+ interLATA calls. This IC is referred to as the agent's PIC.
- (2) The 1+ interLATA calls from a pay telephone will be handled by the agent's PIC if the IC handles 1+ traffic, by a secondary service provider selected by an agent's PIC, or by the default carrier if the agent's PIC has made no arrangements for handling 1+ traffic from a pay telephone. If the agent's PIC elects not to submit an order for its 1+ interLATA sent-paid traffic or fails to select a secondary service provider to handle its 1+ interLATA calls from the Telephone Company's pay telephones, the 1+ interLATA coin sent-paid traffic will continue to be routed to the existing 1+ default carrier (provided such carrier continues to accept it) until the 0+ carrier notifies the Telephone Company as set forth in Section 14.
- (3) The Telephone Company will notify agents of Pay Telephones of the availability of equal access for Pay Telephone services through the mailing of an equal access ballot. The mailing of initial ballots will take place 90 days prior to end office conversion. Agents of Pay Telephones will be requested to return their respective ballot to the Telephone Company within 45 days after the mailing date.
- (4) An IC obtaining service commitments from agents directly, must obtain signed authorization from those agents. The IC will be required to provide that authorization to the Telephone Company within 15 days of the Telephone Company's request for the resolution of disputes.
- (5) Agents of Pay Telephones who have not made a PIC selection, either through the payphone equal access ballot, or directly with an IC, will be sent a second ballot by the Telephone Company in accordance with the procedures set forth in Section 8.5(B) preceding. Agents who do not return the second ballot by the specified due date will be presubscribed to No-PIC. Allocated agents will have six months after the date that presubscription of Pay Telephones is made available to change to an IC of their choice without charge.

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8. Miscellaneous Services (Cont'd)8.5 Balloting and Allocation Process for Equal Access (Cont'd)(G) Unauthorized Presubscription Change

An Unauthorized Presubscription Change is a change in the PIC that the end user or Pay Telephone Service Provider denies authorizing.

If an end user or Pay Telephone Service Provider denies authorizing a change in interLATA IC as submitted by the alleged unauthorized IC, the alleged unauthorized IC will be assessed the Presubscription Charge as specified in 8.5(E) (6) for:

- Changing the end user or Pay Telephone Service Provider to the disputed IC, and
- Placing the end user or Pay Telephone Service Provider on their previous IC network or the IC network of their choice.

In accordance with the Federal Communications Commission's Slamming Liability Rules in CC Docket 94-129, if an alleged unauthorized carrier is ultimately exonerated of liability, the alleged unauthorized IC is entitled to receive full payment from the end user or Pay Telephone Service Provider for all services provided. In such situations, any Presubscription Charges assessed against the alleged unauthorized IC by the Telephone Company are subject to rebilling to the end user or Pay Telephone Service Provider by the alleged unauthorized IC.

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8. Miscellaneous Services (Cont'd)8.5 Presubscription (Cont'd)(H) 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 Ordering Charge is applicable for this request.

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.

If an IC elects to change a CIC due to surrendering a CIC to the North American Numbering Plan (NANP) 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.

IC CIC Consolidation Charge,
per line or trunk (All jurisdictions)

Nonrecurring
Charge

\$1.30

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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8. MISCELLANEOUS SERVICES (Cont'd)8.5 Presubscription (Cont'd)8.5.1 End User/Agent Lists(A) Presubscription Lists

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:

- (1) The Telephone Company will provide a list from its customer data base. The list may be provided via electronic transmission or paper printout, at the option of the IC, at rates provided in 8.5.2. Foreign listings, PBX stations, CU Centrex stations and numbers not in service will not be provided.
 - (a) 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 8.5.2. The nonrecurring charge for the Initial List applies per state, per order. A single order may contain all end offices within a state having the same equal access conversion date. The telephone number will not be provided if an end user or agent has a nonpublished number.
 - (b) 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.
- (2) The IC agrees to use the Initial and Account Activity Lists for the sole purpose of either 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.

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8. MISCELLANEOUS SERVICES (Cont'd)8.5 Presubscription (Cont'd)8.5.1 End User/Agent Lists (Cont'd)(A) Presubscription Lists (Cont'd)

- (3) 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.
- (4) 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.
- (5) This service may be terminated by either the Telephone Company or the IC upon 30 days' written notice. 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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8. MISCELLANEOUS SERVICES (Cont'd)8.5 Presubscription (Cont'd)8.5.1 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 8.5(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 8.5(B), will be available to an IC upon request. Charges in 8.5.2 will apply. The nonrecurring charge for the Allocation List applies each time the IC orders the service. A single order may contain all end offices within a state having the same equal access conversion date.

(C) Snapshot List

The Snapshot List is a summary of selected end user and agent information for specific ICs which reside in the Telephone Company customer data base. The Snapshot List may be provided via electronic transmission or paper printout, at the option of the IC, at rates provided in 8.5.2(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 no later than 30 days after receipt of the order. The nonrecurring charge for the Snapshot List applies per state, per order.

The purpose, liability and objectives associated with the provision of the Snapshot List are in 8.5.1(A)(2), (3), (4) and (5).

(D) Line Range Reports - Lines Not Available For Subscription

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 services/equipment which make it not available 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 8.5.2(C).

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8. MISCELLANEOUS SERVICES (Cont'd)8.5 Presubscription (Cont'd)8.5.2 End User/Agent Lists-Rates and Charges(A) Initial and Allocation Lists

| | <u>Nonrecurring Charge Per State, Per Order</u> | <u>Initial List Per Customer* Account</u> | <u>Allocation List Per Listing*</u> |
|---------------------|---|---|---|
| <u>Jurisdiction</u> | | | |
| Alabama | \$50.00 | \$.03 | \$.03 |
| Missouri | 50.00 | .03 | .03 |

* For the purpose of the Initial List customer and agent are 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 a Primary Interexchange Carrier Selection.

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8. MISCELLANEOUS SERVICES (Cont'd)8.5 Presubscription (Cont'd)8.5.2 End User/Agent Lists-Rates and Charges (Cont'd)(B) Snapshot List

| <u>Jurisdiction</u> | <u>Nonrecurring Charge Per State, Per Order</u> | <u>Snapshot List Per Listing*</u> |
|---------------------|---|---------------------------------------|
| Alabama | \$75.00 | \$.05 |
| Missouri | 75.00 | .05 |

* For the purpose of the Snapshot List, a listing is defined as an end user or agent record eligible for a Primary Interexchange Carrier Selection.

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8. MISCELLANEOUS SERVICES (Cont'd)8.5 Presubscription (Cont'd)8.5.2 End User/Agent Lists-Rates and Charges (Cont'd)(C) Line Range Reports - Lines Not Available For SubscriptionNonrecurring Charge
Per OrderJurisdiction

| | |
|----------|----------|
| Alabama | \$583.00 |
| Missouri | 583.00 |

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8. Miscellaneous Services (Cont'd)8.6 Billing Name and Address Services

The Telephone Company will, upon request, provide Billing Name and Address Service (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 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.

8.6.1 Per Call/Periodic BNA and Data Gathering Service

Per Call/Periodic BNA is the billing name and address 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:

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 8.6.3(A). Charges for each record accessed for DGS are set forth under 8.6.3(B). Per Call/Periodic BNA and DGS will be provided via magnetic tape or paper format, at the option of the customer, at rates in 8.6.3(A) or 8.6.3(B), respectively. The processing fee will be applied on a per state basis, once per calendar year for BNAS processing done within that calendar year.

The customer must order Per Call/Periodic BNA or DGS and provide test data tape at least 30 days prior to delivery of the first customer order.

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.

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8. Miscellaneous Services (Cont'd)8.6 Billing Name and Address Services (Cont'd)8.6.1 Per Call/Periodic BNA and Data Gathering Service (Cont'd)

Per Call/Periodic BNA and DGS information for nonlisted/nonpublished end user telephone numbers will be provided unless the nonlisted/nonpublished end user provides written notice 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.

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.

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.

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.

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.

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.

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8. Miscellaneous Services (Cont'd)8.6 Billing Name and Address Services (Cont'd)8.6.2 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 64.1201(c)(1) of the FCC's Rules and Regulations. In addition, End User Validation List Service is offered subject to the following:

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 on a national, multi-state or state level basis, at the option of the customer, 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 8.6.3(C).

Per calendar year, the customer may request up to two (2) lists per state for business, coin, and residence listings.

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 8.6.3 (C).

Each request shall be treated as a new request. Requests for updates from previous lists will not be provided.

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.

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 8.6.3 (C) applies per request, whether ordered on a per state, multi-state, or national level.

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 information to its authorized billing and collection agent or to governmental law enforcement agencies.

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8. Miscellaneous Services (Cont'd)8.6 Billing Name and Address Services (Cont'd)8.6.3 Rates and Charges(A) Per Call/Periodic BNA

| | Billing Name and Address <u>Found/Each</u> | Billing Name and Address <u>Not Found/Each</u> | <u>Processing Fee*</u> Paper Report, Electronic Transmission <u>Each State</u> |
|---------------------|--|--|--|
| <u>Jurisdiction</u> | | | |
| Alabama | \$.43 | \$.47 | \$49.25 |
| Missouri | .17 | .17 | 44.77 |

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8. Miscellaneous Services (Cont'd)8.6 Billing Name and Address Service (Cont'd)8.6.3 Rates and Charges(B) Data Gathering Service

| <u>Jurisdiction</u> | <u>Per Record Accessed</u> | <u>Processing Fee*</u> |
|---------------------|--------------------------------|---|
| | | <u>Paper Report, Electronic Transmission Each State</u> |
| Alabama | \$.19 | \$75.00 |
| Missouri | .27 | 76.65 |

* Applies once per calendar year for DGS processing done within that calendar year.

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8. Miscellaneous Services (Cont'd)8.6 Billing Name and Address Services (Cont'd)8.6.3 Rates and Charges(C) End User Validation List

| <u>Jurisdiction</u> | <u>Standard Sort, Per Record Provided</u> | <u>Administrative Fee</u> | |
|---------------------|---|--|--|
| | | <u>Paper Report, Electronic Transmission Per Request</u> | <u>Special Sort, Per Record Provided</u> |
| Alabama | \$.032 | \$78.00 | \$.053 |
| Missouri | .031 | 78.00 | .054 |

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8. MISCELLANEOUS SERVICES (Cont'd)8.7 Denial/Restoral Service

The Telephone Company will, upon request, provide Denial/Restoral service to ICs for those end users that have designated the IC as their primary interexchange carrier.

- (A) Denial/Restoral service provides for Telephone Company notification to an IC that an end user's local exchange service has been temporarily suspended due to non-payment of the end user's local exchange service. Subsequently, the Telephone Company will provide notification to the IC if the end user's service has been restored from temporary suspension.
- (B) Notification shall be provided via the Customer Account Record Exchange electronic interface.
- (C) The IC 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 provided by Denial/Restoral service only for the purposes of billing services provided to their end users.
- (D) A charge in (E) will apply to the IC for each notification per end user local telephone exchange service number provided to the IC.
- (E) Denial/Restoral Service
- per telephone number provided \$.10

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8. Miscellaneous Services (Cont'd)8.8 Telecommunications Service Priority8.8.1 General

The Telephone Company will arrange a Telecommunications Service Priority (TSP) installation and service restoration classification on receipt of certification in conformance with Part 64, Subpart D, Appendix A of the Federal Communications Commission's Rules and Regulations.

The TSP System is a service, developed to meet the requirements of the Federal Government, for the priority installation and/or restoration of NSEP telecommunications services. These include both Switched and Special Access Services. The TSP System applies only to NSEP telecommunications services and requires and authorizes priority action by the Telephone Company.

The TSP System shall be provided in accordance with the guidelines set forth in "Telecommunications Service Priority (TSP) System for National Security Emergency Preparedness (NSEP) Service Vendor Handbook" (NCS) H 3-1-2 dated July 9, 1990 and "Telecommunications Security Emergency Preparedness (NSEP) Service User Manual" (NCS) M 3-1-1.

8.8.2 Priority Installation

Expedited order charges, as set forth in Section 5.3.1.(D), are applicable to access orders submitted with a TSP installation priority. Access orders requiring the special construction of facilities will be subject to the regulations, rates and charges of BRIGHTSPEED LOCAL OPERATING COMPANIES Tariff F.C.C. No. 4, Special Construction.

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8. Miscellaneous Services (Cont'd)8.8 Telecommunications Service Priority (Cont'd)8.8.3 Priority Restoration

- (A) New orders with priority level assignments will be provisioned in accordance with the guidelines established for TSP. The Telephone Company will not accept orders for new Restoration Priority System (RP) circuits after September 10, 1990. Applications for circuits previously provisioned under RP must be resubmitted for provisioning in accordance with the guidelines established for TSP during the 30-month transition period between September 10, 1990 through March 10, 1993. The Nonrecurring Charge as set forth in 8.8.4(B) will apply to RP orders resubmitted for provisioning under the TSP System. After the transition period, the Telephone Company will discontinue any RP assignments remaining on record.
- (B) Under certain conditions it may be necessary to preempt one or more customer services with a lower or no restoration priority in order to install or restore NSEP telecommunications service(s) of a higher priority. If such preemption is necessary, and if circumstances permit, the Telephone Company will make reasonable effort to notify the preempted service customer of the action to be taken.
- (C) No additional charge applies to the implementation of a Priority Restoration level submitted concurrent with the initial order to install the Switched or Special Access Service. The nonrecurring charge set forth in 8.8.4(B) following will apply to any request to change or add a Priority Restoration level on an existing Switched or Special Access Service.

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8. Miscellaneous Services (Cont'd)8.8 Telecommunications Service Priority (Cont'd)8.8.4 Rates and Charges

The following rates and charges are in addition to all other rates and charges that may be applicable for other services that may be furnished the provisions of this tariff which operate in conjunction with the TSP System.

(A) Priority Installation of an Access Service.

- | | | |
|-----|--|--|
| (1) | Expedited Orders | Regulations, rates and charges are the same as those set forth in 5.3.1(D) preceding for Switched and Access Service. |
| (2) | Utilization of Specially Constructed Facilities. | Regulations, rates and charges are the same as those set forth in Brightspeed Local Operating Companies Tariff F.C.C. No. 4, Special Construction. |

(B) Priority Restoration (PR) Level Implementation on an Access Service.

| | <u>Monthly Rates</u> | <u>Nonrecurring Charges</u> |
|--|----------------------|-----------------------------|
| (1) When the PR level is implemented concurrent with the initial ASR. | \$4.85 | None |
| (2) When the PR level is added or changed on an existing Access Service. | \$4.85 | \$14.50 |

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8. Miscellaneous Services (Cont'd)8.9 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 general or local exchange tariff. Also, a service charge will not apply when the customer initiates international toll block in an effort to deter fraudulent activity.

| | Nonrecurring Charge |
|--|------------------------|
| International Blocking Service, per line or trunk (all jurisdictions) | \$19.95 |

8.10 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.

| | Nonrecurring Charge |
|--|------------------------|
| Service Access Code 900 Blocking (per number blocked after the first request) | \$ 5.00 |

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8. MISCELLANEOUS SERVICES (Cont'd)8.11 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.

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.

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8. Miscellaneous Services (Cont'd)8.11 Selective Class of Call Screening (SCOCS) (Cont'd)(B) Rates and ChargesMonthly Rate,
Per OptionJurisdiction

| | |
|----------|--------|
| Alabama | \$.31 |
| Missouri | .29 |

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8. Miscellaneous Services (Cont'd)8.12 Miscellaneous Equipment(A) Controller Arrangement

This arrangement enables the customer to control up to 48 transfer functions at a Telephone Company central office via a remote keyboard terminal capable of either 300 or 1200 bps operation. Included as part of the Controller Arrangement is a dial-up data station located at the Telephone company Central office to provide access to the Controller Arrangement. This dial-up data station consists of 212A DATAPHONE data set and an appropriate Telephone Company provided channel.

The Controller Arrangement must be located in the same Telephone Company central office as the transfer functions which it controls.

| | <u>Monthly Charge</u> |
|-------------------|---------------------------|
| - Per arrangement | \$100.00 |

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8. Miscellaneous Services (Cont'd)8.13 End User Port Charges

End users subscribing to Integrated Services Digital Network-Basic Rate Interface (ISDN BRI) and Integrated Services Digital Network-Primary Rate Interface (ISDN PRI) will be assessed an ISDN Line Port Charge.

When end user ISDN BRI or ISDN PRI is provided by a local service provider that resells local service (reseller), the reseller will be assessed the ISDN Line Port charge.

Each DS1 arrangement connected to the Telephone Company switch where the customer provides the terminating channelization equipment shall be assessed port charges as shown in section 8.13.1.

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8. Miscellaneous Services (Cont'd)8.13 End User Port Charges8.13.1 ISDN Charges

| <u>Jurisdiction</u> | <u>Monthly Rates Per ISDN BRI Arrangement</u> | <u>Monthly Rates Per ISDN PRI Arrangement</u> |
|---------------------|---|---|
| Alabama | \$2.76 | \$10.00 |
| Missouri | 2.76 | 10.00 |

8.13.2 DS1 Charges

| <u>Jurisdiction</u> | <u>Monthly Rates Per DS1 (1.544 Mbps)</u> |
|---------------------|---|
| Alabama | \$10.00 |
| Missouri | 10.00 |

8.14 Reserved for Future Use

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8. Miscellaneous Services (Cont'd)8.15 Payphone-Specific Coding Digits

The Telephone Company will equip local exchange telephone lines ordered by Payphone Service Providers (PSPs) from the Telephone Company's general and/or local exchange tariff with the capability to transmit three (3) payphone specific coding digits. The digits which will be transmitted to the Interexchange Carrier are: 27 for pay telephones requiring central office supervision, 29 for prison/inmate pay telephones, and 70 for pay telephones not requiring central office supervision. These digits will be transmitted via Flexible Automatic Number Identification (Flex ANI) to Interexchange Carriers who have trunks equipped with the Flex ANI optional feature as described in Section 4. The Interexchange Carriers will use this information to compensate the PSPs for subscriber 800 series calls, dial-around access code calls (e.g., 101XXXX) and any other calls placed from pay telephones and deemed compensable by the FCC.

| | <u>Monthly Rate</u> |
|--|-------------------------|
| Payphone-Specific Coding Digits Service Charge | \$0.00 |

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8. Miscellaneous Services (Cont'd)8.16 Universal Service Fund Charge

The Federal Universal Service Charge (FUSC) recovers the Telephone Company's contribution to various federal universal service funds. The Telephone Company will apply the FUSC Surcharge Factor each month to the billed charges for interstate access services provided to end users from this Tariff.

The FUSC Surcharge Factor will not apply to any billed charges for an end user when the interstate access provided to the end user qualifies under the federal universal service guidelines for the Lifeline Assistance Program. The FUSC Surcharge Factor will not apply to interstate access services purchased by customers that resell these services to end users as part of an interstate telecommunications service and are required to contribute to the various federal universal service funds. In case of a dispute regarding whether the customer is reselling services and contributing to the various federal universal service funds, the Telephone Company may request a signed certification to that effect from the customer.

The FUSC Surcharge Factor is set forth in Section 4.7.2.

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8. Miscellaneous Services (Cont'd)8.17 Local Number Portability (LNP) Query Service(A) General

LNP provides the capability that allows a customer to maintain the same Directory Number (DN) when changing from one local telecommunications service provider to another, while remaining at the same location. In addition, it allows other Telephone Company customers to complete calls to numbers that have been ported.

LNP Query Service utilizes Location Routing Number (LRN) architecture to query a data base to secure network routing instructions prior to completion of a call. For NXXs equipped with LNP capability, the data base will contain information identifying an end user's selected Local Service Provider (LSP), along with the appropriate LRN for the LSP's switch. The LRN will be used to direct the call to the correct switch for completion to the end user. When more than one network is involved in completing the call, the network immediately preceding the terminating network (i.e., the N-1 Network) is responsible for querying the LNP data base to secure the LRN used in routing the call.

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8. Miscellaneous Services (Cont'd)8.17 Local Number Portability (LNP) Query Service (Cont'd)(B) Service Provisioning(1) Manner of Provisioning

LNP Query Service will be provisioned using the LRN architecture. The LRN associates an NPA-NXX-XXXX network routing number with each central office switch that serves ported lines. This number will be known as the LRN for that switch. The LRN will be used as a network routing number for calls to ported numbers served by that switch. All switching equipment types will utilize the LRN architecture to provide LNP call processing.

(2) Limitations

LNP Query Service is to be used only on a call-by-call basis for routing calls to number portable NXX codes and cannot be used for purposes other than those functions described herein.

Information residing in the Telephone Company's LNP data base is protected from unauthorized access and may not be stored in a carrier's data base or elsewhere for any reason.

(3) Network Management

The Telephone Company will administer its network to ensure the provision of acceptable service levels to all users of the LNP Query Service.

The Telephone Company reserves the right to block any LNP Query traffic in a nondiscriminatory manner, where the processing of the LNP queries threatens to disrupt operation of its network and impair network reliability.

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8. Miscellaneous Services (Cont'd)8.17 Local Number Portability (LNP) Query Service (Cont'd)(C) LNP Query Service Application

The applications of the LNP network capability available through the Telephone Company's network are:

(1) Prearranged LNP Query

N-1 carriers may arrange in advance to have the Telephone Company query the LNP data base to route a call properly to the terminating carrier serving the ported number. This query is initiated on behalf of the N-1 carrier in the performance of its N-1 responsibility.

- If the Telephone Company's end office is the first point of switching for terminating a non-queried call and the telephone number is a ported number, the end office switch will suspend the call process and launch a query to the LNP data base. Once the routing information is returned to the end office, call processing will be resumed and the call will be routed to the correct switch for completion.
- In situations where the Telephone Company's tandem is the first point of switching for terminating a non-queried call, the tandem switch will suspend the call process and launch a query to the LNP data base. Once the routing information is returned to the tandem switch, call processing will be resumed and the call will be routed to the correct switch for completion.

The carrier will be assessed an end office or tandem Prearranged LNP Query charge, as set forth in (E) following, regardless of the outcome of the query.

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8. Miscellaneous Services (Cont'd)8.17 Local Number Portability (LNP) Query Service (Cont'd)(C) LNP Query Service Application (Cont'd)(2) Default LNP Query

N-1 carriers who do not prearrange with the Telephone Company to query the LNP data base and terminate calls into the Telephone Company's network without having performed the appropriate data base query will be assessed an end office or tandem Default LNP Query charge. This query is initiated on behalf of the N-1 carrier in the performance of its N-1 responsibility, and may require the Telephone Company to assume extraordinary measures to meet the demand of the unforecasted default queries.

- If the Telephone Company's end office is the first point of switching for terminating a non-queried call and the telephone number is a ported number, the end office switch will suspend the call process and launch a query to the LNP data base. Once the routing information is returned to the end office, call processing will be resumed and the call will be routed to the correct switch for completion.
- In situations where the Telephone Company's tandem is the first point of switching for terminating a non-queried call, the tandem switch will suspend the call process and launch a query to the LNP data base. Once the routing information is returned to the tandem switch, call processing will be resumed and the call will be routed to the correct switch for completion.

The Default LNP Query charge, as set forth in (F) following, will apply, regardless of the outcome of the query.

(D) Rate Regulations

The rates and charges associated with LNP Query Service are query based and will be billed on a monthly basis, based on recorded usage. Query charges will be applied by the Telephone Company based upon the recordings of carrier queries to the data base. The Telephone Company will develop monthly charges based on an average number of queries per month if recordings are not available.

Specific rates and charges are set forth in (E) and (F) following.

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8. Miscellaneous Services (Cont'd)8.17 Local Number Portability (LNP) Query Service (Cont'd)(E) P rearranged LNP Query- Per Query

| <u>End Office</u> | <u>Tandem Office</u> |
|-----------------------|--------------------------|
| \$0.003726 | \$0.003726 |

(F) Default LNP Query- Per Query

| <u>End Office</u> | <u>Tandem Office</u> |
|-----------------------|--------------------------|
| \$0.003726 | \$0.003726 |

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8. Miscellaneous Services (Cont'd)8.18 Provision of Access Service Billing Information

- (A) The customer shall select the medium in which its official access service bills and customer service records are to be provided. This selection shall be made on a per Billing Account Number (BAN) basis and shall be submitted in writing to the Telephone Company. The customer may request that access service billing information be provided via electronic data transfer, on-line bill image, or paper format. Should the customer fail to make a selection, the official copy of the customer's access service bills and customer service records will be provided in paper format. If a customer requests their access bill in multiple formats that includes the paper format, the paper format will be considered the additional or secondary format and will be charged according to 8.18(E).
- (B) At the customer's option, additional copies of the current month's access service bill and/or customer service records will be provided via paper format at the charges specified in 8.18(E) following. Requests for additional copies of the current month's bill and/or customer service records must be submitted in writing and shall specify the medium selected by the customer.

Additional copies of a customer's previous monthly access service bills will be provided via paper format on an individual case basis. Requests for additional copies of previous monthly bills must be submitted in writing and shall specify the bill dates requested and the medium in which the copies are to be provided. The charges for providing additional copies of previous monthly access service bills will be developed by the Telephone Company on an individual case basis.

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8. Miscellaneous Services (Cont'd)8.18 Provision of Access Service Billing Information

- (C) Upon acceptance by the Telephone Company of an order for electronic data transfer, the Telephone Company will determine the period of time to implement the transmission of such material on an individual order basis.
- (D) Upon acceptance of an order by the Telephone Company for the on-line bill image format option, the Telephone Company will establish customer access to the Billing Account Number identified by the customer. The on-line bill image option captures and retains invoices on a go-forward basis from the time of initial set-up. Previous bill history will not be available in the on-line bill image format prior to the establishment of the on-line bill image format option by the customer.

The rates and charges for the provision of Access Service Billing Information for other additional or secondary formats are as specified in 8.18(E) following.

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8. Miscellaneous Services (Cont'd)8.18 Provision of Access Service Billing Information (Cont'd)(E) Additional copies of the customer's monthly bill

- per copy per Billing Account Number in paper format

| <u>Monthly Rate</u> | <u>Non-Recurring Charge</u> |
|-------------------------|---------------------------------|
| \$60.00 | \$60.00 |

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9. Interface Groups, Transmission Specifications and Channel Codes9.1 Local Transport Interface Groups

Ten Interface Groups are provided for terminating the Local Transport at the customer's premises. Each Interface Group provides a specified premises interface code (e.g., two-wire, four-wire, DS1, etc.). At the option of the customer and where transmission facilities permit, the individual transmission path between the customer's premises and the first point of switching may be provided with optional features as set forth in 6.3.1 preceding.

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

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)9.1 Local Transport Interface Groups (Cont'd)

Interface Group 1 is provided with Type C Transmission Specifications, and Interface Groups 2 through 10 are provided with Type A or B Transmission Specifications, depending on the Feature Group or Basic Serving Arrangement and whether the Access Service is routed directly or through an access tandem. All Interface Groups are provided with Data Transmission Parameters.

Only certain premises interfaces are available at the customer's premises. The premises interfaces codes associated with the Interface Groups may vary among Feature Groups and Basic Serving Arrangements. The various premises interfaces codes which are available with the Interface Groups or Basic Serving Arrangements, and the Feature Groups with which they may be used, are set forth in 9.1.11 following.

For each of the ten Interface Groups described following, the transmission path between the point of termination at the customer's premises and the first point of switching may be comprised of any form or configuration of plant and equipment capable of and typically used in the telecommunications industry for the transmission of voice and associated telephone signals within the frequency bandwidth of 300 to 3000 Hz.

9.1.1 Interface Group 1

Interface Group 1 provides a two-wire voice frequency transmission path at the point of termination at the customer's premises. Interface Group 1 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, Interface Group 1 is not provided in association with FGB, FGC, FGD, BSA-B, BSA-C or BSA-D when the first point of switching can only provide four-wire terminations.

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)9.1 Local Transport Interface Groups (Cont'd)9.1.1 Interface Group 1 (Cont'd)

The interface is provided with loop supervisory signaling. When the interface is associated with FGA or BSA-A, such signaling will be loop start or ground start signaling. When the interface is associated with FGB, FGC, FGD, BSA-B, BSA-C or BSA-D, such signaling will be reverse battery signaling. When FGB, FGC, FGD, BSA-B, BSA-C or BSA-D access service is associated with a two-way calling interface, E&M signaling shall be used.

9.1.2 Interface Group 2

Interface Group 2 provides four-wire voice frequency transmission at the point of termination at the customer's premises. The interface is provided with loop supervisory signaling. When the interface is associated with FGA or BSA-A, such signaling will be loop start or ground start signaling. When the interface is associated with FGB, FGC, FGD, BSA-B, BSA-C or BSA-D such signaling, except for two-way calling which is E&M signaling, will be reverse battery signaling.

9.1.3 Interface Group 3

Interface group 3 provides group level analog transmission at the point of termination at the customer's premises. The interface is capable of transmitting electrical signals between the frequencies of 60 to 180 kHz, with the capability to channelize up to 12 voice frequency transmission paths. Certain frequencies within the bandwidth of the Interface Group are reserved for Telephone Company use, e.g., pilot and carrier group alarm tones. Before the first point of switching, the Telephone Company will provide multiplex equipment to derive 12 transmission paths with a frequency bandwidth of approximately 300 to 3000 Hz.

The interface is provided with SF supervisory signaling for each individual transmission channel.

As of December 30, 1993, Interface Group 3 is available to existing customers only.

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)9.1 Local Transport Interface Groups (Cont'd)9.1.4 Interface Group 4

Interface group 4 provides supergroup level analog transmission at the point of termination at the customer's premises. The interface is capable of transmitting electrical signals between the frequencies of 312 to 552 kHz, with the capability to channelize up to 60 voice frequency transmission paths. Certain frequencies within the bandwidth of the Interface Group are reserved for Telephone Company use, e.g., pilot and carrier group alarm tones. Before the first point of switching, the Telephone Company will provide multiplex and channel bank equipment to derive 60 transmission paths with a frequency bandwidth of approximately 300 to 3000 Hz.

The interface is provided with SF supervisory signaling for each individual transmission channel.

As of December 30, 1993, Interface Group 4 is available to existing customers only.

9.1.5 Interface Group 5

Interface Group 5 provides mastergroup level analog transmission at the point of termination at the customer's premises. The interface is capable of transmitting electrical signals between the frequencies of 564 to 3084 kHz, with the capability to channelize up to 600 voice frequency transmission paths. Certain frequencies within the bandwidth of the Interface Group are reserved for Telephone Company use, e.g., pilot and carrier group alarm tones. Before the first point of switching, the Telephone Company will provide multiplex and channel bank equipment to derive 600 transmission paths with a frequency bandwidth of approximately 300 to 3000 Hz.

The interface is provided with SF supervisory signaling for each individual transmission channel.

As of December 30, 1993, Interface Group 5 is available to existing customers only.

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)9.1 Local Transport Interface Groups (Cont'd)9.1.6 Interface Group 6

Interface Group 6 provides DS1 level digital transmission at the point of termination at the customer's premises. The interface is capable of transmitting electrical signals at a nominal 1.544 Mbps, with the capability to channelize up to 24 voice frequency transmission paths. Before the first point of switching, when analog switching utilizing analog terminations is provided, the Telephone Company will provide multiplex and channel bank equipment to derive 24 transmission paths with a frequency bandwidth of approximately 300 to 3000 Hz. When digital switching or analog switching with digital carrier terminations is provided, the Telephone Company will provide, at the first point of switching, a DS1 signal in D3/D4 format.

The interface is provided with bit stream supervisory signaling for each individual transmission channel.

9.1.7 Interface Group 7

Interface Group 7 provides DS1C level digital transmission at the point of termination at the customer's premises. The interface is capable of transmitting electrical signals at a nominal 3.152 Mbps, with the capability to channelize up to 48 voice frequency transmission paths. Before the first point of switching, when analog switching utilizing analog terminations is provided, the Telephone Company will provide multiplex and channel bank equipment to derive up to 48 voice frequency transmission paths with a frequency bandwidth of approximately 300 to 3000 Hz. When digital switching or analog switching with digital carrier terminations is provided, the Telephone Company will provide, at the first point of switching, DS1 signals in D3/D4 format.

The interface is provided with bit stream supervisory signaling for each individual transmission channel.

As of December 30, 1993, Interface Group 7 is available to existing customers only.

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)9.1 Local Transport Interface Groups (Cont'd)9.1.8 Interface Group 8

Interface Group 8 provides DS2 level digital transmission at the point of termination at the customer's premises. The interface is capable of transmitting electrical signals at a nominal 6.312 Mbps, with the capability to channelize up to 96 voice frequency transmission paths. Before the first point of switching, when analog switching utilizing analog terminations is provided, the Telephone Company will provide multiplex and channel bank equipment in its office to derive up to 96 transmission paths with a frequency bandwidth of approximately 300 to 3000 Hz. When digital switching, or analog switching with digital carrier terminations is provided, the Telephone Company will provide, at the first point of switching, DS1 signals in D3/D4 format.

The interface is provided with bit stream supervisory signaling for each individual transmission channel.

Interface Group 8 is provided on an Individual Case Basis.

9.1.9 Interface Group 9

Interface Group 9 provides DS3 level digital transmission at the point of termination at the customer's premises. The interface is capable of transmitting electrical signals at a nominal 44.736 Mbps, with the capability to channelize up to 672 voice frequency transmission paths. Before the first point of switching, when analog switching utilizing analog terminations is provided, the Telephone Company will provide multiplex and channel bank equipment to derive up to 672 transmission paths with a frequency bandwidth of approximately 300 to 3000 Hz. When digital switching, or analog switching with digital carrier terminations is provided, the Telephone Company will provide, at the first point of switching, DS1 signals in D3/D4 format.

The interface is provided with bit stream supervisory signaling for each individual transmission channel.

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)9.1 Local Transport Interface Groups (Cont'd)9.1.10 Interface Group 10

Interface Group 10 provides DS4 level digital transmission at the point of termination at the customer's premises. The interface is capable of transmitting electrical signals at a nominal 274.176 Mbps, with the capability to channelize up to 4032 voice frequency transmission paths. Before the first point of switching, when analog switching utilizing analog terminations is provided, the Telephone Company will provide multiplex and channel bank equipment to derive up to 4032 transmission paths with a frequency bandwidth of approximately 300 to 3000 Hz. When digital switching or analog switching with digital carrier terminations is provided, the Telephone Company will provide, at the first point of switching, DS1 signals in D3/D4 format.

The interface is provided with bit stream supervisory signaling for each individual transmission channel.

Interface Group 10 is provided on an Individual Case Basis.

9.1.11 Available Premises Interface Codes

Following is a matrix showing which premises interface codes are available for each Interface Group as a function of the Telephone Company switch supervisory signaling and Feature Group. For explanations of these codes, see the Glossary of Channel Interface Codes in 9.3.1 following.

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)9.1 Local Transport Interface Groups (Cont'd)9.1.11 Available Premises Interface Codes (Cont'd)

| Interface Group | Telephone Company Switch Supervisory Signaling | Premises Interface Code | Feature Group | | | |
|--------------------|---|----------------------------|---------------|---|---|---|
| | | | A | B | C | D |
| 1 | LO | 2LS2 | X | | | |
| | LO | 2LS3 | X | | | |
| | GO | 2GS2 | X | | | |
| | GO | 2GS3 | X | | | |
| | LO, GO | 2DX3 | X | | | |
| | LO, GO | 4EA3-E | X | | | |
| | LO, GO | 4EA3-M | X | | | |
| | LO, GO | 6EB3-E | X | | | |
| | LO, GO | 6EB3-M | X | | | |
| | RV, EA, EB, EC | 2DX3 | | X | X | X |
| | RV, EA, EB, EC | 4EA3-E | | X | X | X |
| | RV, EA, EB, EC | 4EA3-M | | X | X | X |
| | RV, EA, EB, EC | 6EB3-E | | X | X | X |
| | RV, EA, EB, EC | 6EB3-M | | X | X | X |
| | EA, EB, EC | 6EC3 | | | X | X |
| | RV | 2RV3-O | | X | X | X |
| | RV | 2RV3-T | | X | X | X |
| 2 | LO, GO | 4SF2 | X | | | |
| | LO, GO | 4SF3 | X | | | |
| | LO | 4LS2 | X | | | |
| | LO | 4LS3 | X | | | |
| | LO | 6LS2 | X | | | |
| | GO | 4GS2 | X | | | |
| | GO | 4GS3 | X | | | |
| | GO | 6GS2 | X | | | |
| | LO, GO | 4DX2 | X | | | |
| | LO, GO | 4DX3 | X | | | |
| | LO, GO | 6EA2-E | X | | | |
| | LO, GO | 6EA2-M | X | | | |
| | LO, GO | 8EB2-E | X | | | |
| | LO, GO | 8EB2-M | X | | | |
| | LO, GO | 6EX2-B | X | | | |

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)9.1 Local Transport Interface Groups (Cont'd)9.1.11 Available Premises Interface Codes (Cont'd)

| <u>Interface Group</u> | <u>Telephone Company Switch Supervisory Signaling</u> | <u>Premises Interface Code</u> | <u>Feature Group</u> | | | |
|------------------------|---|--------------------------------|----------------------|----------|----------|----------|
| | | | <u>A</u> | <u>B</u> | <u>C</u> | <u>D</u> |
| 2 (Cont'd) | RV, EA, EB, EC | 4SF2 | X | X | X | |
| | RV, EA, EB, EC | 4SF3 | X | | | |
| | RV, EA, EB, EC | 4DX2 | X | X | X | |
| | RV, EA, EB, EC | 4DX3 | X | X | X | |
| | RV, EA, EB, EC | 6DX2 | | | X | |
| | RV, EA, EB, EC | 6EA2-E | X | X | X | |
| | RV, EA, EB, EC | 6EA2-M | X | X | X | |
| | RV, EA, EB, EC | 8EB2-E | X | X | X | |
| | RV, EA, EB, EC | 8EB2-M | X | X | X | |
| | EA, EB, EC | 8EC2-M | | | X | X |
| | RV | 4RV2-O | X | X | X | |
| | RV | 4RV2-T | X | X | X | |
| | RV | 4RV3-O | X | X | | |
| | RV | 4RV3-T | X | X | | |
| 3 | LO, GO | 4AH5-B | X | | | |
| | RV, EA, EB, EC | 4AH5-B | | X | X | X |
| 4 | LO, GO | 4AH6-C | X | | | |
| | RV, EA, EB, EC | 4AH6-C | | X | X | X |
| 5 | LO, GO | 4AH6-D | X | | | |
| | RV, EA, EB, EC | 4AH6-D | | X | X | X |
| 6 | LO, GO | 4DS9-15 | X | | | |
| | LO, GO | 4DS9-15L | X | | | |
| | RV, EA, EB, EC | 4DS9-15 | | X | X | X |
| | RV, EA, EB, EC | 4DS9-15L | | X | X | X |
| 7 | LO, GO | 4DS9-31 | X | | | |
| | RV, EA, EB, EC | 4DS9-32 | | X | X | X |
| | LO, GO | 4DS9-31L | X | | | |
| | RV, EA, EB, EC | 4DS9-31L | | X | X | X |

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)9.1 Local Transport Interface Groups (Cont'd)9.1.11 Available Premises Interface Codes (Cont'd)

| <u>Interface Group</u> | <u>Telephone Company Switch Supervisory Signaling</u> | <u>Premises Interface Code</u> | <u>Feature Group</u> | | | |
|----------------------------|---|------------------------------------|----------------------|----------|----------|----------|
| | | | <u>A</u> | <u>B</u> | <u>C</u> | <u>D</u> |
| 8 | LO, GO | 4DSO-63 | X | | | |
| | LO, GO | 4DSO-63L | X | | | |
| | RV, EA, EB, EC | 4DSO-63 | | X | X | X |
| | RV, EA, EB, EC | 4DSO-63L | | X | X | X |
| 9 | LO, GO | 4DS6-44 | X | | | |
| | LO, GO | 4DS6-44L | X | | | |
| | RV, EA, EB, EC | 4DS6-44 | | X | X | X |
| | RV, EA, EB, EC | 4DS6-44L | | X | X | X |
| 10 | LO, GO | 4DS6-27 | X | | | |
| | LO, GO | 4DS6-27L | X | | | |
| | RV, EA, EB, EC | 4DS6-27 | | X | X | X |
| | RV, EA, EB, EC | 4DS6-27L | | X | X | X |

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9. Interface Groups, Transmission Specifications, and Channel Codes (Cont'd)9.2 Transmission Specifications for Switched Access Service

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

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

9.2.1 Standard Transmission Specifications

Following are descriptions of the three Standard Transmission Specifications available with Switched Access Services. The specific applications in terms of the Switched Access Arrangements and Interface Groups with which the Switched Access Arrangement Standard Transmission Specifications are provided are set forth in 6.2 preceding.

(A) Type A Transmission Specifications

Type A Transmission Specifications is provided with the following parameters:

(1) Loss Deviation

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

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9. Interface Groups, Transmission Specifications, and Channel Codes (Cont'd)9.2 Transmission Specifications for Switched Access Service (Cont'd)9.2.1 Standard Transmission Specifications (Cont'd)(A) Type A Transmission Specifications (Cont'd)(2) Attenuation Distortion

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

(3) C-Message Noise

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

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

(4) C-Notch Noise

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

(5) Echo Control

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

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

(6) Standard Return Loss

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

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

(B) Type B Transmission Specifications

Type B Transmission Specifications is provided with the following parameters:

(1) Loss Deviation

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

(2) Attenuation Distortion

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

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9. Interface Groups, Transmission Specifications, and Channel Codes (Cont'd)9.2 Transmission Specifications for Switched Access Service (Cont'd)9.2.1 Standard Transmission Specifications (Cont'd)(B) Type B Transmission Specifications (Cont'd)(3) C-Message Noise

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

| <u>Route Miles</u> | <u>C-Message Noise*</u> | |
|--------------------|-------------------------|----------------|
| | <u>Type B1</u> | <u>Type B2</u> |
| less than 5 | 32 dBrnCO | 35 dBrnCO |
| 51 to 100 | 33 dBrnCO | 37 dBrnCO |
| 101 to 200 | 35 dBrnCO | 40 dBrnCO |
| 201 to 400 | 37 dBrnCO | 43 dBrnCO |
| 401 to 1000 | 39 dBrnCO | 45 dBrnCO |

(4) C-Notch Noise

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

(5) Echo Control

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

* For FGC, FGD, BSA-C and BSA-D only Type B2 will be provided. For FGA, FGB, BSA-A and BSA-B, Type B1 or B2 will be provided as set forth in Technical Reference TR-NPL-000334.

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9. Interface Groups, Transmission Specifications, and Channel Codes (Cont'd)9.2 Transmission Specifications for Switched Access Service (Cont'd)9.2.1 Standard Transmission Specifications (Cont'd)(B) Type B Transmission Specifications (Cont'd)(5) Echo Control (Cont'd)

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

(6) Standard Return Loss

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

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

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9. Interface Groups, Transmission Specifications, and Channel Codes (Cont'd)9.2 Transmission Specifications for Switched Access Service (Cont'd)9.2.1 Standard Transmission Specifications (Cont'd)(C) Type C Transmission Specification

Type C Transmission Specifications is provided with the following parameters:

(1) Loss Deviation

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

(2) Attenuation Distortion

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

(3) C-Message Noise

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

| <u>Route Miles</u> | <u>C-Message Noise*</u> | |
|--------------------|-------------------------|----------------|
| | <u>Type B1</u> | <u>Type B2</u> |
| less than 50 | 32 dBrnCO | 38 dBrnCO |
| 51 to 100 | 33 dBrnCO | 39 dBrnCO |
| 101 to 200 | 35 dBrnCO | 41 dBrnCO |
| 201 to 400 | 37 dBrnCO | 43 dBrnCO |
| 401 to 1000 | 39 dBrnCO | 45 dBrnCO |

(4) C-Notch Noise

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

For FGC, FGD, BSA-C and BSA-D only Type C2 will be provided. For FGA, FGB, BSA-A and BSA-B, Type C1 or C2 will be provided set forth in Technical Reference TR-NPL-000334.

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9. Interface Groups, Transmission Specifications, and Channel Codes (Cont'd)9.2 Transmission Specifications for Switched Access Service (Cont'd)9.2.1 Standard Transmission Specifications (Cont'd)(C) Type C Transmission Specifications (Cont'd)(5) Echo Control

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

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

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9. Interface Groups, Transmission Specifications, and Channel Codes (Cont'd)9.2 Transmission Specifications for Switched Access Service (Cont'd)9.2.2 Data Transmission Parameters

Two types of Data Transmission Parameters, i.e., Type DA and Type DB, are provided for the Switched Access Service arrangements. The specific applications in terms of the Feature Groups with which they are provided are set forth in 6.2 preceding. In addition, the Combined Access Service Arrangement is provided with Data Transmission Parameters. Following are descriptions of each parameter.

(A) Data Transmission Parameters Type DA(1) Signal to C-Notched Noise Ratio

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

(2) Envelope Delay Distortion

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

| <u>604 to 2804 Hz</u> | |
|---|------------------|
| less than 30 route miles | 500 microseconds |
| equal to or greater than 30 route miles | 900 microseconds |
| <u>1004 to 2404 Hz</u> | |
| less than 50 route miles | 200 microseconds |
| equal to or greater than 50 route miles | 400 microseconds |

(3) Impulse Noise Counts

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

(4) Intermodulation Distortion

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

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

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9. Interface Groups, Transmission Specifications, and Channel Codes (Cont'd)

9.2 Transmission Specifications for Switched Access Service (Cont'd)

9.2.2 Data Transmission Parameters (Cont'd)

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

(5) Phase Jitter

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

(6) Frequency Shift

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

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9. Interface Groups, Transmission Specifications, and Channel Codes (Cont'd)9.2 Transmission Specifications for Switched Access Service (Cont'd)9.2.2 Data Transmission Parameters (Cont'd)(B) Data Transmission Parameters Type DB(1) Signal to C-Notched Noise Ratio

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

(2) Envelope Delay Distortion

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

| <u>604 to 2804 Hz</u> | |
|---|-------------------|
| less than 50 route miles | 800 microseconds |
| equal to or greater than 50 route miles | 1000 microseconds |

| <u>1004 to 2404 Hz</u> | |
|---|------------------|
| less than 50 route miles | 320 microseconds |
| equal to or greater than 50 route miles | 500 microseconds |

(3) Impulse Noise Counts

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

(4) Intermodulation Distortion

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

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

(5) Phase Jitter

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

(6) Frequency Shift

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

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)9.3 Channel Interface and Network Channel Codes

This section explains the Channel Interface codes and Network Channel codes that the customer must specify when ordering Special Access Service. Included is an example which explains the specific characters of the code, a glossary of Channel Interface codes, impedance levels, Network Channel codes and compatible Channel Interfaces.

Example: If the customer specifies a NT Network Channel Code and a 2DS8-3 Channel Interface at the customer's premises, the following is being requested:

| | |
|------|---|
| NT = | Metallic Circuit with a Predefined Technical Specification Package (1) |
| 2 = | Number of physical wires at customer premises |
| DS = | Facility interface for direct current or voltage |
| 8 = | Variable impedance level |
| 3 = | Metallic facilities (DC continuity) for direct current/low frequency control signals or slow speed data (30 baud) |

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)9.3 Channel Interface and Network Channel Codes (Cont'd)9.3.1 Glossary of Channel Interface Codes and Options

| <u>Code</u> | <u>Option</u> | <u>Definition</u> |
|-------------|---------------|---|
| AB - | | accepts 20 Hz ringing signal at customer's point of termination |
| AC - | | accepts 20 Hz ringing signal at customer's end user's point of termination |
| AH - | | analog high capacity interface |
| - | B | 60 kHz to 108 kHz (12 channels) |
| - | C | 312 kHz to 552 kHz (60 channels) |
| - | D | 564 kHz to 3084 kHz (600 channels) |
| CT - | | Centrex Tie Trunk Termination |
| DA - | | data stream in VF frequency band at customer's end user's point of termination |
| DB - | | data stream in VF frequency band at customer's point of termination |
| - | 10 | VF for TG1 and TG2 |
| - | 43 | VF for 43 Telegraph Carrier type signals, TG1 and TG2 DC -direct current or voltage |
| - | 1 | monitoring interface with series RC combination (McCulloh format) |
| - | 2 | Telephone Company energized alarm channel |
| - | 3 | Metallic facilities (DC continuity) for direct current/low frequency control signals or slow speed data (30 baud) |
| DD - | | DATAPHONE Select-A-Station (and TABS) interface at customer's point of termination |
| DE - | | DATAPHONE Select-A-Station (and TABS) interface at the customer's end user's point of termination |
| DS - | | digital hierarchy interface |
| - | 15 | 1.544 Mbps (DS1) format per PUB 41451 plus D4 |
| - | 15E | 8-bit PCM encoded in one 64 kbps of the DS1 signal |
| - | 15F | 8-bit PCM encoded in two 64 kbps of the DS1 signal |
| - | 15G | 8-bit PCM encoded in three 64 kbps of the DS1 signal |
| - | 15H | 14/11-bit PCM encoded in six 64 kbps of the DS1 signal |
| - | 15J | 1.544 Mbps format per PUB 41451 |

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| <u>Code</u> | <u>Option</u> | <u>Definition</u> |
|-------------|---------------|---|
| DS (Cont'd) | | |
| - | 15K | 1.544 Mbps format per PUB 41451 plus extended framing format |
| - | 15L | 1.544 Mbps (DS1) with SF signaling |
| - | 27 | 274.176 Mbps (DS4) |
| - | 27L | 274.176 Mbps (DS4) with SF signaling |
| - | 31 | 3.152 Mbps (DS1C) |
| - | 31L | 3.152 Mbps (DS1C) with SF signaling |
| - | 44 | 44.736 Mbps (DS3) |
| - | 44L | 44.736 Mbps (DS3) with SF signaling |
| - | 63 | 6.312 Mbps (DS2) |
| - | 63L | 6.312 Mbps (DS2) with SF signaling |
| DU | - | digital access interface |
| - | 19 | 19.2 kbps |
| - | 24 | 2.4 kbps |
| - | 48 | 4.8 kbps |
| - | 56 | 56.0 kbps |
| - | 64 | 64 kbps |
| - | 96 | 9.6 kbps |
| - | A | 1.544 Mbps format per PUB 41451 |
| - | B | 1.544 Mbps format per PUB 41451 plus D4 |
| - | C | 1.544 Mbps format per PUB 41451 plus extended framing format |
| DX | - | duplex signaling interface at customer's point of termination |
| DY | - | duplex signaling interface at customer's end user's point of termination |
| EA | - E | type I E&M Lead Signaling. Customer at POT or customer's end user at POT originates on E Lead. |
| EA | - M | Type I E&M Lead Signaling. Customer at POT or customer's end user at POT originates on M Lead. |
| EB | - E | Type II E&M Lead Signaling. Customer at POT or customer's end user at POT originates on E Lead. |
| EB | - M | Type II E&M Lead Signaling. Customer at POT or customer's end user at originates on M Lead. |

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)9.3 Channel Interface and Network Channel Codes (Cont'd)9.3.1 Glossary of Channel Interface Codes and Options (Cont'd)

| <u>Code</u> | <u>Option</u> | <u>Description</u> |
|-------------|---------------|--|
| EC | - | Type III E&M signaling at customer POT |
| EX | - A | tandem channel unit signaling for loop start or ground start and customer supplies open end (dial tone, etc.) functions |
| EX | - B | tandem channel unit signaling for loop start or ground start and customer supplies closed end (dial pulsing, etc.) functions |
| GO | - | ground start loop signaling-open end function by customer or customer's end user |
| GS | - | ground start loop signaling-closed end function by customer or customer's end user |
| IA | - | E.I.A. (25 pin RS-232) |
| KD | - A | Ethernet at 10 Mbps, full duplex LAN |
| | - B | Ethernet at 10 Mbps, half duplex LAN |
| KE | - A | Ethernet at 100 Mbps, full duplex LAN |
| | - B | Ethernet at 100 Mbps, half duplex LAN |
| KF | - L | Ethernet at 1000 Mbps, LAN |
| KR | - A1 | Ethernet Rate-Adjustable 1 Gbps, 100 Mbps, full duplex |
| | - A3 | Ethernet Rate-Adjustable 1 Gbps, 300 Mbps, full duplex |
| | - A6 | Ethernet Rate-Adjustable 1 Gbps, 600 Mbps, full duplex |
| | - AB | Ethernet Rate-Adjustable 1 Gbps, 150 Mbps, full duplex |
| | - AK | Ethernet Rate-Adjustable 1 Gbps, 450 Mbps, full duplex |
| KQ | - A2 | Ethernet Rate-Adjustable 1 Gbps, 20 Mbps, full duplex |
| | - B2 | Ethernet Rate-Adjustable 1 Gbps, 20 Mbps, half duplex |
| | - A5 | Ethernet Rate-Adjustable 1 Gbps, 50 Mbps, full duplex |
| | - B5 | Ethernet Rate-Adjustable 1 Gbps, 50 Mbps, half duplex |
| LA | - | end user loop start loop signaling-Type A OPS registered port open end |
| LB | - | end user loop start loop signaling-Type B OPS registered port open end |
| LC | - | end user loop start loop signaling-Type C OPS registered port open end |
| LO | - | loop start loop signaling-open end function by customer or customer's end user |
| LR | - | 20 Hz automatic ringdown interface at customer with Telephone Company provided PLAR |
| LS | - | loop start loop signaling-closed end function by customer or customer's end user |
| NO | - | no signaling interface, transmission only |
| PG | - | program transmission – no dc signaling |
| | - 1 | nominal frequency from 50 to 15000 Hz |
| | - 3 | nominal frequency from 200 to 3500 Hz |
| | - 5 | nominal frequency from 100 to 5000 Hz |
| | - 8 | nominal frequency from 50 to 8000 Hz |

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| <u>Code</u> | <u>Option</u> | <u>Definition</u> |
|-------------|---------------|---|
| PR | | protective relaying* |
| RV | - O | reverse battery signaling, one way operation, originate by customer |
| | - T | reverse battery signaling, one way operation, terminate function by customer or customer's end user |
| SF | - | single frequency signaling with VF band at either customer POT or customer's end user POT |
| TF | - | telephotograph interface |

* Available only for the transmission of audio tone protective relaying signals used in the protection of electric power systems during fault conditions.

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)9.3 Channel Interface and Network Channel Codes (Cont'd)9.3.1 Glossary of Channel Interface Codes and Options (Cont'd)

| <u>Code</u> | <u>Option</u> | <u>Definition</u> |
|-------------|---------------|---|
| WD | - | |
| | - 1 | nominal passband from 300 to 18000 Hz |
| | - 2 | nominal passband from 28000 to 44000 Hz |
| | - 3 | nominal passband from 29000 to 44000 Hz |

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)9.3 Channel Interface and Network Channel Codes (Cont'd)9.3.2 Impedance

The nominal reference impedance with which the channel will be terminated for the purpose of evaluating transmission performance:

| <u>Value (ohms)</u> | <u>Code(s)</u> |
|---------------------|----------------|
| 110 | 0 |
| 150 | 1 |
| 600 | 2 |
| 900 | 3+ |
| 135 | 5 |
| 75 | 6 |
| 124 | 7 |
| Variable | 8 |
| 100 | 9 |

- + For those interface codes with a 4-wire transmission path at the customer's POT, rather than a standard 900 ohm impedance the code (3) denotes a customer provided transmission equipment termination. Such terminations were provided to customers in accordance with the F.C.C. Docket No. 20099 Settlement Agreement.

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)9.3 Channel Interface and Network Channel Codes (Cont'd)9.3.3 Digital Hierarchy Channel Interface Codes (4DS)

Customers selecting the multiplexed four-wire DSX-1 or higher facility interface option at the customer designated premises will be requested to provide subsequent system and channel assignment data. The various digital bit rates in the digital hierarchy employ the channel interface code 4DS8, 4DS9, 4DS0 or 4DS6 plus the speed options indicated below:

| <u>Interface Code and Speed Option</u> | <u>Nominal Bit Rate (Mbps)</u> | <u>Digital Hierarchy Level</u> |
|--|------------------------------------|------------------------------------|
| 4DS8-15 | 1.544 | DS1 |
| 4DS9-31 | 3.152 | DS1C |
| 4DS0-63 | 6.312 | DS2 |
| 4DS6-44 | 44.736 | DS3 |
| 4DS6-27 | 274.176 | DS4 |

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)9.3 Channel Interface and Network Channel Codes (Cont'd)9.3.4 Service Designator/Network Channel Code Conversion Table

The purpose of this table is to show the relationship between the service designator codes (e.g. VGC, MT2, etc.) and the network channel codes that are used for various administrative purposes.

| <u>Service Designator Code</u> | <u>Network Channel Code</u> |
|------------------------------------|---------------------------------|
| MTC | MQ |
| MT1 | NT |
| MT2 | NU |
| MT3 | NV |
| TGC | NQ |
| TG1 | NW |
| TG2 | NY |
| VGC | LQ |
| VG1 | LB |
| VG2 | LC |
| VG3 | LD |
| VG4 | LE |
| VG5 | LF |
| VG6 | LG |
| VG7 | LH |
| VG8 | LJ |
| VG9 | LK |
| VG10 | LN |
| VG11 | LP |
| VG12 | LR |
| APC | PQ |
| AP1 | PE |
| AP2 | PF |
| AP3 | PJ |
| AP4 | PK |
| TVC | TQ |
| TV1 | TV |
| TV2 | TW |

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)9.3 Channel Interface and Network Channel Codes (Cont'd)9.3.4 Service Designator/Network Channel Code Conversion Table (Cont'd)

| <u>Service Designator Code</u> | <u>Network Channel Code</u> |
|------------------------------------|---------------------------------|
| WA1 | WJ |
| WA1T | WQ |
| WA2 | WL |
| WA2A | WR |
| WA3 | WN |
| WA4 | WP |
| WD1 | WB |
| WD2 | WE |
| WD3 | WF |
| DA1 | XA |
| DA2 | XB |
| DA3 | XG |
| DA4 | XH |
| HCO | HS |
| HC1 | HC |
| HC1C | HD |
| HC2 | HE |
| HC3 | HF |
| HC4 | HG |

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

9.3 Channel Interface and Network Channel Codes (Cont'd)

9.3.5 Compatible Channel Interfaces

The following tables show the channel interface codes (CIs) which are compatible:

(A) Reserved for Future Use

(B) Reserved for Future Use

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)9.3 Channel Interface and Network Channel Codes (Cont'd)9.3.5 Compatible Channel Interfaces (Cont'd)(C) Voice Grade

| <u>Compatible CIs</u> | | <u>Compatible CIs</u> | | <u>Compatible CIs</u> | |
|-----------------------|------|-----------------------|--------|-----------------------|--------|
| 4AB2 | 4AB2 | | | | |
| 4AB2 | 4AC2 | 4AH5-B | 6DA2 | 4AH6-D | 2DY2 |
| 4AB3 | 4AC2 | 4AH5-B | 4DA2 | 4AH6-C | 9DY2 |
| 4AB2 | 2AC2 | 4AH5-B | 2DA2 | 4AHG-C | 9DY3 |
| 4AB3 | 2AC2 | | 4AH6-C | 6DY2 | |
| 2AB2 | 2AC2 | 4AH6-D | 4DE2 | 4AH6-C | 6DY3 |
| 2AB3 | 2AC2 | 4AH6-C | 4DE2 | 4AH6-C | 4DY2 |
| | | 4AH5-B | 4DE2 | 4AH6-C | 2DY2 |
| 4AB2 | 4SF2 | 4AH6-D | 2DE2 | 4AH5-B | 9DY2 |
| 4AB3 | 4SF2 | 4AH6-C | 2DE2 | 4AH5-B | 9DY3 |
| | | 4AH5-B | 2DE2 | 4AH5-B | 6DY2 |
| 4AH6-D | 4AC2 | | 4AH5-B | 6DY3 | |
| 4AH6-D | 2AC2 | 4AH6-D | 4DX3 | 4AH5-B | 4DY2 |
| 4AH6-C | 4AC2 | 4AH6-C | 4DX3 | 4AH5-B | 2DY2 |
| 4AH6-C | 2AC2 | 4AH5-B | 4DX3 | | |
| 4AH5-B | 4AC2 | 4AH6-D | 4DX2 | 4AH6-D | 9EA2 |
| 4AH5-B | 2AC2 | 4AH6-C | 4DX2 | 4AH6-D | 9EA3 |
| | | 4AH5-B | 4DX2 | 4AH6-D | 6EA2-E |
| 4AH6-D | 2CT3 | | 4AH6-D | 6EA2-M | |
| | | | 4AH6-D | 4EA2-E | |
| 4AH6-C | 2CT3 | | 4AH6-D | 4EA2-M | |
| 4AH5-B | 2CT3 | | 4AH6-C | 9EA2 | |
| 4AH6-D | 6DA2 | | 4AJ7-C | 9EA3 | |
| 4AH6-D | 4DA2 | 4AH6-D | 9DY2 | 4AH6-C | 6EA2-E |
| 4AH6-D | 2DA2 | 4AH6-D | 9DY3 | | |
| 4AH6-C | 6DA2 | 4AH6-D | 6DY2 | | |
| 4AH6-C | 4DA2 | 4AH6-D | 6DY3 | | |
| 4AH6-C | 2DA2 | 4AH6-D | 4DY2 | | |

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)9.3 Channel Interface and Network Channel Codes (Cont'd)9.3.5 Compatible Channel Interfaces (Cont'd)(C) Voice Grade

| <u>Compatible CIs</u> | | <u>Compatible CIs</u> | | <u>Compatible CIs</u> | |
|-----------------------|--------|-----------------------|--------|-----------------------|------|
| 4AH6-C | 6EA2-M | 4AH6-D | 6GS2 | 4AH6-D | 2LO2 |
| 4AH6-C | 4EA2-E | 4AH6-D | 4GS2 | 4AH6-C | 2LO3 |
| 4AH6-C | 4EA2-M | 4AH6-D | 2GS3 | 4AH6-C | 2LO2 |
| 4AH5-B | 9EA2 | 4AH6-D | 2GS2 | 4AH5-B | 2LO3 |
| 4AH5-B | 9EA3 | 4AH6-C | 6GS2 | 4AH5-B | 2LO2 |
| 4AH5-B | 6EA2-E | 4AH6-C | 4GS2 | | |
| 4AH5-B | 6EA2-M | 4AH6-C | 2GS3 | 4AH6-B | 4LR2 |
| 4AH5-B | 4EA2-E | 4AH6-C | 2GS2 | 4AH6-D | 2LR2 |
| 4AH5-B | 4EA2-M | 4AH5-B | 6GS2 | 4AH6-C | 4LR2 |
| | | 4AH5-B | 4GS2 | 4AH6-C | 2LR2 |
| 4AH6-D | 8EB2-E | 4AH5-B | 2GS3 | 4AH5-B | 4LR2 |
| 4AH6-D | 8EB2-M | 4AH5-B | 2GS2 | 4AH5-B | 2LR2 |
| 4AH6-D | 6EB2-E | | | | |
| 4AH6-D | 6EB2-M | 4AH6-D | 2LA2 | 4AH6-D | 6LS2 |
| 4AH6-C | 8EB2-E | 4AH6-C | 2LA2 | 4AH6-D | 4LS2 |
| 4AH6-C | 8EB2-M | 4AH5-B | 2LA2 | 4AH6-D | 2LS2 |
| 4AH6-C | 6EB2-E | | 4AH6-D | | 2LS3 |
| 4AH6-C | 6EB2-M | 4AH6-D | 2LB2 | 4AH6-C | 6LS2 |
| 4AH5-B | 8EB2-E | 4AHG-C | 2LB2 | 4AH6-C | 4LS2 |
| 4AH5-B | 8EB2-M | 4AH5-B | 2LB2 | 4AH6-C | 2LS2 |
| 4AH5-B | 6EB2-E | | 4AH6-C | | 2LS3 |
| 4AH5-B | 6EB2-M | 4AH6-D | 2LC2 | 4AH5-B | 6LS2 |
| | | 4AH6-C | 2LC2 | 4AH5-B | 4LS2 |
| | | 4AH5-B | 2LC2 | 4AH5-B | 2LS2 |
| 4AH6-D | 2GO2 | | | | |
| 4AH6-D | 2GO3 | | | | |
| 4AH6-C | 2GO2 | | | | |
| 4AH6-C | 2GO2 | | | | |
| 4AH5-B | 2GO2 | 4AH6-D | 2LO3 | 4AH5-B | 2LS3 |
| 4AH5-B | 2GO3 | | | | |

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)9.3 Channel Interface and Network Channel Codes (Cont'd)9.3.5 Compatible Channel Interfaces (Cont'd)(C) Voice Grade (Cont'd)

| <u>Compatible CIs</u> | | <u>Compatible CIs</u> | | <u>Compatible CIs</u> | |
|-----------------------|--------|-----------------------|--------|-----------------------|--------|
| 4AH6-D | 4NO2 | 4AH6-D | 4TF2 | 2CT3 | 8EB2-E |
| 4AH6-D | 2NO2 | 4AJ7-D | 2TF2 | 2CT3 | 8EB2-M |
| 4AH6-C | 4NO2 | 4AH6-C | 4TF2 | | |
| 4AH6-C | 2NO2 | 4AH6-C | 2TF2 | 2CT3 | 6482-E |
| 4AH5-B | 4NO2 | 4AH5-B | 4TF2 | 2CT3 | 6EB2-M |
| 4AH5-B | 2NO2 | 4AH5-B | 2TF2 | | |
| | | | | 2CT3 | 6EB3-E |
| | | | | 2CT3 | 4DS9-* |
| | | | | 2CT3 | 8EC2 |
| | | 2CT3 | 6DX2 | | |
| | | 2CT3 | 4DX2 | 2CT3 | 4SF2 |
| | | 2CTS | 4DX3 | 2CT3 | 4SF3 |
| 4AH6-D | 4PR2 | 2CT3 | 9DY3 | 6DA2 | 6DA2 |
| 4AH6-D | 2PR2 | 2CT3 | 6DY3 | 6DA2 | 4DA2 |
| 4AH6-C | 4PR2 | 2CT3 | 9DT2 | 4DA2 | 4DA2 |
| 4AH6-C | 2PR2 | 2CT3 | 6DY2 | | |
| 4AH5-B | 4PR2 | 2CT3 | 4DY3 | 4DB2 | 6DA2 |
| 4AH5-B | 2PR2 | 2CT3 | 2DY2 | 4DB2 | 4DA2 |
| | | | | 4DB2 | 2DA2 |
| 4AH6-D | 4RV2-T | 2CT3 | 9EA3 | 2DB3 | 2DA2 |
| 4AH6-D | 2RV2-T | 2CT3 | 9EA2 | 2DB2 | 2DA2 |
| 4AH6-C | 4RV2-T | 2CT3 | 6EA2-E | 4DB2 | 4DB2 |
| 4AH6-C | 2RV2-T | 2CT3 | 6EA2-M | 4DB2 | 4NO2 |
| 4AH5-B | 4TV2-T | 2CT3 | 4EA2-E | 4DB2 | 2NO2 |
| 4AH5-B | 2RV2-T | 2CT3 | 4EA2-M | 2DB2 | 2NO2 |
| 4AH6-D | 4SF2 | | | 4DB2 | 4PR2 |
| 4AH6-C | 4SF2 | | | 4DB2 | 2PR2 |
| 4AH5-B | 4SF2 | | | 2DB2 | 2PR2 |
| 4AH6-D | 4SF3 | | | | |
| 4AH6-C | 4SF3 | | | | |
| 4AH5-B | 4SF3 | | | | |

* See 9.3.3 preceding for explanation.

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)9.3 Channel Interface and Network Channel Codes (Cont'd)9.3.5 Compatible Channel Interfaces (Cont'd)(C) Voice Grade (Cont'd)

| <u>Compatible CIs</u> | | <u>Compatible CIs</u> | |
|-----------------------|------|-----------------------|--------|
| 4DD3 | 4DE2 | 4DS8-* | 9DY3 |
| 4DD3 | 2DE2 | 4DS8-* | 9DY2 |
| | | 4DS8-* | 6DY3 |
| 4DS8-* | 4AC2 | 4DS8-* | 6DY2 |
| 4DS8-* | 2AC2 | 4DS8-* | 4DY2 |
| | | 4DS8-* | 2DY2 |
| 4DS8-* | 6DA2 | | |
| 4DS8-* | 4DA2 | | |
| 4DS8-* | 2DA2 | 4DS8-* | 9EA2 |
| | | 4DS8-* | 9EA3 |
| 4DS8-* | 4DE2 | 4DS8-* | 6EA2-E |
| 4DS8-* | EDE2 | 4DS8-* | 6EA2-M |
| | | 4DS8-* | 4EA2-E |
| 4DS8-* | 4DX3 | 4DS8-* | 4EA2-E |
| 4DS8-* | 4DX2 | | |

* See 9.3.3 preceding for explanation.

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| <u>Compatible CIs</u> | | <u>Compatible CIs</u> | | <u>Compatible CIs</u> | |
|-----------------------|--------|-----------------------|--------|-----------------------|--------|
| 4DS8-* | 8EB2-E | 4DS8-* | 4NO2 | 4DX3 | 9DY2 |
| 4DS8-* | 8EB2-M | 4DS8-* | 2NO2 | 4DX2 | 6DY3 |
| 4DS8-* | 6EB2-E | | | 4DX3 | 6DY3 |
| 4DS8-* | 6EB2-M | 4DS8-* | 4PR2 | 4DX2 | 6DY2 |
| | | 4DS8-* | 2PR2 | 4DX3 | 6DY2 |
| 4DS8-* | 2GO2 | | | 4DX2 | 4DY2 |
| 4DS8-* | 2GO3 | 4DS8-* | 4RV2-T | 4DX3 | 4DY2 |
| 4DS8-* | 6GS2 | 4DS8-* | 2RV2-T | 4DX2 | 2DY2 |
| 4DS8-* | 4GS2 | | | 4DX3 | 2DY2 |
| 4DS8-* | 2GS2 | 4DS8-* | 4SF2 | | |
| 4DS8-* | 2GS3 | 4DS8-* | 4SF3 | 6DX2 | 9EA3 |
| | | | | 6DX2 | 9EA2 |
| 4DS8-* | 2LA2 | 4DS8-* | 4TF2 | 6DX2 | 6EA2-E |
| | | 4DS8-* | 2TF2 | 6DX2 | 6EA2-M |
| 4DS8-* | 2LB2 | | | 6DX2 | 4EA2-E |
| | | 4DX2 | 4DX2 | 6DX2 | 4EA2-M |
| 8DS8-* | 2LC2 | 4DX3 | 4DX2 | 4DX2 | 9EA2 |
| | | 4DX3 | 4DX3 | 4DX3 | 9EA2 |
| 4DS8-* | 2LO2 | | | 4DX2 | 9EA3 |
| 4DS8-* | 2LO3 | 6DX2 | 9DY3 | 4DX3 | 9EA3 |
| | | 6DX2 | 9DY2 | 4DX2 | 6EA2-E |
| 4DS8-* | 4LR2 | 6DX2 | 6DY3 | 4DX3 | 6EA2-E |
| 4DS8-* | 2LR2 | 6DX2 | 6DY2 | 4DX2 | 6EA2-M |
| | | 6DX2 | 4DY2 | 4DX3 | 6EA2-M |
| 4DS8-* | 6LS2 | 6DX2 | 2DY2 | 4DX2 | 4EA2-E |
| 4DS8-* | 4LS2 | 4DX2 | 9DY3 | 4DX3 | 4EA2-E |
| 4DS8-* | 2LS2 | 4DX3 | 9DY3 | 4DX2 | 4EA2-M |
| 4DS8-* | 2LS3 | 4DX2 | 9DY2 | 4DX3 | 4EA2-M |

* See 9.3.3 preceding for explanation.

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)9.3 Channel Interface and Network Channel Codes (Cont'd)9.3.5 Compatible Channel Interfaces (Cont'd)(C) Voice Grade (Cont'd)

| <u>Compatible CIs</u> | | <u>Compatible CIs</u> | | <u>Compatible CIs</u> | |
|-----------------------|--------|-----------------------|--------|-----------------------|------|
| 6DX2 | 8EB2-E | 4DX2 | 6LS2 | 9DY2 | 6DY3 |
| 6DX2 | 8EB2-M | 4DX3 | 6LS2 | 9DY3 | 4DY2 |
| 6DX2 | 6EB2-E | 4DX3 | 4LS2 | 9DY2 | 4DY2 |
| 6DX2 | 6EB2-M | 4DX2 | 4LS2 | 9DY2 | 2DY2 |
| 4DX2 | 8EB2-E | 4DX3 | 2LS3 | 9DY3 | 2DY2 |
| 4DX2 | 8EB2-M | 4DX2 | 2LS3 | 6DY3 | 6DY3 |
| 4DX3 | 8EB2-E | 4DX3 | 2LS2 | 6DY3 | 6DY2 |
| 4DX3 | 8EB2-M | 4DX2 | 2LS2 | 6DY2 | 6DY2 |
| 4DX2 | 6EB2-E | 2DX3 | 2LS2 | 6DY3 | 4DY2 |
| 4DX2 | 6EB2-M | 2DX3 | 2LS3 | 6DY3 | 2DY2 |
| 4DX3 | 6EB2-E | | | 6DY2 | 4DY2 |
| 4DX3 | 6EB2-M | 4DX3 | 4RV2-T | 6DY2 | 2DY2 |
| | | 4DX2 | 4RV2-T | 4DY2 | 2DY2 |
| 4DX2 | 2LA2 | 4DX3 | 2RV2-T | 4DY2 | 4DY2 |
| 4DX3 | 2LA2 | 4DX2 | 2RV2-T | | |
| 2DX3 | 2LA2 | | | 6EA2-E | 4AC2 |
| | | 6DX2 | 4SF2 | 6EA2-M | 4AC2 |
| 4DX2 | 2LB2 | 4DX2 | 4SF2 | 6EA2-E | 2AC2 |
| 4DX3 | 2LB2 | 4DX3 | 4SF2 | 6EA2-M | 2AC2 |
| 2DX3 | 2LB2 | 4DX2 | 4SF3 | | |
| | | 4DX3 | 4SF3 | 9EA2 | 9DY3 |
| | | | | | |
| 4DX2 | 2LC2 | | | 9EA2 | 9DY2 |
| 4DX3 | 2LC2 | 9DY3 | 9DY3 | 9EA2 | 6DY3 |
| 2DX3 | 2LC2 | 9DY3 | 9DY2 | 9EA2 | 6DY2 |
| | | 9DY2 | 9DY2 | 9EA2 | 4DY2 |
| 4DX2 | 2LO3 | 9DY3 | 6DY3 | 9EA2 | 2DY2 |
| 4DX3 | 2LO3 | 9DY3 | 6DY2 | 9EA3 | 9DY3 |
| 2DX3 | 2LO3 | 9DY2 | 6DY2 | | |

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)9.3 Channel Interface and Network Channel Codes (Cont'd)9.3.5 Compatible Channel Interfaces (Cont'd)(C) Voice Grade (Cont'd)

| <u>Compatible CIs</u> | | <u>Compatible CIs</u> | | <u>Compatible CIs</u> | |
|-----------------------|------|-----------------------|--------|-----------------------|--------|
| 9EA3 | 9DY2 | 4EA2-M | 9DY2 | 4EA3-E | 9EA2 |
| 9EA3 | 6DY3 | 4EA2-M | 6DY3 | 4EA3-E | 9EA3 |
| 9EA3 | 6DY2 | 4EA2-M | 6DY2 | 4EA2-M | 4EA2-M |
| 9EA3 | 4DY2 | 4EA2-M | 4DY2 | | |
| 9EA3 | 2DY2 | 4EA2-M | 2DY2 | 9EA2 | 8EB2-E |
| 6EA2-E | 9DY3 | | | 9EA2 | 8EB2-M |
| 6EA2-E | 9DY2 | 9EA2 | 9EA2 | 9EA2 | 6EB2-E |
| 6EA2-E | 6DY3 | 9EA2 | 9EA3 | 9EA2 | 6EB2-M |
| 6EA2-E | 6DY2 | 9EA2 | 6EA2-E | 9EA3 | 8EB2-E |
| 6EA2-E | 4DY2 | 9EA2 | 6EA2-M | 9EA3 | 8EB2-M |
| 6EA2-E | 2DY2 | 9EA2 | 4EA2-E | 9EA3 | 6EB2-E |
| 6EA2-M | 9DY3 | 9EA2 | 4EA2-M | 9EA3 | 6EB2-M |
| 6EA2-M | 9DY2 | 9EA3 | 9EA3 | 6EA2-E | 8EB2-E |
| 6EA2-M | 6DY3 | 9EA3 | 6EA2-E | 6EA2-E | 8EB2-M |
| 6EA2-M | 6DY2 | 9EA3 | 6EA2-M | 6EA2-E | 6EB2-E |
| 6EA2-M | 4DY2 | 9EA3 | 4EA2-E | 6EA2-E | 6EB2-M |
| 6EA2-M | 2DY2 | 9EA3 | 4EA2-M | 6EA2-M | 8EB2-E |
| 4EA2-E | 9DY3 | 6EA2-E | 6EA2-E | 6EA2-M | 8EB2-M |
| 4EA2-E | 9DY2 | 6EA2-E | 6EA2-M | 6EA2-M | 6EB2-E |
| 4EA3-E | 9DY3 | 6EA2-M | 6EA2-M | 6EA2-M | 6EB2-M |
| 4EA3-E | 9DY2 | 6EA2-E | 4EA2-E | 4EA2-E | 8EB2-E |
| 4EA3-E | 6DY3 | 6EA2-E | 4EA2-M | 4EA2-E | 8EB2-M |
| 4EA3-E | 6DY2 | 6EA2-M | 4EA2-E | 4EA3-E | 8EB2-E |
| 4EA3-E | 4DY2 | 6EA2-M | 4EA2-M | 4EA3-E | 8EB2-M |
| 4EA3-E | 2DY2 | 4EA2-E | 4EA2-E | 4EA2-E | 6EB2-E |
| 4EA2-E | 6DY3 | 4EA3-E | 6EA2-E | 4EA2-E | 6EB2-M |
| 4EA2-E | 6DY2 | 4EA3-E | 6EA2-M | 4EA3-E | 6EB2-E |
| 4EA2-E | 4DY2 | 4EA3-E | 4EA2-E | 4EA3-E | 6EB2-M |
| 4EA2-E | 2DY2 | 4EA3-E | 4EA2-M | 4EA2-M | 8EB2-E |
| 4EA2-M | 9DY3 | 4EA2-E | 4EA2-M | | |

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)9.3 Channel Interface and Network Channel Codes (Cont'd)9.3.5 Compatible Channel Interfaces (Cont'd)(C) Voice Grade (Cont'd)

| <u>Compatible CIs</u> | | <u>Compatible CIs</u> | | <u>Compatible CIs</u> | |
|-----------------------|--------|-----------------------|------|-----------------------|--------|
| 4EA2-M | 8EB2-M | 9EA3 | 43F2 | 6EB3-E | 9DY2 |
| 4EA2-M | 6EB2-E | 9EA2 | 4SF2 | 6EB3-E | 9DY3 |
| 4EA2-M | 6EB2-M | 6EA2-E | 4SF3 | 6EB2-E | 6DY2 |
| | | 6EA2-M | 4SF3 | 6EB3-E | 6DY2 |
| 6EA2-E | 2LA2 | 6EA2-E | 4SF2 | 6EB2-E | 6DY3 |
| 6EA2-M | 2LA2 | 6EA2-M | 4SF2 | 6EB3-E | 6DY3 |
| | | 4EA3-E | 4SF2 | 6EB2-E | 4DY2 |
| 6EA2-E | 2LB2 | 4EA2-E | 4SF2 | 6EB3-E | 2DY2 |
| 6EA2-M | 2LB2 | 4EA2-M | 4SF2 | 6EB3-E | 4DY2 |
| | | | | 6EB2-M | 9DY2 |
| 6EA2-E | 2LC2 | 8EB2-E | 4AC2 | 6EB2-M | 9DY3 |
| 6EA2-M | 2LC2 | 8EB2-M | 4AC2 | 6EB2-M | 6DY2 |
| | | 8EB2-E | 2AC2 | 6EB2-M | 6DY3 |
| 6EA2-E | 2LO3 | 8EB2-M | 2AC2 | 6EB2-M | 4DY2 |
| 6EA2-M | 2LO3 | | | 6EB2-E | 2DY2 |
| | | 8EB2-E | 9DY3 | 6EB2-M | 2DY2 |
| 6EA2-E | 6LS2 | 8EB2-E | 9DY2 | | |
| 6EA2-M | 6LS2 | 8EB2-E | 6DY3 | 6EB3-E | 9EA2 |
| 6EA2-E | 4LS2 | 8EB2-E | 6DY2 | 6EB3-E | 9EA3 |
| 6EA2-M | 4LS2 | 8EB2-E | 4DY2 | 6EB3-E | 6EA2-E |
| 6EA2-E | 2LS2 | 8EB2-E | 2DY2 | 6EB3-E | 6EA2-M |
| 6EA2-M | 2LS2 | 8EB2-M | 9DY3 | 6EB3-E | 4EA2-E |
| 6EA2-E | 2LS3 | 8EB2-M | 9DY2 | 6EB3-E | 4EA2-M |
| 6EA2-M | 2LS3 | 8EB2-M | 6DY3 | | |
| | | 8EB2-M | 6DY2 | 8EB2-E | 8EB2-E |
| 6EA2-E | 4RV2-T | 8EB2-M | 4DY2 | 8EB2-E | 8EB2-M |
| 6EA2-M | 4RV2-T | 8EB2-M | 2DY2 | 8EB2-M | 8EB2-M |
| 6EA2-E | 2RV2-T | 6EB2-E | 9DY2 | 8EB2-E | 6EB2-E |
| 6EA2-M | 2RV2-T | 6EB2-E | 9DY3 | 8EB2-E | 6EB2-M |

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)9.3 Channel Interface and Network Channel Codes (Cont'd)9.3.5 Compatible Channel Interfaces (Cont'd)(C) Voice Grade (Cont'd)

| <u>Compatible CIs</u> | | <u>Compatible CIs</u> | | <u>Compatible CIs</u> | |
|-----------------------|--------|-----------------------|--------|-----------------------|--------|
| 8EB2-M | 6EB2-E | 8EB2-E | 4RV2-T | 8EC2 | 8EB2-M |
| 8EB2-M | 6EB2-M | 8EB2-M | 4RV2-T | 8EC2 | 6EB2-E |
| 6EB2-E | 6EB2-E | 8EB2-E | 2RV2-T | 8EC2 | 6EB2-M |
| 6EB2-E | 6EB2-M | 8EB2-M | 2RV2-T | | |
| 6EB3-E | 8EB2-E | | | 8EC2 | 4SF2 |
| 6EB3-E | 8EB2-M | 8EB2-E | 4SF2 | 6EX2-B | 2GO3 |
| 6EB2-M | 6EB2-M | 8EB2-M | 4SF2 | 6EX2-A | 6GS2 |
| | 8EB2-E | 4SF3 | 6EX2-A | 4GS2 | |
| 8EB2-E | 2LA2 | 8EB2-M | 4SF3 | 6EX2-A | 2GS2 |
| 8EB2-M | 2LA2 | 6EB3-E | 4SF2 | 6EX2-A | 2GS3 |
| | | 6EB2-E | 4SF2 | | |
| 8EB2-E | 2LB2 | 6EB2-M | 4SF2 | 6EX2-B | 2LA2 |
| 8EB2-M | 2LB2 | | | | |
| | | 8EC2 | 9DY2 | 6EX2-B | 2LB2 |
| 8EB2-E | 2LC2 | 8EC2 | 9DY3 | | |
| 8EB2-M | 2LC2 | 8EC2 | 6DY2 | 6EX2-B | 2LC2 |
| | | 84C2 | 6DY3 | | |
| 8EB2-E | 2LO3 | 8EC2 | 4DY2 | 6EX2-B | 2LO2 |
| 8EB2-M | 2LO3 | 8EC2 | 2DY2 | 6EX2-B | 2LO3 |
| 8EB2-E | 6LS2 | 8EC2 | 9EA2 | 6EX2-B | 4LR2 |
| 8EB2-M | 6LS2 | 8EC2 | 9EA3 | 6EX2-B | 2LR2 |
| 8EB2-E | 4LS2 | 8EC2 | 6EA2-E | | |
| 8EB2-M | 4LS2 | 8EC2 | 6EA2-M | 6EX2-A | 6LS2 |
| 8EB2-E | 2LS2 | 8EC2 | 4EA2-E | 6EX2-A | 4LS2 |
| 8EB2-M | 2LS2 | 8EC2 | 4EA2-M | 6EX2-A | 2LS2 |
| 8EB2-E | 2LS3 | | | 6EX2-A | 2LS3 |
| 8EB2-M | 2LS3 | 8EC2 | 8EB2-E | | |

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)9.3 Channel Interface and Network Channel Codes (Cont'd)9.3.5 Compatible Channel Interfaces (Cont'd)(C) Voice Grade (Cont'd)

| <u>Compatible CIs</u> | | <u>Compatible CIs</u> | | <u>Compatible CIs</u> | |
|-----------------------|------|-----------------------|------|-----------------------|------|
| 6EX2-A | 4SF2 | 6LO2 | 6LS2 | 4LR2 | 4SF2 |
| 6EX2-B | 4SF2 | 6LO2 | 4LS2 | 4LR3 | 4SF2 |
| | | 6LO2 | 2LS2 | | |
| 6GO2 | 6GS2 | 6LO2 | 2LS3 | 6LS2 | 2LA2 |
| 6GO2 | 4GS2 | 4LO2 | 6LS2 | 4LS2 | 2LA2 |
| 6GO2 | 2GS2 | 4LO2 | 4LS2 | 4LS3 | 2LA2 |
| GO2 | 2GS3 | 4LO3 | 6LS2 | 2LS2 | 2LA2 |
| 4GO2 | 6GS2 | 4LO3 | 4LS2 | 2LS3 | 2LA2 |
| 4GO3 | 6GS2 | 4LO3 | 2LS3 | | |
| 4GO2 | 4GS2 | 4LO3 | 2LS2 | 6LS2 | 2LB2 |
| 4GO3 | 4GS2 | 4LO2 | 2LS2 | 4LS2 | 2LB2 |
| 4GO2 | 2GS2 | 4LO2 | 2LS3 | 4LS3 | 2LB2 |
| 4GO2 | 2GS3 | 2LO3 | 2LS3 | 2LS2 | 2LB2 |
| 4GO3 | 2GS2 | 2LO3 | 2LS2 | 2LS3 | 2LB2 |
| 4GO3 | 2GS3 | 2LO2 | 2LS2 | | |
| 2GO2 | 2GS2 | 2LO2 | 2LS3 | 6LS2 | 2LC2 |
| 2GO3 | 2GS2 | | | 4LS2 | 2LC2 |
| 2GO2 | 2GS3 | 6LO2 | 4SF2 | 4LS3 | 2LC2 |
| 2GO3 | 2GS3 | 4LO2 | 4SF2 | 2LS2 | 2LC2 |
| | | 4LO3 | 4SF2 | 2LS3 | 2LC2 |
| 6GO2 | 4SF2 | | | | |
| 4GO2 | 4SF2 | 4LR2 | 4LR1 | 6LS2 | 2LO3 |
| 4GO3 | 4SF2 | 4LR3 | 2LR2 | 6LS2 | 2LO2 |
| | | 4LR2 | 4LR2 | 4LS2 | 2LO2 |
| 6GS2 | 2GO2 | 4LR2 | 2LR2 | 4LS2 | 2LO3 |
| 4GS2 | 2GO2 | 2LR2 | 2LR2 | 4LS3 | 2LO2 |
| 4GS3 | 2GO2 | 2LR3 | 2LR2 | 4LS3 | 2LO3 |
| 4GS2 | 2GO3 | | | | |

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)9.3 Channel Interface and Network Channel Codes (Cont'd)9.3.5 Compatible Channel Interfaces (Cont'd)(C) Voice Grade (Cont'd)

| <u>Compatible CIs</u> | | <u>Compatible CIs</u> | | <u>Compatible CIs</u> | |
|-----------------------|--------|-----------------------|--------|-----------------------|--------|
| 6LS2 | 4SF2 | 4SF3 | 9DY2 | 4SF3 | 2LA2 |
| 4LS3 | 4SF2 | 4SF2 | 9DY3 | | |
| | | 4SF3 | 6DY3 | 4SF2 | 2LB2 |
| 4NO2 | 6DA2 | 4SF2 | 6DY3 | 4SF3 | 2LB2 |
| 4NO2 | 4DA2 | 4SF2 | 6DY3 | | |
| 4NO2 | 2DA2 | 4SF3 | 6DY2 | 4SF2 | 2LC2 |
| 2NO2 | 2DA2 | 4SF2 | 4DY2 | 4SF3 | 2LC2 |
| | | 4SF3 | 4DY2 | | |
| 4NO2 | 4DE2 | 4SF3 | 2DY2 | 4SF2 | 2LO3 |
| 4NO2 | 2DE2 | 4SF2 | 2DY2 | 4SF3 | 2LO3 |
| 4NO2 | 4NO2 | 4SF3 | 9EA2 | 4SF2 | 2LR2 |
| 4NO2 | 2NO2 | 4SF3 | 9EA3 | 4SF3 | 4LR2 |
| 2NO2 | 2NO2 | 4SF3 | 4EA2-E | 4SF3 | 2LR2 |
| 2NO3 | 2NO2 | 4SF3 | 4EA2-M | | |
| | | | | 4SF3 | 6LS2 |
| 2NO3 | 2PR2 | 4SF3 | 6EB2-E | 4SF2 | 4LS2 |
| | | 4SF3 | 6EB2-M | 4SF3 | 4LS2 |
| 4RV2-0 | 4RV2-T | 4SF3 | 2GO3 | 4SF2 | 2LS2 |
| 4RV2-0 | 2RV2-T | 4SF3 | 6GS2 | 4SF2 | 2LS3 |
| 4RV2-0 | 2RV2-T | 4SF2 | 6GS2 | 4SF3 | 2LS2 |
| | | 4SF2 | 6GS2 | 4SF3 | 2LS3 |
| 4RV2-0 | 4SF2 | 4SF3 | 4GS2 | | |
| | | 4SF2 | 2GS2 | 4SF3 | 4RV2-T |
| 4SF2 | 4AC2 | 4SF2 | 2GS3 | 4SF2 | 4RV2-T |
| 4SF2 | 2AC2 | 4SF3 | 2GS2 | 4SF2 | 2RV2-T |
| | | 4SF3 | 2GS3 | 4SF3 | 2RV2-T |
| 4SF3 | 9DY3 | | | | |
| 4SF2 | 9DY2 | 4SF2 | 2LA2 | 4SF3 | 4SF3 |

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)9.3 Channel Interface and Network Channel Codes (Cont'd)9.3.5 Compatible Channel Interfaces (Cont'd)(C) Voice Grade (Cont'd)Compatible CIs

4SF3 4SF2

4SF2 4SF2

4TF2 4TF2

4TF2 2TF2

2TF3 2TF2

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)9.3 Channel Interface and Network Channel Codes (Cont'd)9.3.5 Compatible Channel Interfaces (Cont'd)(D) Program Audio

| <u>Compatible CIs</u> | | <u>Compatible CIs</u> | | <u>Compatible CIs</u> | |
|-----------------------|--------|-----------------------|--------|-----------------------|--------|
| 4AH5-B | 2PG1-3 | 4AH6-D | 2PG1-3 | 4DS8-I5F | 2PG2-5 |
| 4AH5-B | 2PG1-5 | 4AH6-D | 2PG1-5 | 4DS8-I5G | 2PG2-8 |
| 4AH5-B | 2PG1-8 | 4AH6-D | 2PG1-8 | 4DS8-15H | 2PG2-1 |
| 4AH5-B | 2PG2-3 | 4AH6-D | 2PG2-3 | 2PG2-1 | 2PG1-1 |
| 4AH5-B | 2PG2-5 | 4AH6-D | 2PG2-5 | 2PG2-1 | 2PG2-I |
| 4AH5-B | 2PG2-8 | 4AH6-D | 2PG2-8 | 2PG2-3 | 2PGI-3 |
| 4AH6-C | 2PG1-3 | 4DS8-15E | 2PG1-3 | 2PG2-3 | 2PG2-3 |
| 4AH6-C | 2PG1-5 | 4DS8-15F | 2PG1-5 | 2PG2-5 | 2PG1-5 |
| 4AH6-C | 2PG1-8 | 4DS8-15G | 2PG1-8 | 2PG2-5 | 2PG2-5 |
| 4AH6-C | 2PG2-3 | 4DS8-15H | 2PG1-1 | 2PG2-8 | 2PG1-8 |
| 8AH6-C | 2PG2-5 | 4DS8-15E | 2PG2-3 | 2PG2-8 | 2PG2-8 |

(E) Reserved for Future Use

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

9.3 Channel Interface and Network Channel Codes (Cont'd)

9.3.5 Compatible Channel Interfaces (Cont'd)

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(G) Reserved for Future Use

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)9.3 Channel Interface and Network Channel Codes (Cont'd)9.3.5 Compatible Channel Interfaces (Cont'd)(H) Digital Data

(1) Digital Data

| <u>Compatible CIs</u> | | <u>Compatible CIs</u> | | <u>Compatible CIs</u> | |
|-----------------------|----------|-----------------------|---------|-----------------------|---------|
| 4DS8-15 | 4DU8-15+ | 4DS8-15 | 6DU5-56 | 4DS8-15 | 6DU5-48 |
| 4DS8-15 | 4DU8-24 | 4DS8-15 | 6DU5-96 | 4DU5-96 | 4DU5-96 |
| 4DS8-15 | 4DU8-48 | 4DU5-24 | 4DU5-24 | 6DU5-24 | 6DU5-24 |
| 4DS8-15 | 4DU8-56 | 4DU5-48 | 4DU5-48 | 6DU5-48 | 6DU5-48 |
| 4DS8-15 | 6DU5-96 | 4DU8-56 | 4DU5-56 | 6DU5-56 | 6DU5-56 |
| 4DS8-15 | 6DU5-24 | 4DS9-15 | 4DU5-19 | 6DU5-96 | 6DU5-96 |
| 4DS9-15B | 4DU5-64 | 4DS6-44A | 4DU5-64 | 4DS6-44A | 4DU5-19 |

+ Available only as a cross connect of two digital circuits at appropriate digital speeds at a Telephone Company hub.

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)9.3 Channel Interface and Network Channel Codes (Cont'd)9.3.5 Compatible Channel Interfaces (Cont'd)(I) High Capacity

| <u>Compatible CIs</u> | | <u>Compatible CIs</u> | |
|-----------------------|---------------|-----------------------|---------------|
| 4DSO-63 | 4DSO-63 | 4DS8-15 | 4DU8-8 |
| 4DSO-63 | 6DU8-A,B or C | 4DS8-15J | 6DU8-A |
| 4DSO-63 | 4DU8-A,B or C | 4DS8-15J | 4DU8-A |
| 4DS6-27 | 4DS6-27 | 4DS8-15K | 6DU8-B |
| 4DS6-27 | 4DS6-27 | 4DS8-15K | 4DU8-B |
| 4DS6-27 | 6DU8-A,B or C | 4DS8-15K | 6DU8-C |
| 4DS6-27 | 4DU8-A,B or C | 4DS8-15K | 4D78-C |
| 4DS6-44 | 4DS6-44 | 4DS9-31 | 4DS9-31 |
| 4DS6-44 | 6DU8-A,B or C | 4DS9-31 | 6DU8-A,B or C |
| 4DS6-44 | 4DU8-A,B or C | 4DS9- | 4DU8-A,B or C |
| 4DS8-15 | 4DS8-15+ | 4DU9-A,B or C | 4DU8-A,B or C |
| 4DS8-15 | 6DU8-B | 4DS9-15 | 4DU5-19 |
| 4DS6-44A | 4DU5-19 | 4DS9-15B | 4DU5-64 |
| 4DS6-44A | 4DU5-64 | | |

Available only as a cross connect of two individual circuits of 1.544 Mbps facilities at a Telephone Company hub.

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10. Special Federal Government Access Services

For Special Federal Government Access Services, only Non-Competitive End-User Channel Terminations (EUCTs) are filed as part of this tariff. Special Federal Government Access for other Special Access Services to complete the circuit are outside this tariff and can be accessed at the Company's website or Company's other designated location.

10.1 General

This section covers Special Access Services that are provided to a customer for use only by agencies or branches of the Federal Government and other users authorized by the Federal Government. Services provided to state emergency operations centers are included. These services 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. The restoration of services provided in accordance with the Federal Government's Telecommunications Service Priority (TSP) System will be implemented in accordance with the regulations set forth in Section 8.8.

Services for command and control communications and for national security and emergency preparedness sometimes require short notice and short duration service provisions. 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 service under these conditions may require the availability of facilities, such as portable microwave equipment, which are provided on a temporary basis by the Company or customer.

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10. Special Federal Government Access Services (Cont'd)10.2 Emergency Conditions

These services 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.

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ACCESS SERVICE

10. Special Federal Government Access Services (Cont'd)10.3 Intervals to Provide Service

Services provided under the provisions of this section of the tariff are provided on an individual case basis. Therefore, orders for such service shall be placed under the Negotiated Interval provisions set forth in 5.1.7 preceding.

10.4 Safeguarding of Service10.4.1 Facility 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 service in the event of damage or to provide temporary emergency service as set forth in 8.8 preceding.

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 service.

10.5 Federal Government Regulations

In accordance with Federal Government Regulations, all service provided to the Federal Government will be billed in arrears. However, this provision does not apply to other customers that obtain services under the provisions of this tariff to provide their services to the Federal Government.

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10. Special Federal Government Access Services (Cont'd)10.6 Service Offerings to the Federal Government

The following unique services are provided to a customer for use only by agencies or branches of the Federal Government, other authorized users and state emergency operations centers. The rates and charges for these services shall be developed on an individual case basis and shall be consistent with the rates and charges for services offered in other sections of this tariff.

10.6.1 Type and Description(A) Voice Grade Special Access Services(1) Voice Grade Secure Communications Type I

Approximate bandwidth of 10-50,000 Hertz. Furnished for two-point secure communications on two-wire or four-wire metallic facilities between an IC premises and an end user's premises. Services are conditioned as follows:

T-3 Conditioning - The absolute loss (referenced to 1 milliwatt) with respect to frequency shall not exceed:

15 dB at 10 Hz
13 dB at 100 Hz
9 dB at 1,000 Hz
20 dB at 10,000 Hz
30 dB at 50,000 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 1,000 Hz
± 1 dB between 1,000 Hz and 40,000 Hz
± 2 dB between 10 Hz and 50,000 Hz
(+ means more loss)

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10. Special Federal Government Access Services (Cont'd)10.6 Service Offerings to the Federal Government (Cont'd)10.6.1 Type and Description (Cont'd)(A) Voice Grade Special Access Services (Cont'd)(1) Voice Grade Secure Communications Type I (Cont'd)

The net loss of the conditioned service (with or without additional conditioning) shall not vary by more than four dB at 1,000 Hz from the levels specified above. Voice frequency signaling or supervisory tones can be transmitted.

(2) Voice Grade Secure Communications Type II

Approximate bandwidth 10-50,000 Hz. Furnished on four-wire metallic facilities for duplex operation for two-point secure communications between an IC premises on an end user's premises and an end user's premises. Services are 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 services without additional conditioning. Voice frequency signaling or supervisory tones can be transmitted.

(3) Voice Grade Secure Communications Type III

Approximate bandwidth 10-50,000 Hz. Furnished on four-wire metallic facilities for duplex operation for two-point secure communications between an IC premises switch and an end user's premises. Services are conditioned as follows:

G-2 Conditioning - The absolute loss with respect to frequency and the net loss variation from the switch to an end user's premises shall be the same as Voice Grade Secure Communications Type I services without additional conditioning; from an end user's premises to the switch shall be the same as Voice Grade Secure Communications Type I services with additional conditioning. Voice frequency signaling or supervisory tones can be transmitted.

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10. Special Federal Government Access Services (Cont'd)10.6 Service Offerings to the Federal Government (Cont'd)10.6.1 Type and Description (Cont'd)(A) Voice Grade Special Access Services (Cont'd)(4) Voice Grade Secure Communications Type IV

Approximate bandwidth 10-50,000 HZ. Furnished on four-wire metallic facilities for duplex operation for two-point secure communication between two IC premises switches. Services are 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 services with additional conditioning. Voice frequency signaling or supervisory tones can be transmitted.

(B) Reserved for Future Use(C) Special Routing Access Service

Special Routing Access Service is furnished only to AT&T Communications (AT&T-C) for an agency or branch of the Federal Government. This service provides the customer's end users the ability to originate and terminate calls to or from the customer's premises utilizing a Special Routing Plan.

This service is an optional service which operates in conjunction with Trunk Side Premium Access Service furnished to AT&T-C under other provisions of this tariff

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10. Special Federal Government Access Services (Cont'd)10.6 Service Offerings to the Federal Government (Cont'd)10.6.1 Type and Description (Cont'd)(D) High Capacity DS1 Service

For Special Federal Government access arrangements, High Capacity DS1 Non-Competitive End User Channel Terminations (EUCTs) will be rated as set forth in Section 7 but will be offered with clear channel capability as a nonchargeable option. Clear channel capability is described in 7.11.4(D). For Special Access, only Non-Competitive EUCTs are filed as part of this tariff. Other Special Access Services to complete the circuit are outside this tariff and can be accessed at the Company's website or Company's other designated location.

(E) Federal Payment Plan (FPP) - DS1

Effective May 16, 2019 the following Federal Payment Plan (FPP) will be grandfathered until the expiration date of the current term. Term renewals will not be offered on these plans going forward as of this effective date. Upon expiration of the current term, rates will revert to month-to-month.

The Federal Payment Plan (FPP) rates for Special Access Non-Competitive End User Channel Terminations (EUCTs) subject to Section 203 of the Communications Act are filed in this tariff. Other Special Access rates included in this plan are not subject to Section 203 and are provided outside of this tariff

(1) Description

The Federal Payment Plan (FPP) - DS1 will be provided to 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 Circuit Terminations at rates contained in this section. In addition to the specific terms and conditions of this plan, all other regulations in Section 5 pertaining to DS1 services are applicable. All other associated rate elements or additional features are available at the tariffed rates and regulations. Special construction charges may apply.

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10. Special Federal Government Access Services (Cont'd)10.6 Service Offerings to the Federal Government (Cont'd)10.6.1 Type and Description (Cont'd)(E) Federal Payment Plan (FPP) - DS1 [1] (Cont'd)(2) FPP Enrollment

At enrollment, the customer 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.

(3) Adding Services to the Plan

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 services under the FPP are discontinued, termination liabilities will not apply.

(6) Customer Premises Change

In the case where the government agency(s) at a current customer premises chooses or is ordered to move to a new customer premises, and the new customer premises requires the same or more DS1 services, no termination liabilities will apply.

[1] Effective May 16, 2019 the Federal Payment Plan (FPP) will be grandfathered until the expiration date of the current term. Term renewals will not be offered on these plans going forward as of this effective date. Upon expiration of the current term, rates will revert to month-to-month.

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10. Special Federal Government Access Services (Cont'd)10.6 Service Offerings to the Federal Government (Cont'd)10.6.1 Type and Description (Cont'd)(E) Federal Payment Plan (FPP) - DS1 [1] (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 us 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.

(10) Termination Liabilities

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% |

[1] Effective May 16, 2019 the Federal Payment Plan (FPP) will be grandfathered until the expiration date of the current term. Term renewals will not be offered on these plans going forward as of this effective date. Upon expiration of the current term, rates will revert to month-to-month.

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10. Special Federal Government Access Services (Cont'd)10.6 Service Offerings to the Federal Government (Cont'd)10.6.1 Type and Description (Cont'd)(E) Federal Payment Plan (FPP) - DS1 [1] (Cont'd)(11) NRCs

There will be no nonrecurring charges for FPP Services.

(12) Rate Changes

The rate for the 6 to 15 year FPP DS1 will be less than the 5 year FPP DS1 monthly rate. The monthly rate for the 5 year FPP DS1 will be less than the 3 year FPP DS1 rate.

(F) Government Emergency Telecommunications Service (GETS)

- (1) The Government Emergency Telecommunications Service (GETS) is an emergency telecommunications service available to customers designated by an agency or branch of the Federal Government to transport National Security/Emergency Preparedness (NS/EP) originating and terminating access calls over the Public Switched Network (PSN) where technically feasible and only in suitably equipped offices. GETS utilizes a government identified access code which distinguishes the call as a GETS NS/EP emergency call.
- (2) The customer designated by the agency or branch of the Federal Government to provide GETS must have Feature Group C or Feature Group D Switched Access Service to transport the GETS NS/EP access call. A GETS NS/EP access minute will be rated the same as any other access minute set forth in this Tariff.
- (3) Network management service levels, as set forth in 6.4(A) preceding, are applicable to a GETS NS/EP access call.
- (4) GETS NS/EP access minutes to a customer's network not designated to provide GETS will be administered by the Telephone Company the same as any other minute.
- (5) The appropriate agency or branch of the Federal Government is responsible for ordering the government identified access code per end office.

[1] Effective May 16, 2019 the Federal Payment Plan (FPP) will be grandfathered until the expiration date of the current term. Term renewals will not be offered on these plans going forward as of this effective date. Upon expiration of the current term, rates will revert to month-to-month.

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10. Special Federal Government Access Services (Cont'd)10.6 Service Offerings to the Federal Government (Cont'd)10.6.1 Type and Description (Cont'd)(F) Government Emergency Telecommunications Service (GETS)
(Cont'd)(6) Basic GETS Features(a) High Probability of Completion Feature

GETS High Probability of Completion (HPC) provides GETS users with enhanced routing priority in the public switched network. HPC significantly improves the completion of GETS NS/EP access calls under severe network congestion and damage conditions (e.g., natural disasters, national emergencies, etc).

The HPC feature sets the call priority value and provides the capability to queue the GETS NS/EP access call against a busy switched access trunk group in a route list until a member of that trunk group becomes idle. As soon as a trunk group member becomes idle, it is offered to the queued GETS NS/EP access call before any other calls are processed.

The HPC feature works with switched access trunk groups equipped with SS7 Out of Band Signaling. The HPC feature is available in specified wire centers only as ordered by the agency or branch of the Federal Government to provide GETS.

HPC also includes all Operational Measurement (OM) and Automatic Message Accounting (AMA) reporting as agreed to between the Company and the customer designated by the agency or branch of the Federal Government to provide GETS.

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10. Special Federal Government Access Services (Cont'd)10.6 Service Offerings to the Federal Government (Cont'd)10.6.1 Type and Description (Cont'd)(F) Government Emergency Telecommunications Service (GETS)
(Cont'd)(7) Basic GETS Features (Cont'd)(b) Expanded High Probability of Completion Feature

Expanded GETS High Probability of Completion (EHPC) enables suitably equipped offices to recognize any 10 digit number with the 710 NPA code (710-XXX-XXXX) and apply the HPC feature.

(c) Office Wide Call/Egress Queuing

GETS Office Wide Call/Egress Queuing provides a greater likelihood that GETS callers will complete their HPC call during periods when the network is congested. When all trunks in a public trunk group are busy, Office Wide Call Queuing enables a call to be placed in queue on any member of the trunk group to wait its turn to be passed on through to network to called destination. When all trunks in a private trunk group (PBX system) are busy, Office Wide Egress Queuing enables a call to be placed in queue until the next trunk is available.

(d) Trunk Group Queuing

Trunk Group Queuing allows queuing of HPC calls to specific trunk group. Only those calls marked as HPC can be added to the queue.

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10. Special Federal Government Access Services (Cont'd)10.6 Service Offerings to the Federal Government (Cont'd)10.6.1 Type and Description (Cont'd)(F) Government Emergency Telecommunications Service (GETS)
(Cont'd)(7) Basic GETS Features (Cont'd)(e) Calling Party Number

Calling Party Number (CPN) is a network feature that passes the government identified access code information as the calling party on a NS/EP originating call detail record instead of the actual calling party number using FGD type signaling where technically feasible. NS/EP calls originating at switching offices not equipped with CPN will be processed with the actual calling party number. The government identified access code is determined by the agency or branch of the Federal Government responsible for GETS.

(f) Rate Application

The nonrecurring charges and monthly rates for the Basic GETS Features are described following:

- The GETS nonrecurring charge and monthly rate is for the activation and maintenance of the translation requirements for each Telephone Company end office switch and/or access tandem.
- The GETS Change Charge is a nonrecurring charge to change the feature on a per switch, per occurrence basis. This charge applies to any configuration changes within the switches.

The rates and charges are set forth in 10.6.3(F) following.

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10. Special Federal Government Access Services (Cont'd)10.6 Service Offerings to the Federal Government (Cont'd)10.6.1 Type and Description (Cont'd)(F) Government Emergency Telecommunications Service (GETS)
(Cont'd)(8) GETS Alternate Carrier Routing Feature

Alternate Carrier Routing (ACR) is an advanced network feature that provides alternate routing of a NS/EP call in the originating direction to a GETS customer using FGD type signaling, where technically feasible. The NS/EP call is first routed to the presubscribed customer of the originating line, when the presubscribed customer is a participating GETS customer. When the NS/EP call cannot be successfully routed, attempts will be made to route the call to alternate GETS customers. The sequential order in which the NS/EP call is routed is preselected on a per switching office basis by the agency or branch of the Federal Government responsible for GETS.

The ACR Activation or ACR Deactivation charge is for the translation requirements of the ACR feature, per switching office. The ACR monthly rate is for the analysis required to determine the preselected alternate route when a NS/EP call occurs. All ACR rates and charges, set forth in 10.6.3(F) following, are billed to the appropriate agency or branch of the Federal Government responsible for GETS or its authorized representative.

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10. Special Federal Government Access Services (Cont'd)10.6 Service Offerings to the Federal Government (Cont'd)10.6.1 Type and Description (Cont'd)(F) Government Emergency Telecommunications Service (GETS)
(Cont'd)(9) GETS Enhanced Alternate Carrier Routing Feature

Enhanced Alternate Carrier Routing (EACR) enables suitably equipped office to recognize any 10 digit number with the 710 NPA code (710-XXX-XXXX) and apply the HPC feature. When EACR is activated within a switch, ACR is included with the service/feature.

The EACR Activation charge recovers for the translation requirements of the EACR feature, per switching office. There is an incremental nonrecurring charge for EACR that applies only to the DMS 100/200 switches. The EACR monthly rate is for the analysis required to determine the preselected alternate route when a NS/EP call occurs and is applied per switching office. The ACR monthly rate is included with the EACR monthly rate. All EACR rates and charges, set forth in 10.6.3(F) following, are billed to the appropriate agency or branch of the Federal Government responsible for GETS or its authorized representative.

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10. Special Federal Government Access Services (Cont'd)10.6 Service Offerings to the Federal Government (Cont'd)10.6.1 Type and Description (Cont'd)(F) Government Emergency Telecommunications Service (GETS)
(Cont'd)(10) Network Service Verification Test

The Network Service Verification Test (NSVT) is a service verification test that can be required by the appropriate agency or branch of the Federal Government responsible for GETS, or its authorized representative. The NSVT shall be conducted according to a mutually agreed upon set of test cases. The test can be witnessed by the Federal Government or its representative and shall apply to one switch per test.

The NSVT charge is a one time nonrecurring charge that will apply to every test ordered. The NSVT charges, set forth in 10.6.3(F) following, are billed to the appropriate agency or branch of the Federal Government responsible for GETS or its authorized representative.

(11) GETS Service Verification Baseline

The GETS Service Verification Baseline charge is a one time nonrecurring charge that will apply to every baseline ordered, however, it will be provided at least annually by March 31st. The baseline shall consist of Network and Switch information, GETS configuration report and provisioning procedure for every switch in the network that is GETS enable. The GETS Service Verification Baseline charge, set forth in 10.6.3(F) following, is billed to the appropriate agency or branch of the Federal Government responsible for GETS or its authorized representative.

ACCESS SERVICE

10. Special Federal Government Access Services (Cont'd)10.6 Service Offerings to the Federal Government (Cont'd)10.6.2 Mileage Application

Mileage, when used for rate application between two customer premises, shall be determined by the V and H Coordinates Method as set forth in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4 and administered as set forth in 7.2.1 (B) preceding. For Special Access, only Non-Competitive End User Channel Terminations (EUCTs) are filed as part of this tariff. Other Special Access Services to complete the circuit are outside this tariff and can be accessed at the Company's website or Company's other designated location.

10.6.3 Rates and Charges(A) Voice Grade Special Access Service

The provision of T-3 and G conditioned services contemplates station and tandem switching operations, using customer provided equipment, as well as Special Access Service. Separate narrowband or voice grade services, 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 service 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 service termination | ICB rates and charges apply | | |
| Type VI, each G-3 Conditioning, | ICB rates and charges apply | | |
| Additional Conditioning, per service termination | ICB rates and charges apply | | |

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10. Special Federal Government Access Services (Cont'd)

10.6 Service Offerings to the Federal Government (Cont'd)

10.6.3 Rates and Charges (Cont'd)

(B) Reserved for Future Use

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10. Special Federal Government Access Services (Cont'd)10.6 Service Offerings to the Federal Government (Cont'd)10.6.3 Rates and Charges (Cont'd)(C) Federal Payment Plan (FPP) - DS1 Non-Competitive End User Channel Termination [1]

- Per Point of Termination

| <u>Jurisdiction</u> | <u>Month-to-Month Rate</u> | <u>Five Year Monthly Rate</u> |
|---------------------|--------------------------------|-----------------------------------|
| Alabama | \$170.83 | \$170.83 |
| Missouri | 170.83 | 170.83 |

| <u>Jurisdiction</u> | <u>Five Year Monthly Rate</u> | <u>Six to Fifteen Year Monthly Rate</u> |
|---------------------|-----------------------------------|---|
| Alabama | \$162.50 | \$153.88 |
| Missouri | 162.50 | 153.88 |

[1] Effective May 16, 2019 the Federal Payment Plan (FPP) will be grandfathered until the expiration date of the current term. Term renewals will not be offered on these plans going forward as of this effective date. Upon expiration of the current term, rates will revert to month-to-month.

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10. Special Federal Government Access Services (Cont'd)10.6 Service Offerings to the Federal Government (Cont'd)10.6.3 Rates and Charges (Cont'd)(D) Move Charges

- (1) When service without a termination charge associated with it, as set forth in (A) and (B) 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.
- (2) When service with a termination charge associated with it, as set forth in (A) and (B) preceding, is moved and is reinstalled at a new location, the customer may elect:
 - to pay the unexpired portion of the termination charge for the service, if any, with the application of nonrecurring charge and the establishment of a new termination charge for such service at the new location, or
 - to continue service subject to the unexpired portion of the termination charge, if any, and pay the estimated costs of moving such service, provided that the customer requests these charges be quoted prior to ordering the service move. Charges for moving such service will be based on estimated costs attributable to the move.

Move charges include the estimated costs of removal, of services or facilities necessitated by the move, transportation, storage, reinstallation, engineering, labor, supervision, materials, administration, and any other specific items of cost directly attributable to the move.

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10. Special Federal Government Access Services (Cont'd)10.6 Service Offerings to the Federal Government (Cont'd)10.6.3 Rates and Charges (Cont'd)(E) Special Routing Access Services

The following rates and charges are in addition to all other rates and charges that may be applicable for other services that may be furnished under the provisions of this tariff to operate in conjunction with this service:

| | <u>Monthly Rates</u> | <u>Nonrecurring Charges</u> |
|--|--------------------------|---------------------------------|
| (1) Special Routing Access Service Special Routing Plan Setup, per Switching System | - | \$ 200.00 |
| (2) Special Routing Access Service Trunk Group Setup, per End Office or Tandem Office, Switching System per occurrence | - | 1000.00 |
| (3) Special Routing Access Service Mode Selection (Active or Deactive), per Switching System per occurrence | - | 200.00 |
| (4) Special Routing Access Service Maintenance and Administration, per Switching System per month* | - | 150.00 |

This rate applies only to Switching Systems with this feature.

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10. Special Federal Government Access Services (Cont'd)10.6 Service Offerings to the Federal Government (Cont'd)10.6.3 Rates and Charges (Cont'd)(F) Government Emergency Telecommunications Service (GETS)

| | <u>Nonrecurring Charge</u> | <u>Monthly Rate</u> |
|---|--------------------------------|-------------------------|
| (1) GETS Basic Services (includes all services in 10.6.1(C)(8), where technically feasible and available) | \$1,200.00 | \$57.00 |
| (2) GETS Basic Service Change Charge - per switch, per occurrence | \$125.00 | |
| (3) GETS Alternate Carrier Routing - per switch | \$450.00 | \$4.00 |
| (4) GETS Enhance Alternate Carrier Routing - per switch | \$450.00 | \$8.00 |
| (5) GETS Enhance Alternate Carrier Routing - per DMS 100/200 switch | \$600.00 | |
| (6) GETS Network Service Verification - per switch | \$625.00 | |
| (7) GETS Service Verification Baseline | \$85,000.00 | |

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11. Special Facilities Routing of Access Services11.1 Description of Special Facilities Routing of Access Services

The services provided under this tariff are provided over such routes and facilities as the Telephone Company may elect. Special Facilities Routing is involved when, in order to comply with requirements specified by the customer, the Telephone Company provides Switched Access Service, Special Access Service or Special Federal Government Access Service in a manner which includes one or more of the following conditions:

11.1.1 Diversity

Two or more services must be provided over not more than two different physical routes. Diversity is a Basic Service Element (BSE) under the Telephone Company's Open Network Architecture (ONA) Plan.

11.1.2 Avoidance

A service must be provided on a route which avoids specified geographical locations.

11.1.3 Cable-Only Facilities

Certain Voice Grade services are provided on Cable-Only Facilities to meet the particular needs of a customer.

Service is provided subject to the availability of Cable-Only facilities. In the event of service 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 Service as set forth in 6. preceding, Special Access Services as set forth in 7. preceding, and Special Federal Government Access Services as set forth in 10.6 preceding. Cable-Only Facilities are available for Switched Access Service as set forth in 6. preceding; Voice Grade Special Access Services as set forth in 7.5 preceding and Special Federal Government Access Services as set forth in 10.6 preceding.

In order to avoid the compromise of special routing information, the Telephone Company will provide the required routing information for each specially routed service to only the ordering customer. If requested by the customer, this information will be provided when service is installed and prior to any subsequent changes in routing.

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11. Special Facilities Routing of Access Services (Cont'd)11.2 Rates and Charges for Special Facilities Routing of Access Service

The rates and charges for Special Facilities Routing of Access Services as set forth in 11.2 following are in addition to all other rates and charges that may be applicable for services provided under other sections of this tariff.

11.2.1 Diversity

For each service provided in accordance with 11.1.1 preceding, the rates and charges will be developed on an individual case basis and filed following:

| <u>Customer Name</u> | <u>Description and Location</u> | <u>MTL/NRC MRC</u> | <u>Termination Liability Period</u> |
|----------------------|-------------------------------------|------------------------|---|
|----------------------|-------------------------------------|------------------------|---|

11.2.2 Avoidance

For each service provided in accordance with 11.1.2 preceding, the rates and charges will be developed on an individual case basis and filed following:

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11. Special Facilities Routing of Access Services (Cont'd)11.2 Rates and Charges for Special Facilities Routing of Access Services (Cont'd)11.2.3 Diversity and Avoidance Combined

For each service provided in accordance with 11.1.1 and 11.1.2 preceding, combined, the rates and charges will be developed on an individual case basis and filed following:

| <u>Customer Name</u> | <u>Description and Location</u> | <u>MTL/NRC MRC</u> | <u>Termination Liability Period</u> |
|----------------------|-------------------------------------|------------------------|---|
|----------------------|-------------------------------------|------------------------|---|

11.2.4 Cable-Only Facilities

For each service provided in accordance with 11.1.3 preceding, the rates and charges will be developed on an individual case basis and filed following:

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12. Specialized Service or Arrangements12.1 General

Specialized Service or Arrangements may be provided by the Telephone Company, at the request of a customer, on an individual case basis if such service or arrangements meet the following criteria:

- The requested service or arrangements are not offered under other sections of this tariff.
- The facilities utilized to provide the requested service or arrangements are of a type normally used by the Telephone Company in furnishing its other services.
- The requested service or arrangements are provided within a LATA.
- The requested service 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.

12.2 Rates and Charges

Rates and charges and additional regulations, if applicable, for specialized service or arrangements provided on an individual case basis are filed following:

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12. Specialized Service or Arrangements (Cont'd)12.2 Rates and Charges (Cont'd)

MCI WORLDCOM Network Services, Inc.

(A) Service Description

Brightspeed will provide MCI WORLDCOM Network Services, Inc. (WCOM) with TCP/IP data aggregation service. TCP/IP service is a modem aggregation product that provides dial-up port based remote access services. TCP/IP service provides integrated, remote analog & digital access to WCOM that may be utilized by WCOM's end users and the end users of WCOM's affiliates, clients, and resellers (collectively, End Users) to connect to WCOM's Internet network (WCOM Network) via modems referred to as network access servers (NAS) deployed in central offices operated by Brightspeed (Brightspeed COs). Brightspeed shall connect each NAS used in connection with the TCP/IP service to the Public Switched Telephone Network (PSTN) via ISDN primary rate interface, or other mutually-agreed comparable telecommunications facilities (collectively, PRI), and shall arrange for the dedicated assignment (or preservation, to the fullest extent possible) of unique telephone numbers for (or in use by) WCOM and End Users.

TCP/IP service includes all NAS equipment, telecommunications services and related facilities (including with out limitation active PRI lines, at least 40 lead trunk numbers (LTN) (with the exception of Single Number Routing ("SNR")), space, power, and other utilities), and ancillary support and maintenance required to connect a call that has been dialed into the PSTN (such call dialing a designated telephone number) to an active DS0 channel-equivalent port (i.e., PRI B-channel) on the corresponding NAS (TCP/IP Port). The demarcation of the TCP/IP service between Brightspeed and WCOM shall be at the connection of the NAS egress port at Brightspeed's central office.

TCP/IP service will provide local points of presence for WCOM within Brightspeed's franchised service areas. WCOM will not own or lease any TCP/IP service equipment, but will have exclusive operational control (i.e., logical access) of all NAS and related aggregation and out-of-band management equipment (collectively, NAS Equipment) used in connection with the TCP/IP service. This product will be configured via WCOM's specifications to allow monitoring and management of the NAS Equipment. Brightspeed's local network will provide the service from the local dial access to the delivery of TCP/IP and other protocols via the TCP/IP data aggregation equipment located at the Brightspeed Central Office. WCOM is responsible for obtaining facilities from Brightspeed's Central Office to the WCOM Point of Presence (POP).

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12. Specialized Service or Arrangements (Cont'd)12.2 Rates and Charges (Cont'd)

MCI WORLDCOM Network Services, Inc.

(A) Service Description

TCP/IP service will utilize TCP/IP and other protocols based on IETF (Internet Engineering Task Force) standards. IETF is the engineering arm of the IAB (Internet Architecture Board). IETF defines protocol standards for Internet services. This tariff supports, at a minimum, the following standards:

| | |
|-------|-------------------------------|
| IP | Internet Protocol |
| TCP | Transmission Control Protocol |
| SLIP | Serial Line IP |
| CSLIP | Compressed Serial Line IP |
| PPP | Point to Point Protocol |
| HSSI | High Speed Serial Interface |

WCOM has the option of utilizing, as a feature of TCP/IP service, SNR in lieu of local telephone numbers, which are included as part of TCP/IP service, where technically feasible. This option enables End Users with Brightspeed local phone service in a defined geographic area (i.e., a LATA) to have access to WCOM via one specialized telephone number. The End User can initiate a call within the service area to WCOM and this call is treated as a local call by Brightspeed for the connection and duration of the call. This option is part of the WCOM Specialized Arrangement and is included where available in the rates and charges for TCP/IP service at no additional charge. The following two alternatives are offered to WCOM under this option:

1. Brightspeed will assign a Single Number Routing telephone number from a 500 NPA; or
2. WCOM can provide Brightspeed with its own 555-XXXX telephone number acquired from the North American Numbering Plan Administration.

TCP/IP data aggregation services are available where facilities and conditions permit.

(B) Obligations of Brightspeed

Special Access Lines and Special Transport beyond the TCP/IP service are not included in the TCP/IP service port price and are available elsewhere in this FCC tariff.

Brightspeed is responsible to provide WCOM with a firm order confirmation notice, which will initiate the order process.

Brightspeed will notify WCOM of the completion and readiness of the requested TCP/IP site.

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12. Specialized Service or Arrangements (Cont'd)12.2 Rates and Charges (Cont'd)(B) Obligations of Brightspeed (Cont'd)

NAS Equipment to provide TCP/IP service requires the review and approval of Brightspeed. WCOM may propose alternative NAS Equipment platforms from time to time for Brightspeed's review and approval. NAS Equipment upgrades to the existing port base will be made at the discretion of Brightspeed. WCOM requests regarding the configuration and design of the NAS Equipment will be evaluated for network compliance and compatibility by Brightspeed and employed where feasible. WCOM may request that NAS Equipment or other equipment upgrades outside the scope of this arrangement be implemented and charged to WCOM on a time and materials basis.

Brightspeed will participate with WCOM in joint testing and turn-up activities for new and moved port activations, including, at a minimum, login and RADIUS authentication to the WCOM Network via the ports being tested.

Brightspeed shall perform all hardware maintenance and remote hands & eyes support for the NAS Equipment, in accordance with mutually agreed-upon support procedures.

Brightspeed will provide WCOM with seventy-two (72) hours notice in advance of scheduled Wire Center or Central Office maintenance that could adversely impact TCP/IP services.

(C) Obligations of WCOM

WCOM is responsible for obtaining all appropriate IP addresses.

WCOM is responsible to obtain the facilities required for the dedicated transport of their traffic from Brightspeed's Central Office to WCOM's point(s) of presence.

WCOM's NAS Equipment must be compatible with Brightspeed's equipment.

WCOM must maintain NAS Equipment software configuration, software management and authentication control.

WCOM shall furnish information as may be required by Brightspeed to design and maintain the service and to ensure that the service arrangement is in compliance with the regulations contained herein.

WCOM's NAS Equipment must be in compliance with FCC rules and regulations.

WCOM's specified NAS Equipment must be in compliance with published Brightspeed NEBS standards.

WCOM will participate with Brightspeed in joint testing and turn-up activities for new and moved port activations, including, at a minimum, login and RADIUS authentication to the WCOM Network via the ports being tested.

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12. Specialized Service or Arrangements (Cont'd)12.2 Rates and Charges (Cont'd)(C) Obligations of WCOM (Cont'd)

WCOM must notify Brightspeed of any firm order cancellations prior to Brightspeed initiating any service installation activities. Firm order cancellations received after installation has proceeded (but before joint acceptance) will incur charges for time and materials expended to-date.

WCOM, when requesting Single Number Routing, is responsible for purchasing a quantity of ports to accommodate originating dial-up traffic offered to a selected TCP/IP hub for aggregating and routing to WCOM's designated POP. Brightspeed shall ensure adequate network trunking to support call completion to WCOM SNR TCP/IP hubs and shall use all commercially reasonable efforts to correct any identified lack of network capacity, consistent with the then-current locations and port quantities of WCOM's SNR TCP/IP hubs. Any NAS Equipment moves by WCOM from non-SNR hubs to SNR hubs, or between SNR hubs if Brightspeed concurs it is necessary, shall not count against the 5% quarterly moves limitation set forth below. Traffic generated by virtue of SNR under this arrangement will be routed exclusively to Brightspeed-provided TCP/IP locations.

WCOM agrees to provide Brightspeed with at least ten (10) business days prior written notice before deploying new software on the NAS Equipment that would implement any new major features or functionalities (i.e., left-of-decimal software upgrade) on the NAS Equipment.

(D) Enrollment Period

TCP/IP modem based data aggregation service is provided to WCOM under this tariff with a three (3) year commitment period. All 575,000 base ports are committed for thirty-six (36) months from the tariff effective date. Each additional port is committed for thirty-six (36) months from the port install date. For base ports, billing will commence at the new rates on the tariff effective date. For new service implementations, billing will commence on the date that customer acceptance has been completed. Customer acceptance is defined as verification from WCOM that the new service is operational following execution of joint testing and turn-up activities.

This tariff transitions WCOM (previously referenced as UUNET) from previous FCC tariff arrangements with Brightspeed for data aggregation services. This tariff supersedes any previously tariffed terms and conditions agreed upon by WCOM, or any of its affiliates, and Brightspeed for TCP/IP service (including comparable modem based data aggregation services purchased from Brightspeed). Previous terms and commitments beyond the new three (3) year enrollment period are terminated as a result of this tariff agreement without application of any early termination fees, penalties or other charges.

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12. Specialized Service or Arrangements (Cont'd)12.2 Rates and Charges (Cont'd)(E) Rate Application

TCP/IP service rates will be applied on a monthly basis for all dial-up ports in service nationwide. Nationwide is defined as the aggregate of all dial-up ports for all of the BRIGHTSPEED LOCAL OPERATING COMPANIES, which includes the former Bell Atlantic, Nynex, GTE and Contel footprints. There are separate rates identified for existing base ports and additional ports as outlined below.

(F) Monthly Recurring Charges (MRCs)Port Type Rate (MRC) Per Port

| | |
|------------------------|---------|
| Base (1-575,000) | \$29.00 |
| Additional (575,001 +) | \$17.50 |

Rates include Single Number Routing, where available, and all applicable engineering, furnishment, installation (EF&I) service and hardware maintenance charges, and all applicable fees and surcharges (other than fees and surcharges that are imposed by the Federal Communications Commission or other government agency on the TCP/IP service subsequent to the effective date of this tariff). Rates do not include applicable taxes. Except as otherwise specified in this arrangement, no non-recurring charges shall apply with respect to the TCP/IP ports provided hereunder. When TCP/IP services utilize a PRI trunk group, D channels do not incur the above charges. The above rates become effective upon the effective date of the tariff.

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12. Specialized Service or Arrangements –(Cont'd)12.2 Rates and Charges – (Cont'd)(G) Commitment Levels

WCOM's Minimum Port Commitment is to maintain (in the aggregate across all Brightspeed franchise areas) an in service base of 575,000 ports for the entire thirty-six (36) month term period with 200,000 additional ports to be installed by month thirty-six (36) of the arrangement, less any NAS Equipment buy-backs (as described below), Sold TCP/IP Ports (as defined below), cancelled ports due to missed FOC/CFA dates (as described below), and ANS/GridNet ports that will not be converted to TCP/IP (to be determined based on mutually agreed-upon procedures). All ports purchased by WCOM ISP entities, including PRI and other equivalent telecommunications services used to provide dial-up ports for the WCOM Network that are converted to TCP/IP Ports under this tariff (such conversion shall be made without the application of any early termination fees, penalties, or other charges) shall be deemed to count towards satisfaction of this Minimum Port Commitment.

Ports that are in the process of being moved (as described below) shall continue to be counted for purposes of determining whether WCOM has met its Minimum Port Commitment.

Beginning in month 37 of this arrangement and thereafter, this Minimum Port Commitment shall no longer apply, and WCOM shall not be committed to obtain any minimum number of ports from Brightspeed under this tariff.

(H) Cancellation of Service

If TCP/IP Ports are not made ready for service by Brightspeed no later than fifteen (15) calendar days following the applicable FOC/CFA dates specified in the firm order, WCOM may, at anytime prior to availability of the port, cancel the TCP/IP ports covered by that firm order upon written notice to Brightspeed, and (a) WCOM's Minimum Port Commitment shall be reduced by an amount equal to the number of TCP/IP Ports that were the subject of the cancelled firm order, and (b) WCOM shall have the right to repurchase (at the purchase price paid by Brightspeed to WCOM) any NAS Equipment sold by WCOM to Brightspeed in connection with such cancelled firm order.

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12. Specialized Service or Arrangements –(Cont'd)12.2 Rates and Charges – (Cont'd)(I) Customer Initiated Buy-Backs

WCOM at their discretion may choose to downsize their presence at any Brightspeed TCP/IP location by buying back NAS Equipment that was deployed for their dedicated use. Brightspeed will disconnect, pack and ship the designated NAS Equipment back to WCOM. Buy-back requests will be implemented using mutually agreed-upon engineering procedures. A non-recurring charge as specified below will be billed for each port that is removed from service. There are restrictions on the quantity of ports that can be removed from service in a given timeframe.

WCOM may buy back a maximum of 14,200 ports during the first year, which begins on the effective date of this tariff. During year two (2), WCOM may buy back a maximum of 2% of their nationwide quantity of installed ports which are in service (or in the process of being moved) on the one (1) year anniversary of the tariff effective date. During year three (3), WCOM may buy back a maximum of 30% of their nationwide quantity of installed ports which are in service (or in the process of being moved) on the two (2) year anniversary of the tariff effective date.

For buy-back of ports that are in the process of being moved, the "buy back year" will be based upon the date (in relation to the 36-month enrollment period of this arrangement (as specified above)) that the port(s) was taken out of service to initiate the move.

WCOM's Minimum Port Commitment is reduced as a result of buy-back activities. The buy-back will be applied to the 575,000 base ports and the 200,000 additional ports, as applicable depending on the port types being bought back by WCOM.

Charges for customer initiated equipment buy-backs are applied on a one-time non-recurring charge (NRC) basis for each port that is purchased.

| Port Installation Date | Rate (NRC) per Port Removed | | |
|------------------------|-----------------------------|--|--|
|------------------------|-----------------------------|--|--|

| | <u>Buy-back Year (Enrollment Period)</u> | | |
|------------------------|--|---------------|---------------|
| | <u>Year 1</u> | <u>Year 2</u> | <u>Year 3</u> |
| Prior to 1998 Installs | \$375 | \$250 | \$100 |
| 1998 Installs | \$525 | \$375 | \$150 |
| 1999 Installs | \$570 | \$435 | \$285 |
| 2000 Installs | \$645 | \$465 | \$305 |
| 2001 Installs | | \$270 | \$200 |
| 2002 Installs | | | \$270 |

For buy-back activities, WCOM may choose between the above rate structure or pay for the remaining life of the three (3) year term at the per port monthly rate applicable to the individual port, whichever is lower.

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12. Specialized Service or Arrangements –(Cont'd)12.2 Rates and Charges – (Cont'd)(I) Customer Initiated Buy-Backs – (Cont'd)

During the first thirty (30) calendar days after the effective date of the tariff, WCOM may cancel any pending orders, or ports installed per the WCOM capacity plan, for TCP/IP service (including comparable modem based data aggregation services purchased from Brightspeed) provided by Brightspeed to WCOM or its affiliates that have not yet been installed by Brightspeed, for a one-time \$25.00 non-recurring charge per port. Such cancellation shall not count towards the year one (1) buy-backs that otherwise might apply to such activities under the tariff.

(J) Customer Initiated Moves

WCOM can move (disconnect and reconnect) dial-up port capacity from one Brightspeed TCP/IP location to another, up to a maximum of 5% per quarter of the total ports in service at the start of each calendar quarter (January, April, July, October) ("Quarterly Move Allotment").

Following the completion of the parties' joint pre-planning and engineering work, the parties shall use all commercially reasonable efforts to place the moved ports back in service within ninety (90) calendar days, or such other reactivation time period as may be mutually agreed-upon by the parties at the time of disconnect. Move requests will be implemented using mutually agreed-upon engineering procedures, and may result in the swap-out of NAS Equipment on a port-for-port basis (at WCOM's election and expense, if any). Hardware components being moved (and swapped, if applicable) must be compatible with the hardware/software configuration at the receiving TCP/IP location. Disconnect and reconnect move orders will be processed concurrently and standard Brightspeed operational processes and implementation timeframes will be utilized.

For the first thirty (30) calendar days following the tariff effective date for this arrangement, WCOM may identify and execute move activities (at a flat \$25 per port rate) that do not count against the 5% per quarter limitation. The joint objective is that moved ports be reinstalled and placed back in service within one hundred twenty (120) calendar days after the effective date of tariff.

Charges for moves are applied on a one-time non-recurring charge (NRC) basis for each in service port (i.e., lit B-channel passing dial-up traffic) that is moved. MRC billing for the ports will be discontinued during the move process and will be reinstated at the time the move is completed. Once reinstated, the ports will be billed for the remaining duration of the thirty-six (36) month term at the same base or additional port MRC as originally charged for the port. Out-of-service days during the move of a port will not count against satisfying the thirty-six (36) month commitment period for the port. Detailed project planning will be required by both parties in order to establish mutually agreeable timelines for port moves. Unless otherwise agreed, or unless Brightspeed is not able to implement service to a moved port within 105 calendar days, billing for moved ports shall commence no later than 105 calendar days from the date the port was taken out of service for the move.

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12. Specialized Service or Arrangements –(Cont'd)12.2 Rates and Charges – (Cont'd)(J) Customer Initiated Moves – (Cont'd)Rate (NRC) per In Service Port Moved :

First 60% of Quarterly Move Allotment: \$25 per Port

Next 40% of Quarterly Move Allotment: \$45 per Port

(K) Service Enrollment

WCOM must specify in writing to Brightspeed that they elect to subscribe to the TCP/IP service as set out in this tariff. The minimum TCP/IP service for a Central Office site in which NAS Equipment is located is 138 dial-up ports.

(L) Periodic Reviews

The parties shall meet monthly on or about the last business day of each month to reconcile port counts and determine, for billing purposes, the number of TCP/IP Ports that shall be deemed to have been active for that month.

WCOM's service commitment will be reviewed quarterly on or about the last business day of each calendar quarter (January, April, July, October) following the tariff effective date. WCOM in-service port counts, port moves, port buy-backs, port installs, and SNR activity will be identified and jointly reconciled by WCOM and Brightspeed staffs. Any required reporting or billing adjustments will be agreed upon and executed within thirty (30) calendar days of completion of the reconciliation process. In the event that a final reconciliation is not agreed upon by WCOM and Brightspeed within thirty (30) days, the issue will be escalated to executive management of both companies for resolution.

(M) Shortfall Charge

At the final thirty-six (36) month review, WCOM will be notified in writing as to the status of their overall commitment requirements. This notification will inform WCOM of any shortfall in the quantity level below the Minimum Port Commitment, as specified above. At the final review, if the number of TCP/IP ports is below the Minimum Port Commitment, a one-time charge of \$630 per port will be assessed for dial-up port quantity shortfalls of in-service ports below the Minimum Port Commitment.

(N) Service Availability

The Brightspeed objective level of service availability will be 95% of the monthly hours of operation for each Central Office. Should the service availability actually be less than 95% of the monthly hours for the average port of a Central Office (e.g., 30 days x 24 hours x .95 = 684 hours), WCOM will receive a credit of 40% of the monthly bill for that Central Office. Force Majeure events that impact service and which Brightspeed could not have prevented through the use of reasonable precautions will not be subject to the above penalty calculation.

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12. Specialized Service or Arrangements –(Cont'd)12.2 Rates and Charges – (Cont'd)(O) Withdrawal of Service Areas

In the event that Brightspeed ceases to offer TCP/IP service in a Brightspeed CO in which TCP/IP service is offered at any point under this tariff, through transfer of ownership of the Brightspeed CO to a non-Brightspeed entity, Brightspeed shall request the new owner to continue to provide service equivalent to Brightspeed's TCP/IP service at such CO, and shall, if the new owner agrees to continue the service, use commercially reasonable efforts to facilitate a smooth transition of TCP/IP service to the new provider. Notwithstanding the foregoing, with respect to any TCP/IP Ports deployed in such Brightspeed COs ("Sold TCP/IP Ports"), WCOM shall have the right (and reasonable opportunity following written notice from Brightspeed) to terminate such Sold TCP/IP Ports prior to their transfer to the new provider without the application of any early termination fees or other charges, and to repurchase the associated NAS Equipment from Brightspeed at the then-current depreciated book value (with no other charges applying). Brightspeed shall ship such NAS Equipment to WCOM at WCOM's expense. NAS Equipment repurchases resulting from Sold TCP/IP Ports shall not count towards the annual limit of regular buy backs specified in the tariff. In addition, and regardless of whether WCOM terminates such Sold TCP/IP Ports, the Minimum Port Commitment shall be reduced by the number of such Sold TCP/IP Ports.

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12. Specialized Service or Arrangements –(Cont'd)12.2 Rates and Charges – (Cont'd)(P) Duration of Tariff and Renewal Option

This arrangement shall remain in effect so long as TCP/IP Ports are being provided under it.

At the expiration of the initial 36-month period following the effective date of this tariff, and subject to payment of any shortfall charge, the Minimum Port Commitment, adjusted as set out above, shall expire and shall no longer be binding.

During the period in which this tariff remains in effect after the expiration of the initial 36-month port term that applies to each TCP/IP Port ordered hereunder, (a) Brightspeed will continue with billing for such ports on a month-to-month basis at the MRC rates identified in this tariff, (b) WCOM may cancel any such ports upon sixty (60) days written notice, and (c) Brightspeed may cancel such ports by providing WCOM with one hundred eighty (180) calendar day notification that such ports will be terminated.

Brightspeed may terminate this tariff, with termination effective at any time after completion of the initial 36-months following the effective date of the tariff, by giving WCOM one hundred eighty (180) calendar day notice. Such termination shall not apply to TCP/IP Ports that are in service at the termination date, and this tariff shall remain in effect for such ports until the ports are terminated in accordance with the preceding subsection. Upon termination of this tariff, WCOM may not order any new TCP/IP Ports.

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13. Exceptions to Access Service Offerings

The service offered under the provisions of this tariff are subject to availability as set forth in 2.1.4 preceding. In addition, the following exceptions apply:

(Paragraphs 13.1 through 13.5 following are reserved for future listing. In the meantime, in planning an end-to-end service, the customer should contact the Telephone Company in each customer premises city to assure itself that all of the service or service components required for a given customer service are currently available).

The following service(s) is (are) not offered in the operating territory of listed Issuing Carriers.

13.1 (Reserved for future use.)

The following offering(s) is (are) limited to existing locations. No inside moves, rearrangements or additions will be permitted.

13.2 (Reserved for future use.)

The following offering(s) is (are) limited to existing locations. Inside moves or rearrangements may be undertaken. However, no additions will be permitted.

13.3 (Reserved for future use.)

The following offering(s) is (are) limited to existing locations where additional units may be added for growth. Inside moves or rearrangements may be undertaken.

13.4 (Reserved for future use.)

The following offering(s) is (are) limited to existing locations where additional units may be added for growth. However inside moves or rearrangements will not be permitted.

13.5 (Reserved for future use.)

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14. Coin Services14.1 General

This section contains the rules and regulations pertaining to the provision of 1+ Coin Presubscription Service for the handling of 1+ interLATA sent-paid traffic from the Telephone Company's pay telephones.

14.2 Service Description

1+ Coin Presubscription Service provides the routing of 1+ interLATA sent-paid calls from Telephone Company pay telephones to the presubscribed 0+ Interexchange Carrier (customer) directly, to its designated secondary service provider, or to the default carrier, provided said carrier continues to accept such default traffic. The default carrier option will expire when the default carrier ceases to accept such traffic or when the presubscribed 0+ provider is able to handle such calls or route them to secondary service provider, whichever comes first. The customer has the following options:

- (1) to receive both 0+ and 1+ interLATA calls originated from Telephone Company pay telephones; or,
- (2) to receive the 0+ interLATA calls and select one secondary service provider per LATA to receive the 1+ interLATA sent-paid traffic; or,
- (3) to receive the 0+ interLATA calls and continue to default the 1+ interLATA sent-paid calls until the presubscribed 0+ provider is ready to handle (to receive both 0+ and 1+ interLATA calls or to receive 0+ interLATA calls and select a secondary service provider per LATA for 1+ interLATA calls) such calls.

The customer is solely responsible for all 0+ and 1+ interLATA calls originating from the Telephone Company pay telephone when it handles 1+ interLATA sent-paid traffic or selects a secondary service provider to handle the 1+ interLATA sent-paid calls.

The Telephone Company must receive written authorization from the customer prior to routing 1+ interLATA sent-paid calls to the selected secondary service provider. If the customer selects a secondary service provider to handle 1+ interLATA sent-paid traffic, any arrangements will be solely between the customer and its selected secondary service provider.

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14. Coin Services (Cont'd)14.3 Service Provisioning

The Telephone Company will provide 1+ interLATA sent-paid coin access from equal access end offices to the customer's designated location via Telephone Company's access tandems, at the customer's option or via direct routed trunks from the end office.

The Telephone Company will generally provide, where available, one of two types of call setup signaling from its pay telephones, Tandem Access interLATA Sent-Paid (TAISP) signaling or Exchange Access Operator Services System (EAOSS) signaling to the CDL dependent upon the access tandem technology type. Modified Operator Services signaling (MOSS) is only available via direct routed trunks from the end office to the CDL, and is not offered via access tandems. Where the customer has ordered direct routed trunks from the end office to the CDL, either MOSS or TAISP/EAOSS signaling may be provided, at the option of the customer, as long as the end office is suitably equipped.

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14. Coin Services (Cont'd)14.4 Collection and Remittance of Coin Station Monies

When the customer is provided Operator Trunk-Coin or Combined Coin and Non-Coined or Operator Trunk-Full Feature Optional Features for sent-paid pay telephone access as set forth in Section 6, the Telephone Company will collect sent-paid monies from pay telephone stations and will remit monies to the customer as set forth in 14.6.4. The Telephone Company will provide message call detail format and bill periods used to determine the monies upon request from the customer.

14.5 Provision of Message Call Detail Concerning Coin Station Monies

Where Operator Trunk-Coin or Combined Coin and Non Coin or Operator Trunk-Full Feature Optional Features for sent-paid pay telephone access is provided to the customer and the customer wishes to receive the monies it is due for the monies collected by the Telephone Company from coin pay telephone stations, the customer shall furnish to the Telephone Company, at a location specified by the Telephone Company, the customer message call detail for the customer sent-paid (coin) pay telephone calls in accordance with the Telephone Company collection schedule. The customer message call detail furnished shall be in a standard format established by the Telephone Company. The Telephone Company will provide to the customer the precise details of the required standard format. If, in the course of Telephone Company business, it is necessary to change the standard format, the Telephone Company will provide notification to the involved customer six months prior to the change. If no customer message call detail is received from the customer for each bill period established by the Telephone Company, the Telephone Company will assume there were no customer sent-paid (coin) pay telephone calls for the period. In addition the customer shall furnish a schedule of its charges for sent-paid (coin) calls to the Telephone at a location and date as specified by the Telephone Company. Any change in the customer's schedule of charges shall be furnished to the Telephone Company one day after the change becomes effective.

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14. Coin Services (Cont'd)14.6 Payment of Coin Sent-Paid Monies

The Telephone Company will collect the monies from coin pay telephone stations and will determine and remit amounts due to a customer which is provided Operator Trunk-Coin or Combined Coin and Non-Coin or Operator Trunk-Full Feature Optional Features from sent-paid pay telephone access as set forth in Section 6. as follows:

14.6.1 Bill Period Coin Revenue

The Telephone Company will establish a collection schedule for each coin pay telephone station and will collect the monies from the coin pay stations based on this collection schedule. The monies collected based on this schedule during each bill period established by the Telephone Company will be identified by coin pay telephone station and summed to develop the Bill Period Coin Revenue for each coin record day (i.e., the day a record is prepared and dated to show the amount due the customer).

14.6.2 Total Customer Coin Revenue

The interstate Total Customer Coin Revenue will be determined by the Telephone Company based on the customer message call detail received from the customer for each bill period and the customer's schedule of charges for sent-paid coin calls. Such Total Customer Coin Revenue will be developed each coin record day.

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14. Coin Services (Cont'd)14.6 Payment of Coin Sent-Paid Monies (Cont'd)14.6.3 Recourse Adjustments

For each coin record day, the Telephone Company will subtract from the Total Customer Coin Revenue an amount for coin station shortages. Coin Station shortages are amounts resulting from unauthorized calling at coin pay telephone stations, use of unauthorized coins (i.e., foreign coins, slugs and improper use of U.S. pennies), unauthorized removal of coins from coin pay telephone stations and coin refunds beyond the Telephone Company's control. Such amount for coin station shortages will be developed by the Telephone Company by multiplying the Total Customer Coin Revenue for each coin record day by a shortage factor. Such amount will be rounded to the nearest penny. The shortage factor will be determined by dividing the yearly total coin shortages amount by the yearly total coin revenue amount (i.e., total coin revenue equals the coin revenue due under exchange tariffs, state toll tariffs, and interstate toll tariffs). The total coin shortage amount and the total revenue amount will be determined by the Telephone Company through an annual special study.

14.6.4 Payment of Net Customer Coin Revenue

The Telephone Company will determine the Net Customer Coin Revenue for each coin record day by subtracting from the Total Customer Coin Revenue determined as set forth in 14.6.2 preceding the amount for coin station shortages determined as set forth in 14.6.3 preceding. On the date (payment date) determined by adding 45 days to the coin record day, the Telephone Company will remit payment to the customer for the Net Customer Coin Revenue.

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14. Coin Services (Cont'd)14.6 Payment of Coin Sent-Paid Monies (Cont'd)14.6.5 Audit Provisions

Upon reasonable written notice by the customer to the Telephone Company, the customer shall have the right through its authorized representative to examine and audit, during normal business hours and at reasonable intervals as determined by the Telephone Company, all such records and accounts as may under recognized accounting practices contain information bearing upon the determination of the amount payable to the customer. Adjustment shall be made by the proper party to compensate for any errors or omissions disclosed by such examination or audit. Neither such right to examine and audit nor the right to receive such adjustment shall be affected by any statement to the contrary, appearing on checks or otherwise unless such statement expressly waiving such right appears in a letter signed by the authorized representative of the party having such right and delivered to the other party.

All information received or reviewed by the customer or its authorized representative is to be considered confidential and is not to be distributed, provided or disclosed in any form to anyone not involved in the audit, nor is such information to be used for any other purpose.

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15. Centralized Equal Access Serving Wire Center15.1 General

This section lists those Telephone Companies that provide FGD and BSA-D service within a Centralized Equal Access ("CEA") Telephone Company access tandem network. Also, those locations for which the Telephone Company has designated the serving wire center(s) and/or an interconnection point(s) for a CEA Telephone Company access tandem network are shown below. The following locations are listed by state. Local Transport charges will be calculated based on regulations set forth in 6.5.2 (A). When a customer connects to a CEA tandem network at an interconnection point that is not designated as a serving wire center, Local Transport mileage will be measured to the designated serving wire center for that interconnection point, as set forth below. Serving wire centers, CEA Telephone Company access tandems and subtending end offices and the associated V&H coordinates are found in the National Exchange Carrier Association Tariff FCC No. 4.

| <u>State</u> | <u>Serving Wire Center</u> | <u>Interconnection Point</u> |
|--------------|--------------------------------|----------------------------------|
|--------------|--------------------------------|----------------------------------|

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16. Operator Services [1]

Operator Services described in this Section will be provided to customers as an optional feature in conjunction with FGC, FGD, BSA-C or BSA-D Switched Access Services from Telephone Company Operator Service switching locations. 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 Assistance services or may order them individually.

16.1 General Description16.1.1 Operator Transfer Service

Operator Transfer Service is an originating service that provides call routing of 0- (the digit 0 with no additional digits) interLATA 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 requesting assistance in completing an interLATA call.

When a 0- call originates from an end office not converted to equal access, the operator will transfer the 0- call, via FGC or BSA-C, to AT&T. When a 0- call originates from an end office converted to equal access, the operator will ask the end user to identify the participating customer to which they desire to be connected. The operator will then transfer the 0- call, via FGD or BSA-D, along with Automatic Number Identification 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 customer. 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 lottery. For each subsequent monthly update, following the initial selection, the customers in the first position will be moved to the last position on the list. All other customers will be moved up on position. New Operator Transfer Service customers will be placed at the bottom of the list of participating customers pending the next monthly update.

[1] Effective October 1, 2016, Busy Line Verification and Busy Line Interrupt were discontinued under authority granted in WC Docket No. 16-109.

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16. Operator Services (Cont'd)16.1 General Description (Cont'd)16.1.2 Inward Operator Assistance

Inward Operator Assistance services provides for operator assistance on inward calls received from customer operators. Inward Operator Assistance functions are provided as follows:

- (A) Reserved For Future Use
- (B) Reserved For Future Use
- (C) Operator Assistance - The Telephone Company operator will provide the customer with dialing or routing assistance.

16.1.3 Undertaking of the Telephone Company

- (A) The Telephone Company will provide Operator Service for call originating from end offices served by the Operator Service switching location. The Telephone Company will provide Inward Operator Assistance Services for calls associated with exchange service lines in end offices served by the Operator Service switching locations.
- (B) Operator Services will be provided over FGC, FGD, BSA-C or BSA-D switched service trunks, arranged for either one-way or two-way calling from the Operator Service switching location to the customer's premises. Where required by technical limitations, a separate FGC, FGD, BSA-C or BSA-D trunk will be established for Operator Service. Both Operator Transfer and Inward Assistance traffic may be combined on the same trunk group. The Operator Service switching location will provide trunk answer and disconnect supervisory signaling to the customer.

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16. Operator Services (Cont'd)16.1 General Description (Cont'd)16.1.3 Undertaking of the Telephone Company (Cont'd)

- (C) Operator Services will be provisioned in accordance with the technical specifications and requirements set forth in Section 6 preceding for FGC, FGD, BSA-C or BSA-D Switched Access Services.

16.1.4 Obligations of the Customer

- (A) Operator Services are provided to all customers via FGD or BSA-D Switched Access Service for calls associated with end offices converted to equal access. Operator Services are provided for calls associated with end offices not converted to equal access via FGC or BSA-C Switched Access Service to AT&T only. Operator Service customers must order, if none exists, sufficient Switched Access trunking facilities between their premises and the Telephone Company designated Operator Service switching locations in accordance with the ordering requirements set forth in Section 5.1.2(A) preceding. If the customer has existing Switched Access Service trunks to the Operator Service switching location, additional capacity may only be required. The customer, at its premises, shall provide the necessary on-hook, off-hook answering supervision and disconnect supervision.
- (B) Percentage of Interstate Usage (PIU) will be reported and determined as required in Section 6.5.5(H) preceding.
- (C) The customer shall indemnify and save the Telephone Company harmless against all claims that may arise from either party to call interrupted in the provisioning of Inward Service or any other person.

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16. Operator Services (Cont'd)16.2 Rate Regulations

Rates and charges applicable to Operator Services are set forth in 16.3 following. In addition to the rates and charges applicable to Operator Services described in this Section, all nonrecurring charges associated with the ordering, installation, rearrangement and movement of FGC, FGD, BSA-C or BSA-D services as set forth in 6.5.4 and 6.6 preceding, as well as Access Order Charges set forth in 5.3 preceding, will apply.

16.2.1 Operator Transfer Service(A) Operator Transfer Rate

The Operator Transfer Rate is assessed per 0- call transferred to a customer's operator. A 0- call is considered transferred when the Telephone Company operator activates the switch transferring the call to the designated customer.

(B) Switched Access Charges

Premium FGC, FGD, BSA-C or BSA-D Switched Access rates and charges as set forth in 6.5 and 6.6 preceding and Carrier Common Line Charges as set forth in 3.7 preceding will apply per minute of use for Operator Transfer Service.

16.2.2 Inward Operator Assistance Services(A) Reserved For Future Use(B) Switched Access Charges

Switched Access Service per access minute charges do not apply to Inward Assistance Services. Recurring usage costs are included in the flat rate charges specified in (A) preceding.

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16. Operator Services (Cont'd)16.3 Rates and Charges

Operator Service rates and charges apply only to the following Telephone Company jurisdictions:

Missouri

16.3.1 Operator Transfer Rate

- Per Call Transferred \$0.35

16.3.2 Inward Operator Assistance Rates

- Operator Assistance per request \$0.20

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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 collocate customer provided transmission, concentration, and multiplexing equipment at the Telephone Company premises. EIS customers may terminate basic fiber optic transmission facilities at the Telephone Company premises for connection to their equipment or may lease facilities from the Telephone Company.

EIS customers may lease transport from the Telephone Company to connect their collocation equipment in lieu of constructing their own facility to the Telephone Company premises.

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 or access tandems.

17.2 Provision of EIS17.2.1 General

- (A) EIS will be provided as Physical EIS where transmission facilities of the customer interconnect with the facilities of the Telephone Company within the Telephone Company wire center or access tandem or a Virtual EIS where the interconnection with Telephone Company facilities occurs outside the wire center or access tandem in a manhole or other similar location.

* Effective March 1, 2015, Physical Expanded Interconnection Service (EIS), as referenced throughout Section 17 of this tariff, will no longer be available to new customers. There will be no change to arrangements in service on orders prior to March 1, 2015. Virtual EIS remains in effect.

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17. EXPANDED INTERCONNECTION SERVICES *17.2 Provision of EIS17.2.1 General

- (B) EIS arrangements are available for Switched Access and DS0 (operating at 64 Kbps and Fractional T1 bandwidths), DS1 (1.544 Mbps) and DS3 (45 Mbps) Special Access transmission facilities and terminating equipment that terminate to Telephone Company wire center or access tandem facilities in or near Telephone Company buildings. The DS0 Cross Connect can accommodate 64Kbps DDS and Fractional T1 bandwidths of 128 Kbps, 256 Kbps and 384 Kbps. The Cross Connect arrangement may be connected directly to Telephone Company provided 64Kbps DDS or Fractional T1/DS0, DS1 or DS3 services or to a Telephone Company provided 64 Kbps DDS or Fractional T1/DS0, DS1 or DS3 multiplexing arrangement. The Cross Connect charge applies per DS0 (64Kbps), DS1, or DS3 connection.

Fractional T1 service can be designed to carry various DS0 combinations. Therefore, The DS0 Cross Connect charge for Fractional T1 will be assessed as follows:

128 Kbps: 2 DS0 Cross Connects
256 Kbps: 4 DS0 Cross Connects
384 Kbps: 6 DS0 Cross Connects

- (C) Rates for the Switched Access Cross Connect are listed in Section 6.6.34 and rates for the Special Access Cross Connect are found in Section 7.11.5.
- (D) EIS will be available for microwave transmission on a case by case basis where reasonably feasible. EIS is not available on non fiber optic facilities.
- (E) Customer provided facilities and customer designated termination equipment are subject to the terms, conditions, and rates specified in this tariff.

Customer requests for space for terminating equipment other than within an access tandem or wire center will be handled on a case by case basis where technically feasible on a first-come, first served basis.

* Effective March 1, 2015, Physical Expanded Interconnection Service (EIS), as referenced throughout Section 17 of this tariff, will no longer be available to new customers. There will be no change to arrangements in service on orders prior to March 1, 2015. Virtual EIS remains in effect.

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17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.2 Provision of EIS (Cont'd)17.2.1 General (Cont'd)

- (F) The Telephone Company is not responsible for the design, engineering, or performance of the customer designated termination equipment and customer provided facilities for physical and virtual 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 access tandems or to construct additions to existing wire centers or access tandems to satisfy a customer request.

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.

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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 (Cont'd)

- (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 and requirements, including a list of engineering and technical specifications, fire, safety, security policies and procedures and an Application Form.
- (D) The Telephone Company will provide at least two separate points of entry to the wire center or access tandem 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 termination equipment by establishing a contact point with GTE Supply.
- (F) The Telephone Company will coordinate with the customer to ensure that services are installed in accordance with the service request. If the Telephone Company fails to install such equipment in accordance with the service request, the Telephone Company will correct the installation at its own expense.
- (G) The Telephone Company will be held liable for the actions and inaction's of its employees, vendors, or contractors having access to the customer's equipment and facilities.

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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 or access tandem 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) The Telephone Company reserves the right, with five days prior notice, to access the partitioned space to perform periodic inspections to ensure compliance with Telephone Company installation, safety and security practices.
- (D) 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. The Telephone Company will notify the customers as soon as possible when such an event has occurred.

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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)

- (E) 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 30-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 8.2 for the removal and disposal of such equipment.
- (F) The Telephone Company reserves for itself and its successors and assignees, the right to utilize the wire center(s) and access tandem(s) space in such a manner as will best enable it to fulfill Telephone Company's service requirements.
- (G) Telephone Company shall have the right, for good cause shown, and upon six (6) months' notice, to reclaim any 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 or migration to virtual collocation. The Telephone Company will make every reasonable effort to find other alternatives before attempting to reclaim any such space.

17.3 Obligations of the Customer17.3.1 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. The customer agrees to meet with the Telephone Company if requested by the Telephone Company, to review design and work plans for installation of the customer's designated equipment within the Telephone Company premises.

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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)

- (B) The customer will be responsible for costs incurred by the Telephone Company for installation and maintenance of customer designated Virtual EIS termination 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. Such emergency procedures should not directly impact the customer's access to its premises, or ability to provide service.
- (D) On the date of discontinuance of service of physical EIS arrangements, the customer will disconnect and remove its equipment from its partitioned space within 30 days.
- (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. The Telephone Company will attempt to notify the customer in advance of any such emergency access. If advance notification is not possible the Telephone Company will provide notification of any such entry to the customer as soon as possible following the entry, indicating the reasons for the entry and any actions taken which might impact the customer's facilities or equipment and its ability to provide service. The Telephone Company will restrict access to the customer's cage to persons necessary to handle such an emergency.

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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) or access tandem(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 or access tandem 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 30 days in advance of such changes.

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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)

- (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 be will held liable for the actions and inaction's of its employees, vendors, or contractors having access to Telephone Company wire center or access tandem equipment, manholes 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 or access tandem. The customer must deliver all equipment specified on its Virtual EIS application to the designated wire center or access tandem. The Telephone Company will not accept equipment shipments without a packing list and labels or incomplete shipments. See packet of general information for EIS shipment and receiving guidelines.

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17. EXPANDED INTERCONNECTION SERVICES (Cont'd)

7.3 Obligations of the Customer (Cont'd)

17.3.2 Claims and Demands for Damage

In addition to the provisions in Section 2.3.8, 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 access tandem(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.

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17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.3 Obligations of the Customer (Cont'd)17.3.3 Limitations

- (A) All customer facilities must terminate in the Telephone Company equipment.
- (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 purposes, 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) or access tandem(s).
- (D) The customer shall not use cellular telephones within the wire center or access tandem locations. The customer may order local exchange business service to be installed within the customer's partitioned space.

17.3.4 Mechanic's or Materialmen's Liens

The customer shall not permit to be placed upon the wire center or access tandem 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 interconnection of the customer designated termination equipment to the Telephone Company's facilities. Similarly, the Telephone Company shall hold in confidence all information of a competitive nature provided to it by the customer in connection with EIS or known to the Telephone Company as a result of the interconnection of the customer's equipment to the Telephone Company's facilities. Such information is to be considered proprietary and shared within the Telephone Company on a need to know basis only. Neither the Telephone Company or the customer shall 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.

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 designated termination equipment in the Telephone Company wire center or access tandem.
- (B) The customer is responsible for providing a contact number that is readily accessible 24 hours a day, 7 days a week.

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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 (Cont'd)

- (C) 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.
- (D) The customer is responsible for providing trouble report status when requested.
- (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 switched or special access facility and associated cross connect as set forth in Sections 6 and 7.

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17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.4 Discontinuance of Service17.4.1 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 30 days of discontinuance. The customer will be charged the appropriate Additional Labor charge in Section 8.2 for the removal of 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 2.2.1(B). The Telephone Company will notify the customer as soon as possible after any disconnect of customer's equipment.
- (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 or access tandem. 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 EIS17.5.1 Physical EIS at Tariffed Locations

- (A) Customers requesting physical EIS at a wire center or access tandem location will be required to complete the Application Form and submit the Engineering Fee(s) as set forth in 17.13.1. Upon notification of available space, the customer will be required to place an EIS Access Service Order (ASR). In addition, the customer must submit 50% of the other applicable nonrecurring charges within 90 days after notification of available space or the customer will be required to submit a new Application Form and Engineering Fee(s).
- (B) The Telephone Company will process Application Forms on a first-come, first-served basis as set forth in 17.6.1(B).
- (C) Upon receipt of the ASR and 50% of the Site Preparation Charge, Cage Enclosure and dc Power charges and applicable nonrecurring charges (NRCs), the Telephone Company will initiate necessary modifications to the wire center or access tandem to accommodate the customer's request. The customer and the Telephone Company will work cooperatively to ensure that services are installed in accordance with the service requested. The balance of the Building Modification, Cage Enclosure and dc Power charges is due at the time the space is turned over to the customer.
- (D) The customer is responsible to have cable and other equipment ready for installation on the date scheduled. If the customer fails to notify the Telephone Company of a delay in the installation date, the customer will be subject to the appropriate Additional Labor charges in Section 8.2.

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17. EXPANDED INTERCONNECTION SERVICES (Cont'd)

17.5 Ordering Options for EIS17.5.1 Physical EIS at Tariffed Locations

- (E) The customer has the option of providing its own cables or the Telephone Company may, at the customer's request, provide the necessary transmission, power and grounding cables and bill the customer per the Cable Material Charges rates in 17.10.1.
- (F) The Telephone Company will advise the customer of any delay in completion of the preparation of the wire center or access tandem space, and reschedule a new installation date for earliest possible date.
- (G) The Telephone Company and the customer must meet and begin implementation of the request within six (6) months of receipt of the Application Form and the Physical Engineering Fee or the identified space becomes available for use by other customers.
- (H) The Telephone Company shall notify the customer of the date the Physical EIS cage arrangement will be ready for walk-through and inspection. The customer has 15 days to meet the Telephone Company, on-site, for the inspection. If the customer does not attend the inspection within the timeframe, the Telephone Company will initiate customer billing for all monthly and nonrecurring charges.

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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 for each wire center or access tandem which will be applied toward the Engineering/Installation Fee. The customer will be required to provide information such as, wire center or access tandem 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.

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17. EXPANDED INTERCONNECTION SERVICES (Cont'd)

17.5 Ordering Options for EIS (Cont'd)

17.5.2 Virtual EIS (Cont'd)

- (B) Upon receipt of the \$2500 fee, the Telephone Company will initiate a search of engineering records, an inspection of the 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 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.

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17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.5 Ordering Options for EIS (Cont'd)17.5.4 Data Over Voice (DOV) Equipment

Data Over Voice (DOV) Equipment may be used within the interconnection arrangement for Special or Switched EIS. If the DOV equipment is an adjunct or stand-alone device, additional charges for engineering, installation, and maintenance will be tariffed as identified under the Bona Fide Request Process in 17.5.1.G.

17.5.5 Other Technologies

EIS will not be provided through technologies other than fiber optic and microwave facilities.

17.5.6 Augmentations

All requests for an addition or change to an existing EIS arrangement that has been inspected and turned over to the customer is considered an augmentation. The augmentation request will require the submission of a complete application form and the non-refundable Engineering or Augment Fee.

Major Augments may include adding telecommunication equipment that requires AC or DC power or HVAC systems upgrade, or change in the size of the cage. A complete application and Engineering Fee will be required when submitting a physical or virtual request that requires a major augment.

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17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.5 Ordering Options for EIS (Cont'd)17.5.6 Augmentations (Cont'd)

Minor Augments of Physical or Virtual EIS arrangements will require the submission of a complete application form and the Augment Fee. Minor augments are those requests that do not require additional AC or DC power systems, HVAC system upgrades or additional cage space. The requirements for a minor augment request can not exceed the capacity of the existing electrical/power or HVAC system. Requests for customer to customer interconnects and DSO, DS1 and DS3 cross connects are included as minor augments. The installation of circuit cards for Virtual EIS is also included as a minor augment.

Minor augments that require an augment fee are those requests that require the Telephone Company to perform a service or function on behalf of the customer, including but not limited to, requests to pull cable for customer to customer EIS interconnections, DSO, DS1, and DS3 facility terminations and Virtual EIS circuit card installations.

Minor augments that do not require a fee are those augments performed solely by the customer, that do not necessitate the Telephone Company to provide a service or function on behalf of the customer, including but not limited to, requests to install additional equipment in the customer's cage. Before the installation of the additional equipment, the customer agrees to provide the Telephone Company with an application form that includes an updated list of the equipment to be installed in the customer's EIS arrangement. Once the updated equipment list is submitted to the Telephone Company, the customer may proceed with the augment. The customer agrees that changes in equipment performed by the customer under this provision will not exceed the engineering specifications for power and HVAC as requested on the original application. All augments will be subject to Telephone Company inspection, in accordance with the terms of this Tariff for ensuring compliance with Telephone Company safety standards.

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17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.6 EIS Service Request17.6.1 Application Form for Physical EIS at Tariffed Locations

- (A) Customers requesting physical EIS will be required to submit the applicable Engineering Fee(s) as set forth in 17.13.1 for each wire center(s) or access tandem(s).
- (B) Receipt of a complete Application Form, Engineering Fee(s) and 50% of the applicable nonrecurring charges will determine the order of priority of the customers requesting physical EIS. Receipt of the Application form, Physical Engineering Fee(s) and 50% of the other applicable nonrecurring charges will constitute a bona fide request and will establish the order of priority.
- (C) The Application Form will require the customer to provide all engineering, floor space, power, environmental and other requirements necessary for the function of the service. The Telephone Company will notify the customer in writing within 15 days following receipt of the completed application if the customer's requirements cannot be accommodated as specified. Should the customer submit ten (10) or more applications within a ten (10) day period, the response interval will be increased by ten (10) days for every ten (10) additional applications or fraction thereof.
- (D) If existing suitable space is not available, the Engineering Fee will be refunded. If the customer withdraws or cancels the request within fifteen (15) days after receipt of the Application Form, 50% of the Engineering Fee will be refunded to the customer.

If the customer withdraws or cancels the request after the fifteenth day, no refund of the Engineering Fee will be made.

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17. EXPANDED INTERCONNECTION SERVICES (Cont'd)

17.6 EIS Service Request(Cont'd)

17.6.1 Application Form for Physical EIS at Tariffed Locations(Cont'd)

- (E) The Telephone Company will provide an information packet containing a list of engineering and technical specifications, fire, safety, security policies and procedures.
- (F) Section 17.11.1 will indicate those wire centers or access tandems in which existing suitable space has been exhausted. The Telephone Company will not maintain a list of customers requesting space in a wire center or access tandem after the space is initially exhausted.

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17. EXPANDED INTERCONNECTION SERVICES (Cont'd)

17.6 EIS Service Request (Cont'd)

17.6.1 Application Form for Physical EIS at Tariffed Locations (Cont'd)

- (G) The Telephone Company shall provide the customer with a price quote for the EIS required to accommodate the customer's request within thirty (30) days of the customer's application date. The quote will be honored for ninety (90) days from the date of issuance. If the quote is not accepted by the customer within such ninety (90) day period, the customer will be required to submit a new Application Form and Engineering Fee and a new quote will be provided based on the new Application Form.

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17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.6 EIS Service Request (Cont'd)17.6.1 Application Form for Physical EIS at Tariffed Locations (Cont'd)

- (H) The first Application Form submitted by the customer shall be designated the original application. Original applications for EIS arrangements that have not been inspected and approved by the customer are subject to requests for minor or major changes to the services requested in the application. Changes will not be initiated until a completed application has been submitted along with the appropriate Engineering Fee, if applicable.

Major changes are requests that add telecommunications equipment that requires additional AC or DC power systems; HVAC system modifications; or change the size of the cage. At the election of the customer, major changes may be handled in one of the following two options to the extent technically feasible.

Option 1: Additional Application. The customer may elect to have a major change to its original EIS application treated by the Telephone Company as an additional (new) application. An additional application is subject to the same provisioning process and conditions as an original application. On receipt of a complete additional Application and Engineering Fee, the Telephone Company will notify the customer in writing within fifteen (15) days following receipt of the completed additional application if the customer's additional requirements cannot be accommodated as specified. Filing an additional application does not change the Telephone Company's obligation to process and fulfill the original application nor does it change the time intervals applicable to the processing and fulfillment of the original application. All of the provisions herein applicable to an original application similarly apply to an additional application.

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17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.6 EIS Service Request (Cont'd)17.6.1 Application Form for Physical EIS at Tariffed Locations (Cont'd)

(H) (Cont'd)

Method 2: Supplemental Application.

The customer may elect to have a major change to its original EIS application treated by the Telephone Company as a supplemental application. A supplemental application may affect the Telephone Company's obligation to process and fulfill the original application. On receipt of a supplemental application and Engineering Fee, the Telephone Company will notify the customer in writing within fifteen (15) days following receipt of the completed supplemental application if the customer's requirements cannot be accommodated as specified. Upon notification that the Telephone Company can accommodate the requirements of the supplemental application, the customer may elect to proceed with the supplemental application. The Telephone Company's obligations under the original application will be merged with the obligations of the supplemental application and the combined project timeline will be based on the date the supplemental application was received. All of the provisions herein applicable to an original application similarly apply to a supplemental application.

Minor changes are those requests that do not require additional AC or DC power systems, HVAC system upgrades, or changes in cage space. The customer will be required to submit a revised application, but the deliverable dates for the project will not change.

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17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.6 EIS Service Request (Cont'd)17.6.2 Relocation Within the Same Wire Center or Access Tandem

Customer requests for relocation of the termination equipment from one location to a different location for the same customer within the same wire center or access tandem will be handled on an individual case basis.

17.6.3 Expansion of Existing Space

Customer requests for expansion of existing space within a specific wire center or access tandem will be treated as a new service application.

17.7 Physical EIS *17.7.1 Availability of Service

- (A) Physical EIS will be made available in only wire centers and access tandems where there is existing suitable space as defined in 17.7.2.
- (B) Wire Centers and access tandems which are exempt from EIS requirements due to lack of existing suitable space or are not technically feasible are shown in 17.11.1. The Telephone Company will notify the appropriate State Commissions when existing suitable space has been exhausted in a particular wire center or access tandem.
- (C) Existing suitable space in Telephone Company wire centers and access tandems available for physical EIS will be provided to customers on a first-come, first-served basis as specified in 17.7.2.

* Effective March 1, 2015, Physical Expanded Interconnection Service (EIS) will no longer be available to new customers. There will be no change to arrangements in service on orders prior to March 1, 2015. Virtual EIS remains in effect.

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17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.7 Physical EIS (Cont'd)17.7.2 Existing Suitable Space

- (A) Existing suitable space is defined as space in which ac/dc power, heat and air conditioning, battery and/or generator back-up dc power, and other requirements necessary for provision of wire center or access tandem equipment currently exists and is not required space and facilities designated for use by the Telephone Company.
- (B) The Telephone Company and the customer will work cooperatively to determine proper space requirements, and efficient use of space.
- (C) The amount of floor space available to each customer at the time of the initial application will be 100 square feet per wire center or access tandem. The Telephone Company will enclose the customer's space in a cage.
- (D) The customer is permitted to obtain additional floor space when their existing floor space is being used efficiently. Additional space will be ordered in increments of 100 square feet, where available. The maximum amount of space available to each customer will be limited only by the amount of existing suitable space available in a specific wire center or access tandem.
- (E) The Telephone Company reserves the right to require customers to relinquish such space which is not used within a reasonable time. Upon receipt of a collocation request that must be denied due to lack of existing space or the Telephone Company requires additional space for its own growth and the only available space is unused space for any existing collocated customer, existing customers must provide documentation for its use of unused space for the next twelve months.

Otherwise, the customer must relinquish unused space to new requests on a first-come, first-served basis.

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17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.7 Physical EIS (Cont'd)17.7.2 Existing Suitable Space (Cont'd)

- (F) 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.
- (G) The customer shall not construct improvements or make alterations or repairs to the partitioned space without the prior written approval of the Telephone Company.

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 or access tandem must comply with either the Telephone Company's list of approved products, or equipment that complies with wire center or access tandem environmental and transmission standards in effect at the time the interconnection is made. The list of approved products and/or equipment is the same as used by the Telephone Company and its contractors. EIS customers will be notified of any change in the Telephone Company's list of approved products and/or equipment.

(B) The customer shall be responsible for servicing, supplying, repairing and maintaining the following:

Fiber Optic Cable and Fire Retardant Sheath (if customer provided)
Equipment located within the wire center or access tandem
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 or DS0 cable facilities in sufficient capacity for the Telephone Company to wire DS0 services in multiples of 24.

(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) as the point(s) of termination within each wire center or access tandem 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.

(E) If the customer provides their own fiber optic facility the customer shall be responsible for bringing its fiber optic cable to the wire center or access tandem manhole and leave sufficient cable length 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.

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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)

- (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 or access tandem. This may be shared conduit with dedicated inner duct. The customer shall not be permitted to reserve wire center or access tandem 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 and access tandem 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 or access tandem 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.
- (H) Customer interconnection equipment installed with the Telephone Company's wire center or access tandem 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.

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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)

- (J) The customer's equipment shall not physically, electronically, or inductively interfere with or impair the service of the Telephone Company's or any other customer's equipment, create hazards, or cause physical harm to any individual or the public. All customer equipment must be tested to and must meet: (1) the National Equipment and Building Specifications (NEBS) Level 1 family of safety requirements as described in Telecordia Special Report SR-3580; and (2) the specific risk/safety/hazard criteria specified in Addendum E of the general information packet described in 17.5.1(A). Any customer equipment that does not conform to the NEBS Level 1 family of safety requirements may not be installed on Telephone Company property. A cabinet must be used to mitigate deficiencies identified with CLEC equipment failing to meet the specific risk/safety/hazard criteria specified in Addendum E of the general information packet described in 17.5.1(A). The Telephone Company reserves the right to remove and/or refuse use of the customer's equipment from its list of approved equipment if such equipment is determined to be no longer compliant with NEBS Level 1 safety standards or Electromagnetic Compatibility and Electrical Safety Generic Criteria for Network Telecommunication Equipment (GR-1089-CORE). The Telephone Company also reserves the right to remove and/or refuse use of the customer's equipment which does not meet or comply with NEBS equipment safety requirements specified in Addendum E of the general information packet described in 17.5.1(A).

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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 17.5.1(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 and/or access tandems 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 or access tandem.
- (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.

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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)

- (E) 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.
- (F) 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.
- (G) 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.
- (H) 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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ACCESS SERVICE

17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.7 Physical EIS (Cont'd)17.7.6 Insurance & Liability Requirements

- (A) The customer shall, at its sole cost and expense, obtain, maintain, pay for and keep in force the following minimum insurance underwritten by an insurance company(s) having a Best's insurance rating of at least A-, financial size category VII.
- (1) Commercial general liability coverage on an occurrence basis in an amount of \$1,000,000 combined single limit for bodily injury and property damage with a policy aggregate per location for \$2,000,000. This coverage shall include contractual liability.
 - (2) Umbrella/Excess Liability coverage in an amount of \$10,000,000 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.
 - (4) Statutory Workers Compensation coverage.
 - (5) Employers Liability Coverage in an amount of \$500,000 each accident.
 - (6) Commercial Automobile Liability coverage insuring all owned, hire, and non-owned automobiles.
- (B) Notwithstanding anything herein to the contrary, the coverage requirements described in (1) – (6) above shall only be required if the customer orders EIS services pursuant to this Tariff.

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17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.7 Physical EIS (Cont'd)17.7.6 Insurance & Liability Requirements (Cont'd)

(B) (Cont'd)

The minimum amount of insurance required in this section, may be satisfied by the customer purchasing primary coverage in the amount specified or by the customer buying a separate umbrella and/or excess policy together with lower limit primary underlying coverage. The structure of the coverage is at the customer's option, so long as the total amount of insurance meets the Telephone Company's requirements.

(C) Deductibles – Any deductibles, self-insured retentions (SIR), lost limits, retentions, etc, (collectively, "retentions") must be disclosed on a certificate of insurance provided to the Telephone Company, and the Telephone Company reserves the right to reject any such retentions in its reasonable discretion. All retentions shall be the responsibility of the customer.

(D) Additional Insured – The Telephone Company and its affiliates (which includes any corporation controlled by, controlling or in common control with Brightspeed, its respective directors, officers and employees shall be named as additional insured under all General Liability and Umbrella/Excess Liability Policies obtained by the customer. Said endorsement shall provided that such additional insurance is primary insurance and shall not contribute with any insurance or self-insurance that the Telephone Company has secured to protect itself. All of the insurance afforded by the customer shall be primary in all respects, including the customer's Umbrella/Excess Liability insurance. The Telephone Company's insurance coverage shall be excess over any indemnification and insurance afforded by the customer and required hereby.

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17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.7 Physical EIS (Cont'd)17.7.6 Insurance & Liability Requirements (Cont'd)

- (E) Waiver of Subrogation Rights – The customer waives and will require all of its insurers to waive all rights of subrogation against the Telephone Company (including Brightspeed and any other affiliated and/or managed entity), its directors, officers and employees, agents or assigns, whether in contract, tort (including negligence and strict liability) or otherwise.
- (F) Evidence of Insurance – All insurance must be in effect on or before the Telephone Company authorizes access by customers, employees, or placement of customer equipment or facilities within the Telephone Company's premises and such insurance shall remain in force as long as the Telephone Company'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. The customer agrees to submit to the Telephone Company a certificate of insurance ACORD Form 25-S (1/95), or latest edition, such certificate to be signed by a duly authorized officer or agent of the Insurer, certifying that the minimum insurance coverage and conditions set forth herein are in effect, and that the Telephone Company will receive at least thirty (30) days notice of policy cancellation, expiration or non-renewal. At least thirty (30) days prior to the expiration of the policy, the Telephone Company must be furnished satisfactory evidence that such policy has been or will be renewed or replaced by another policy. At the Telephone Company has been named as and additional insured, prior to commencement of any service. In no event shall permitting customer access be construed as a waiver of the right to the Telephone Company to assert a claim against the customer for breach of obligations established in this section.

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ACCESS SERVICE

17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.8 Virtual EIS17.8.1 Availability of Service

- (A) Virtual EIS will be available to customers at all wire centers and access tandems.
- (B) Virtual EIS provides the means to interconnect, through an optical channel interface, to specified interstate 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 or access tandem, 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 interstate 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 or access tandem to be used as interconnection points for customer's facilities.

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17. EXPANDED INTERCONNECTION SERVICES (Cont'd)

17.8 Virtual EIS (Cont'd)

17.8.1 Availability of Service (Cont'd)

- (E) None of the provisions of Section 17.5.4 apply or extend to any patron of the customer purchasing virtual EIS from the Telephone Company.
- (F) Customers have the option of monitoring their Virtual EIS equipment or having the Telephone Company monitor the equipment alarms. Information will be provided in the packet of general information.

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ACCESS SERVICE

17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.8 Virtual EIS (Cont'd)17.8.2 Obligations of the Customer

- (A) When ordering EIS, the customer shall designate the type of wire center or access tandem transmission equipment dedicated to their use. The customer may specify equipment which may be different from the equipment normally used by the Telephone Company to provide interstate 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 costs associated with training Telephone Company employees to install and maintain equipment other than equipment normally used by the Telephone Company.
- (D) The Telephone Company and the customer will work cooperatively to determine proper equipment and facilities requirements.
- (E) The customer is responsible for initiating a request for maintenance of customer's facilities and termination equipment.

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17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.8 Virtual EIS (Cont'd)17.8.2 Obligations of the Customer

- (F) Unless the customer advises the Telephone Company pursuant to (B) of this subsection, the customer shall provide to the Telephone Company, and the Telephone Company will hold on-site, the vendor's recommended spare card package for all EIS equipment within the requested wire center or access tandem. The customer shall also provide shipping containers with destination labels and postage paid for the card to be shipped. Upon the detection of a bad card, the Telephone Company will replace such card with a spare card, and will arrange to tag and prepare the defective card for prompt shipment to the customer, and arrange for mailing the container as specified on the label. Upon receipt of the card by the customer, the customer shall replace the defective card as quickly as possible to ensure that a full complement of spares are on-site. The customer will be responsible for repairing and maintaining an adequate set of spares within its operation to minimize delays in replenishing spares on-site.

Should the customer provide spare cards on-site, the Telephone Company will respond to virtual equipment outages at times consistent with the objectives that the Telephone Company sets for itself.

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17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.8 Virtual EIS (Cont'd)17.8.2 Obligations of the Customer (Cont'd)

(F) (Cont'd)

The customer must advise the Telephone Company in writing if it will not provide the vendor's spare card package for virtual EIS equipment on-site, as required in (A) of this subsection. Should the customer not provide the vendor's recommended spare card package for the virtual EIS equipment on-site and the customer's equipment suffers an outage:

- (1) The customer will be responsible for delivering the necessary spare card(s) to a Telephone Company Technician at the central where the outage has occurred;
- (2) The Telephone Company will not be held accountable for any service degradation due to the absence of on-site spare cards;
- (3) The Telephone Company will not be held to the same equipment outage restoration objectives, as if the spare cards were stored on-site; and,
- (4) The customer is responsible for expenses incurred by the Telephone Company for the additional time the Telephone Company's personnel expended to correct the equipment outage due to waiting for the delivery of the spare cards. Charges will be based on the applicable Additional Labor Charges as set forth under Section 8.2.

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17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.8 Virtual EIS (Cont'd)17.8.2 Obligations of the Customer (Cont'd)

- (G) The customer must execute a Bill of Sale for \$1.00 to the Telephone Company to transfer ownership of the equipment from the customer to the Telephone Company. Upon termination of the Virtual EIS arrangement, the Telephone Company will execute a Bill of Sale for \$1.00 to the customer to transfer ownership of the equipment from the Telephone Company to the customer. The Bill of Sale must be executed by the customer prior to the equipment being placed in-service.
- (H) Virtual equipment augmentation requests may only be provisioned upon receipt of a completed application and the applicable Engineering/Augment fee.
- (I) The customer is responsible for providing all specialized test equipment required to monitor and maintain non-standard equipment that the Telephone Company virtually terminated on behalf of the customer.

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 EIS arrangements.

Where the Telephone Company does not use contractors, customer designated termination equipment customer provided and facilities used in the provision of 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 rate as its own equipment.

Customers are not allowed into Telephone Company Wire Centers and access tandems to work on Virtual EIS equipment.

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17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.8 Virtual EIS (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 central office environmental and transmission standards in effect at the time the interconnection is made. This list of approved products and/or equipment is the same as used by the Telephone Company and its contractors. EIS customers will be notified of any change in the Telephone Company's list of approved products and/or equipment.
- (B) The customer shall be responsible for supplying the following:
 - Fiber Optic Cable and Fire Retardant Sheath
 - Equipment located within the wire center or access tandem
- (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 its fiber optic cable to the wire center or access tandem 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.

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17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.8 Virtual EIS (Cont'd)17.8.4 Customer Terminating Equipment Requirements (Cont'd)

- (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 or access tandem. This may be shared conduit with dedicated inner duct. The customer shall not be permitted to reserve wire center or access tandem 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 or access tandem conduit requirements and to reserve vacant space for planned facility additions.
- (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 or access tandem 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 or access tandem 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 equipment. The time period for this to occur will correspond to the Telephone Company's maintenance window time period.
- (I) All equipment installed within the Telephone Company wire center or access tandem facilities shall meet the industry standard requirements as applicable for Physical EIS as in 17.7.4.

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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 Switched or Special Access Service ordered, as specified in Sections 6 and 7 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 EIS is provided. Monthly rates for EIS will commence upon completion of the installation of the customer's designated termination equipment irrespective of when the Switched or Special Access service is connected.

(1) Partition Space Charge

Partition Space is a monthly recurring charge associated with the provisions of suitable physical EIS space in a specific wire center or access tandem. The charge includes those costs that relate directly to the land and building space itself. The Partition Space Charge applies on a per square foot basis for Physical EIS.

(2) Cable Space Charge

The Cable Space Charge is a monthly recurring charge, applied per twelve fiber cable, associated with the space within the conduit, riser, cable racks, manhole and cable vault which the customer's cable occupies. This charge applies for physical or virtual EIS.

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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)(A) Monthly Rates (Cont'd)(3) dc Power

The dc Power Charge is a monthly recurring charge associated with the provision of dc power to the customer's space for physical or virtual EIS. The dc Power Charge applies on a 40 amp increment.

(4) Maintenance

The Maintenance Charge is a monthly recurring charge associated with maintenance of the customer designated termination equipment. The charge is applicable per base module for virtual EIS.

(5) Environmental Conditioning

Environmental Conditioning is a monthly recurring charge associated with the provision of heating, ventilation, and air conditioning systems for the customer's physical EIS equipment in the Telephone Company's wire center or access tandem. The environmental Conditioning charge is applied on a per 40 amp increment based on the customer's dc Power requirements.

(6) Building Modification

Building Modification is a monthly recurring charged associated with provisioning the following items for physical EIS in the Telephone Company's wire center or access tandem: security, dust partition, ventilation ducts, demolition/site work, lighting, outlets, and grounding equipment. The Building Modification charge is applied to each physical EIS arrangement.

ACCESS SERVICE

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) Conversion Fee

The Conversion Fee of \$2,500.00 is associated with the work performed to convert existing collocated services to virtual EIS arrangements where no changes in customer designated termination equipment or facilities or Telephone Company provided equipment and facilities are required. The customer may request multiple wire centers or access tandems to be converted on one order. The Conversion Fee applies per order in lieu of the Engineering/Installation Fee.

(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 or access tandem, per twelve fiber cable terminated for physical or virtual EIS.

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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)(3) Physical Engineering Fee

The Physical Engineering Fee is associated with work performed by the Telephone Company to determine space requirements, engineer adequate amounts of power, heat, ventilation and air conditioning, and ensure adequate fire protection for physical EIS. This charge applies to Physical EIS and minor augment requests on a per order, per wire center or access tandem basis.

(4) Cage Enclosure

The Cage Enclosure charge is associated with work performed by the Telephone Company to construct a cage for the customer's terminating equipment for physical EIS. This charge includes, one charge circuit system, and electrical sub-panel. This element also includes material cost for the cage enclosure. This element is optional, the customer may sub-contract this work to a Telephone Company approved contractor.

This charge provides a 100 square foot enclosure. Upon request of the customer, additional space may be provided in increments of 100 square feet per additional 100 square feet.

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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)(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 for virtual EIS.

An Engineering/Installation Fee is shown in 17.12.1 shall apply for the installation of the base unit card and each DS1 or DS3 card.

(6) Overhead Superstructure

The Overhead Superstructure is associated with work performed by the Telephone Company for the extension of overhead racking for the placement of customer provided cable for physical EIS.

(7) dc Power

The dc power charge is associated with work performed by the Telephone Company for the extension of power to the customer's cage. This charge applies on a per 40 amp increment for physical or virtual EIS.

ACCESS SERVICE

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)(8) Training

The customer shall be solely responsible for all costs associated with training Telephone Company personnel on the installation, maintenance, monitoring and operation of EIS equipment that the Telephone Company does not use in normal operations within the requested central office. The customer will be responsible for:

- (1) The arrangement and prepayment for required training seminars, including tuition, and related course materials.
- (2) All travel expenses, including airfare and car rentals, associated with the training. All charges not prepaid by the customer will be passed on to the customer based on ticket stubs and/or receipts.
- (3) Providing the Telephone Company personnel to be trained a \$40 per diem for meals during the training period.
- (4) All expenses associated with follow up training necessitated by changes in technology or upgrades made to such non-standard equipment, and for additional training required within the Telephone Company's normal staffing levels and assignment policies. The customer will provide the supplemental training described herein, per the same terms and conditions provided in this Section.
- (5) Reimburse to the Telephone Company for the hours spent in training by Telephone Company personnel, based on the labor rates as set forth in Section 8.2 and will be billed per half hour or fraction thereof.

The equipment training for all Telephone Company personnel responsible for the Virtual EIS equipment within the requested central office must be completed prior to placing the EIS equipment in-service.

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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)

(9) Access Ordering Charge

The Switched Access Ordering Charge applies, per ASR, for the installation, addition, change, rearrangement or move of EIS Switched and Special Access Service facilities, except as specified in 6.5.4(B). The appropriate service installation charge for the service termination(s) will also apply.

When an EIS is moved to a different CDL, a new minimum period will be established for the installed Switched or Special Access Service. The customer will remain responsible for all remaining minimum period charges associated with the disconnected Switched or Special Access Service. For Switched or Special Access Services subject to payment plan regulations, the same payment plan will remain in force.

(10) Access Card Charge

The costs associated with the issuance and replacement of access cards that allow a customer's employees to access Telephone Company wire centers and access tandems.

(11) BITS Timing Charge

Cost to provide synchronized timing for electronic communications equipment provided from a central source. This cost includes all the common equipment and port cards to provide 50 ports of DS1 and 50 ports of CC (Composite Clock) capability. This is a monthly recurring and nonrecurring charge based on each port requested by the customer.

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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)(12) Cable Material Charge

The customer will be assessed the Cable Material charge if it elects to have the Telephone Company purchase all cables required to accommodate the EIS arrangement. The rate includes all costs associated with cable materials provided to the customer. This cost includes DS0, DS1, DS3 transmission cables, shielded cable, power cables and ground cables.

(13) Minor Augment Fee

The fee submitted with an application to recover the cost to review and implement changes to an existing EIS arrangement. Minor augments are those requests that do not require more AC or DC power, additional equipment that generates more BTU's of heat, or increase the caged floor space, over what the customer requested in its original application. The requirements for a minor augment request can not exceed the capacity of the existing electrical/power or HVAC system.

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17. EXPANDED INTERCONNECTION SERVICES (Cont'd)

17.9 Rate Regulations (Cont'd)

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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17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.10 EIS Rates and Charges17.10.1 Cable Space and Cable Pull

| <u>Jurisdiction</u> | <u>Monthly Charge Per Twelve Cable Cable Space</u> | <u>Nonrecurring Charge Per Twelve Cable Cable Pull</u> |
|---------------------|--|--|
| Missouri | \$19.59 | \$988.00 |

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17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.10 EIS Rates and Charges (Cont'd)17.10.2 dc Power

| | <u>Monthly Charge</u> <u>Per 40 Amps</u> | <u>Nonrecurring Charge</u> <u>Per 40 Amps</u> |
|---------------------|---|--|
| <u>Jurisdiction</u> | | |
| Missouri | \$399.20 | \$4,917.00 |

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17 EXPANDED INTERCONNECTION SERVICES (Cont'd)

17.11 EIS Exempt Wire Centers and Access Tandems

- 17.11.1 If the Telephone Company is unable to accommodate a Physical or Virtual EIS request at a wire center or access tandem due to space limitations or other technical reasons, the Telephone Company will post a list of all the exempt wire centers and access tandems on its Web site and will update the list within ten (10) days of any known changes. This information will be listed at the following public Internet URL:

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17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.12 Virtual EIS Rates and Charges17.12.1 Equipment Rates and Charges

JURISDICTION MISSOURI

MONTHLY CHARGE

MAINTENANCE per base module \$263.69

NONRECURRING CHARGES

ENGINEERING/INSTALLATION FEE

Per base module

OC1 \$4,701.92

90Mbps 4,701.92

OC3 5,299.68

OC12 5897.44

OC24 6,780.72

OC48 7,664.00

NGDLC 7,664.00

ENGINEERING/INSTALLATION FEE

Per card installed

OC1 DS1 \$266.32

DS3 616.96

90 Mbps DS1 266.32

DS3 616.96

OC3 DS1 266.32

DS3 616.96

OC12 DS3 616.96

OC24 DS3 616.96

OC48 DS3 616.96

NGDLC DS0 133.16

DS1 266.32

DS3 616.96

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17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.13 Physical EIS Rates and Charges *

Physical EIS will be provided at the rates and charges set forth below. The rates and charges shown will apply to each EIS at the specific wire center or access tandem for the applicable jurisdiction.

17.13.1 Engineering Fee

| | <u>Nonrecurring Charge</u> <u>Physical EIS</u> <u>Engineering Fee</u> |
|---------------------|---|
| <u>Jurisdiction</u> | |
| Missouri | \$4,571.00 |

* Effective March 1, 2015, Physical Expanded Interconnection Service (EIS) will no longer be available to new customers. There will be no change to arrangements in service on orders prior to March 1, 2015. Virtual EIS remains in effect.

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17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.13 Physical EIS Rates and Charges (Cont'd)17.13.2 Overhead Superstructure

| | <u>Nonrecurring Charge</u> <u>Physical EIS</u> <u>Engineering Fee</u> |
|---------------------|---|
| <u>Jurisdiction</u> | |
| Missouri | \$2,360.00 |

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17. EXPANDED INTERCONNECTION SERVICES (Cont'd)

17.13 Physical EIS Rates and Charges (Cont'd)

17.13.3 Cage Enclosure

| <u>Jurisdiction</u> | <u>Nonrecurring Charge</u> |
|---------------------|--------------------------------|
| Missouri | \$4,842.00 |

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17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.13. Physical EIS Rates and Charges (Cont'd)17.13.4 Partition Space

| <u>Jurisdiction</u> | <u>Monthly Charge Partition Space Per Square Foot</u> |
|---------------------|---|
| Missouri | \$2.22 |

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17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.13 Physical EIS Rates and Charges (Cont'd)17.13.5 Bits Timing Charge

| | <u>Monthly Charge</u> | <u>Nonrecurring</u> |
|---------------------|-----------------------|---------------------|
| | <u>Per</u> | <u>Per</u> |
| | <u>Port</u> | <u>Port</u> |
| <u>Jurisdiction</u> | | |
| Missouri | \$11.25 | \$250.00 |

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17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.13 Physical EIS Rates and Charges (Cont'd)17.13.6 Cable Material – Per Cable RunDS0 Cable (Connectorized) 100 pairNonrecurring ChargeJurisdiction

| | |
|----------|----------|
| Missouri | \$331.00 |
|----------|----------|

DS1 Cable (Connectorized)Nonrecurring ChargeJurisdiction

| | |
|----------|----------|
| Missouri | \$307.00 |
|----------|----------|

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17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.13 Physical EIS Rates and Charges (Cont'd)17.13.6 Cable Material - Per Cable Run (Cont'd)DS3 Coaxial CableNonrecurring ChargeJurisdiction

| | |
|----------|---------|
| Missouri | \$84.00 |
|----------|---------|

Shielded Cable (Orange Jacket)Nonrecurring ChargeJurisdiction

| | |
|----------|---------|
| Missouri | \$34.00 |
|----------|---------|

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17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.13 Physical EIS Rates and Charges (Cont'd)17.13.6 Cable Material - Per Cable Run (Cont'd)1/0 Power CableNonrecurring ChargeJurisdiction

| | |
|----------|---------|
| Missouri | \$93.00 |
|----------|---------|

2/0 Power CableNonrecurring ChargeJurisdiction

| | |
|----------|----------|
| Missouri | \$135.00 |
|----------|----------|

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17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.13 Physical EIS Rates and Charges (Cont'd)17.13.6 Cable Material - Per Cable Run (Cont'd)3/0 Power CableNonrecurring ChargeJurisdiction

| | |
|----------|----------|
| Missouri | \$149.00 |
|----------|----------|

4/0 Power CableNonrecurring ChargeJurisdiction

| | |
|----------|----------|
| Missouri | \$184.00 |
|----------|----------|

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17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.13 Physical EIS Rates and Charges (Cont'd)17.13.6 Cable Material - Per Cable Run (Cont'd)350 MCM Power CableNonrecurring ChargeJurisdiction

| | |
|----------|----------|
| Missouri | \$313.00 |
|----------|----------|

500 MCM Power CableNonrecurring ChargeJurisdiction

| | |
|----------|----------|
| Missouri | \$437.00 |
|----------|----------|

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17. EXPANDED INTERCONNECTION SERVICES (Cont'd)

17.13 Physical EIS Rates and Charges (Cont'd)

17.13.6 Cable Material - Per Cable Run (Cont'd)

750 MCM Power Cable

Nonrecurring Charge

Jurisdiction

| | |
|----------|----------|
| Missouri | \$673.00 |
|----------|----------|

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17. EXPANDED INTERCONNECTION SERVICES (Cont'd)

17.13 Physical EIS Rates and Charges (Cont'd)

17.13.7 Minor Augment Fee

| | <u>Nonrecurring Charge</u> |
|---------------------|----------------------------|
| <u>Jurisdiction</u> | |
| Missouri | \$200.00 |

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17. EXPANDED INTERCONNECTION SERVICES (Cont'd)

17.13 Physical EIS Rates and Charges (Cont'd)

17.13.8 Access Card Charge

Nonrecurring Charge

Jurisdiction

| | |
|----------|---------|
| Missouri | \$19.00 |
|----------|---------|

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17. EXPANDED INTERCONNECTION SERVICES (Cont'd)

17.13 Physical EIS Rates and Charges (Cont'd)

17.13.9 Environmental Conditioning

Monthly Rate

Per 40 AMP Increment

Jurisdiction

| | |
|----------|----------|
| Missouri | \$106.49 |
|----------|----------|

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17. EXPANDED INTERCONNECTION SERVICES (Cont'd)

17.13 Physical EIS Rates and Charges (Cont'd)

17.13.10 Building Modification

Monthly Rate

Jurisdiction

Missouri \$235.68

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17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.14 Expanded Interconnection Service Alternatives17.14.1 Competitive Alternate Transport Terminal (CATT) Arrangement(A) General

The Competitive Alternate Transport Terminal (CATT) arrangement provides third party competitive fiber providers (CFPs) access to a shared, alternate splice point within a Telephone Company wire center for the sole purpose of splicing its facilities for distribution to EIS arrangements within that wire center.

All applicable universal regulations that apply to EIS customers as set forth in this Section also apply to the CFP and its facilities to the CATT.

(B) Service Description

The CATT arrangement allows for the placing of a maximum of 432 fibers and a minimum of 72 fibers, per entrance manhole, in an Alternate Splice Area (ASA), as determined by the Telephone Company, within a Telephone Company wire center. CFPs will be billed for the entire capacity of the fiber that is placed regardless of the number of fibers spliced initially. At the option, of the CFP up to an additional 432 diversely routed fibers may be spliced at the CATT, where manhole space and conduit is available. In those wire centers with only one entry point, a CFP may request Special Construction of any additional entry points as described in the BRIGHTSPEED LOCAL OPERATING COMPANIES Tariff FCC No. 5.

The CFP is responsible for all splicing done at the CATT. CFPs shall splice and terminate a minimum of 24 fibers at the CATT upon cable installation, per entrance facility, for use in the wire center.

All CFP facilities and splices must comply with the NEBS standards as set forth in Section 17.7.4(J) preceding.

Prior to all CATT installations, the CFP will be required to attend a pre-construction meeting or teleconference with the Telephone Company. The meeting will be attended by Telephone Company and CFP technical subject matter experts to review the details of the CATT installation, Telephone Company procedures, project schedule and exchange documentation on the engineering specifics of the project.

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17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.14 Expanded Interconnection Service Alternatives (Cont'd)17.14.1 Competitive Alternate Transport Terminal (CATT) Arrangement (Cont'd)(B) Service Description (Cont'd)

All work performed by a CFP or its agents on Telephone Company premises requires an authorized Telephone Company representative to escort the CFP or its agents and provide access to the wire center.

The CFP must provide the Telephone Company 72 hours written notice to allow for assignment of an escort for the project. The applicable Additional Labor Charges in Section 8.2.6 are applied per Telephone Company representative, per half-hour, to recover Telephone Company escort (s') time.

Activities requiring an escort are:

- (a) CFP Cable Pull – CFP installation of the fiber cable from manhole zero to the CATT arrangement by a Telephone Company approved vendor.
- (b) CFP Cable Splice – CFP installation of the fiber and the splice tray at the CATT arrangement and the splicing of the EIS customer provided fiber at the CFP's splice tray at the CATT arrangement.
- (c) CFP Cable Maintenance - The CFP maintenance on defective splices and fiber cables installed by the CFP at the CATT.
- (d) EIS Customer Cable Pull – EIS customer installation of the fiber cable from its Physical EIS arrangement to the CATT arrangement.

CATT arrangements are subject to space availability, i.e., floor space, duct space, etc., within Telephone Company wire center premises.

Upon receipt of a completed CATT Application and fee, the Telephone Company will provide the CFP a CATT price quote within 8 business days from receipt of the application. The quote will be honored for 30 days from issuance of the quote.

The Telephone Company will initiate billing for all applicable recurring and non-recurring charges when the CFP completes the installation of its fiber cable and splice tray and the installation is inspected by the Telephone Company.

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17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.14 Expanded Interconnection Service Alternatives (Cont'd)17.14.1 Competitive Alternate Transport Terminal (CATT) Arrangement (Cont'd)(C) Provisioning of CFP Facilities to the CATT

The CFP will be responsible for supplying and pulling the fiber cable from the Telephone Company designated manhole to the ASA location, designated by the Telephone Company, by a Telephone Company approved vendor. Telephone Company personnel will approve the cable to be provided by the CFP before it is pulled into the wire center. An authorized Telephone Company representative must escort the approved vendor(s) during the cable pull and the splicing at the CATT. The CFP must follow all Telephone Company cable installation requirements and procedures.

The CFP must provide a Telephone Company approved splice tray and fire retardant cable enclosure before any splicing to the CATT is done. Enclosures and splice trays installed by the CFP must equal the capacity of the installed fiber at 72 fibers per shelf.

The CFP will not store any equipment in the CATT area other than the splice tray and cable enclosure.

All testing of the spliced facility (e.g., end-to-end, bi-directionality, etc.) is the responsibility of the CFP. The CFP is also responsible for the maintenance of its fiber.

The Cable Space Charge, as set forth in Section 17.10.1, preceding, is assessed to the CFP for the space in the zero manhole, conduit, riser and cable rack occupied by the fiber cable between the manhole and the CATT arrangement.

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17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.14 Expanded Interconnection Service Alternatives (Cont'd)17.14.1 Competitive Alternate Transport Terminal (CATT) Arrangement (Cont'd)(C) Provisioning of CFP Facilities to the CATT (Cont'd)

The Telephone Company will not allow transition splices within the cable vault. All CFP entrance fiber cables and activities associated with pulling the cable into the wire center and to the CATT arrangement must comply with Telephone Company practices and procedures. At any time, should the CFPs' installation be found in non-compliance with Telephone Company practices, the CFP will be responsible for correcting the problem within 48 hours of notification by the Telephone Company.

The Telephone Company provides and retains ownership of the equipment bay used in the CATT arrangement. The Telephone Company may conduct a quality inspection when the work is completed. At any time, should the CFPs installation be found in non-compliance with Brightspeed practices, the CFP will be responsible for correcting the problem within 48 hours of notification by the Telephone Company.

The CFP shall be responsible for the maintenance of defective splices and fiber cables installed by the CFP. An authorized Telephone Company representative must escort the CFP, or approved CFP agents, while any maintenance is performed on the CATT arrangement. Charges for escorting will be based on the applicable Additional Labor rates as set forth under Section 8.2.6.

The CFP will be responsible for placing an identification tag on its entrance fiber every 20 feet. The ID tags should include CFP company name, emergency contact name and telephone number, cable ID number and 11 character Common Language Location Identifier (CLLI) Code. The CFP splice tray at the CATT must also be labeled with the same CFP information.

Installation of CFP facilities is subject to all applicable regulations for EIS provided facilities as set forth in section 17.7.4 preceding.

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17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.14 Expanded Interconnection Service Alternatives (Cont'd)17.14.1 Competitive Alternate Transport Terminal (CATT) Arrangement (Cont'd)(D) Provisioning of Facilities from CATT to EIS Arrangements

EIS customers may request CFP provided CATT transport connections in a minimum of 12 strand increments in wire centers, where available, for Physical or Virtual EIS arrangements.

The EIS customer must submit an EIS Application Form, as set forth in Section 17.5.1 and Section 17.5.2 preceding, in addition to the applicable Application Fee when ordering a CATT transport connection along with an initial EIS arrangement.

When the EIS customer requests a CATT transport connection for an existing EIS arrangement, the EIS customer must submit an EIS Augment Application and a Minor Augment Fee for the CATT connection. The Minor Augment Fee can be found in Section 17.13.7, preceding.

Physical EIS customers must use a Telephone Company approved vendor and adhere to Telephone Company engineering specifications and practices. The vendor will hand off the cable to the CFP who will splice the cable at the CATT. An authorized Telephone Company representative must escort the EIS customer's vendors during the installation of the cable. The demarcation point will be a minimum of five feet from the CATT.

For Virtual EIS arrangements, the Telephone Company will place/pull the EIS customer provided fiber cable (minimum 12 strands) from the EIS customer's Virtual EIS arrangement and hand off the cable to the CFP in the CATT area. The CFP will perform the splice at the CATT under Telephone Company escort. The demarcation point will be a minimum of five feet from the CATT.

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17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.14 Expanded Interconnection Service Alternatives (Cont'd)17.14.1 Competitive Alternate Transport Terminal (CATT) Arrangement (Cont'd)(D) Provisioning of Facilities from CATT to EIS Arrangements (Cont'd)

A facility pull charge will be applied to the EIS customer for the labor hours required when the Telephone Company places/pulls the EIS customer provided fiber cable (minimum 12 fibers) from their Virtual EIS arrangement to the hand off to the CFP in the CATT area. The charge assessed to the CFP is based on the total labor hours times the applicable Labor Charges in Section 8.2.6 of this tariff.

Installation of CFP facilities from the CATT is subject to all applicable regulations for EIS customer-provided facilities as set forth in Section 17.7.4 preceding.

(E) Cancellation of a CATT Arrangement

Upon written notice by the CFP to the Telephone Company and all CATT customers of the cancellation of the CATT arrangement or discontinuance of the CATT arrangement by the Telephone Company due to default by the CFP, the following conditions would apply:

- (1) Upon notice of a CATT arrangement cancellation, the CFP shall continue to provide the CATT service for all EIS customers spliced to the CATT arrangement for a minimum of 60 days after said notice. The date that the CATT service will no longer be available is the "effective cancellation date". The cancellation notice must include the effective cancellation date.
- (2) The CFP would be responsible for removal of its splice tray(s) and support equipment from the CATT relay rack.
- (3) Removal of all CFP provided fiber cable from the premises within 30 days after the effective cancellation date. The CFP will perform the removal under Telephone Company escort. The customer will be charged the appropriate Additional Labor charge in Section 8.2.6 for the escort.
- (4) The Telephone Company reserves the right to remove the CFPs equipment if the CFP fails to remove and dispose of the fiber and equipment within 30 days after the effective cancellation date. The CFP will be charged the appropriate Additional Labor charge in Section 8.2.6 for removal of the fiber and equipment.

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17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.14. Expanded Interconnection Service Alternatives (Cont'd)17.14.1 Competitive Alternate Transport Terminal (CATT) Arrangement (Cont'd)(F) Cancellation of the EIS Customer's Connection to the CATT Arrangement

Upon written notice from the EIS customer of the cancellation of its CATT connection, EIS arrangement or notice by the CFP of the effective cancellation date that the CATT arrangement will be discontinued, the following conditions would apply:

- (1) The EIS customer would be responsible for removal of its EIS customer-provided fiber cable from the EIS arrangement to the CATT arrangement within 30 days after the effective cancellation date.
- (2) For Physical arrangements, the EIS customer will perform the removal of the fiber cable, under Telephone Company escort. The EIS customer will be charged the appropriate Additional Labor charge in Section 8.2.6 for the escort.
- (3) The Telephone Company reserves the right to remove the EIS customer's fiber cable if the EIS customer fails to remove and dispose of the fiber cable 30 days after the effective cancellation date. The customer will be charged the appropriate Additional Labor charge in Section 8.2.6 for removal of the fiber cable.
- (4) For Virtual arrangements, the Telephone Company will remove the fiber cable. The EIS customer will be charged the appropriate Additional Labor charge in Section 8.2.6 for the removal of the cable.

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17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.14. Expanded Interconnection Service Alternatives (Cont'd)17.14.1 Competitive Alternate Transport Terminal (CATT) Arrangement (Cont'd)(G) Rate Regulations

(1) CATT Application Fee

A CATT Application Fee, as set forth in Section 17.14.1(H)(1) following, is to be submitted by the CFP in order to process their completed application. The CATT Application Fee is a nonrecurring charge and recovers the expenses associated with the application processing, initial engineering site survey to assess space availability and the administrative activities performed by the Telephone Company in the processing of the request. The CATT Application Fee is non-refundable and applies for each request in which CFP facilities will be spliced at the CATT. The Telephone Company will process applications on a first-come, first-served basis.

(2) Engineering and Implementation Fee

An Engineering and Implementation Fee, as set forth in Section 17.14.1(H)(2) following, applies for Telephone Company planning, engineering and project management of CATT equipment installations and associated cabling. This nonrecurring charge applies to new CATT arrangements, as well as fiber or equipment augments to existing CATT arrangements.

(3) Relay Rack Space – Per Splice Tray

The Relay Rack Space – Per Splice Tray rate, as set forth in Section 17.14.1(H)(3) following, is assessed monthly to the CFP for the cost of providing the floor space for the CATT and for the Telephone Company

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17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.14 Expanded Interconnection Service Alternatives (Cont'd)17.14.1 Competitive Alternate Transport Terminal (CATT) Arrangement (Cont'd)(G) Rate Regulations (Cont'd)

(4) Cable Rack Space –CATT to EIS Arrangement

This is a monthly recurring charge assessed, per innerduct foot of 12-fiber cable, to the EIS customer for the overhead superstructure space the fiber cable occupies from the CATT to the EIS arrangement. The rates for the Cable Rack Space-CATT to EIS Arrangement are in Section 17.14.1(H)(4), following.

(5) Facility Pull - Labor

A charge to pull the fiber cable will be assessed to the EIS customer for the labor hours required by the Telephone Company to place/pull the EIS customer-provided fiber cable (minimum 12 fibers) from their virtual EIS arrangement to the hand off to the CFP in the CATT area. The charge assessed the CFP is based on the total labor hours times the rate from the applicable Labor Charges in Section 8.2.6 of this tariff.

(6) Overhead Superstructure

The Overhead Superstructure charge, as set forth in Section 17.13.2, preceding, is used to recover the Telephone Company's engineering, material and installation costs for extending dedicated overhead racking required to deliver a CFP's or EIS customer's fiber to and from a CATT arrangement.

(7) Cable Space Charge

The Cable Space Charge, as set forth in Section 17.10.1, preceding, is assessed to the CFP for the space in the zero manhole, conduit, riser and cable rack occupied by the fiber cable between the manhole and the CATT arrangement.

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17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.14 Expanded Interconnection Service Alternatives (Cont'd)17.14.1 Competitive Alternate Transport Terminal (CATT) Arrangement (Cont'd)(H) Rates and Charges(1) CATT Application FeeNonrecurring ChargeJurisdiction

Missouri

\$694.18

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17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.14 Expanded Interconnection Service Alternatives (Cont'd)17.14.1 Competitive Alternate Transport Terminal (CATT) Arrangement (Cont'd)(H) Rates and Charges (Cont'd)(2) Engineering and Implementation FeeNonrecurring ChargeJurisdiction

| | |
|----------|------------|
| Missouri | \$1,132.61 |
|----------|------------|

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17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.14 Expanded Interconnection Service Alternatives (Cont'd)17.14.1 Competitive Alternate Transport Terminal (CATT) Arrangement (Cont'd)(H) Rates and Charges (Cont'd)(3) Relay Rack Space – Per Splice TrayMonthly ChargeJurisdiction

| | |
|----------|---------|
| Missouri | \$19.77 |
|----------|---------|

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17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.14 Expanded Interconnection Service Alternatives (Cont'd)17.14.1 Competitive Alternate Transport Terminal (CATT) Arrangement (Cont'd)(H) Rates and Charges (Cont'd)(4) Cable Rack Space, Per Innerduct FootMonthly Charge,Jurisdiction

| | |
|----------|------|
| Missouri | 0.01 |
|----------|------|

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ACCESS SERVICE

18 ADVANCED COMMUNICATIONS NETWORKS18.1 General

This section contains the rules and regulations pertaining to the provision of Packet Switching Network Service, and Modem Based Data Aggregation Service TCP/IP. The regulations and rates specified herein are in addition to the applicable regulations and rates specified in other sections of this tariff.

18.1.1 Reserved for Future Use18.1.2 Service Rearrangements

Service rearrangements are changes to existing (installed) services which may be administrative only in nature, or that involve actual physical change to the service.

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 follows.

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 or record does not change but rather the name of record changes its name, e.g., XYZ Company to XYZ Communications,

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18. ADVANCED COMMUNICATIONS NETWORKS (Cont'd)18.1 General (Cont'd)18.1.2 Service Rearrangements (Cont'd)

- 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.

18.1.3 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 may also be applicable at the different customer premises.

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.

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18. ADVANCED COMMUNICATIONS NETWORKS (Cont'd)18.1 General (Cont'd)18.1.3 Moves (Cont'd)(A) Same CDL

When the move of a termination is to a new point within the same customer premises (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.

(B) Different Customer Premises

When the move is to a different customer premises (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 payment plan regulations, a new payment plan will be established and full assessment of the remaining liabilities will be applicable.

When the move is to a different CDL but served by the same serving wire center, the following conditions apply:

- A change order 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.

ACCESS SERVICE

18. ADVANCED COMMUNICATIONS NETWORKS (Cont'd)18.2 Packet Switching Network Service18.2.1 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 premises. The packet switch will be classified as a customer premises.

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.

18.2.2 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, and a DDS Circuit Termination charge (9.6 Kbps or 56 Kbps) with associated DDS Special Transport charges, as set forth in Section 7.

The Circuit Termination 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 packet usage recorded at the Telephone Company's packet switch will be billed by the Telephone Company.

ACCESS SERVICE

18. ADVANCED COMMUNICATIONS NETWORKS (Cont'd)18.2 Packet Switching Network Service (Cont'd)18.2.3 Rate Regulations(A) Minimum Period

The minimum service period is one month.

(B) Rate Application

- (1) The monthly rates are flat-rated and are applied based on the speed and number of logical channels subscribed to per access port.
- (2) 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 18.6.1. A DDS Circuit Termination charge (9.6 Kbps or 56 Kbps) and associated DDS Special Transport charges from Section 7 will also apply.

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18. ADVANCED COMMUNICATIONS NETWORKS (Cont'd)

18.2 Packet Switching Network Service (Cont'd)

18.2.4 Supplemental Features

- (A) 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.
- (B) 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.

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18. ADVANCED COMMUNICATIONS NETWORKS (Cont'd)18.3 Modem Based Data Aggregation Service18.3.1 Service Description

TCP/IP Data Aggregation Service is available in two service options. The basic offering is identified as Option 1 following. The high density offering is identified as Option 2 following.

(A) Service Option 1

Service Option 1 is only available under the BRIGHTSPEED LOCAL OPERATING COMPANIES' Tariffs F.C.C. Nos. 2 and 3.

Modem based data aggregation provides analog and ISDN dial-up channels which enable the customer to collect, concentrate, and transport traffic from end users to customer designated locations.

All IP (Internet Protocol) addressing and authentication are the responsibility of the customer. TCP/IP does not include the end user access service.

TCP/IP will utilize TCP/IP protocols based on IETF (Internet Engineering Task Force) standards. IETF is the engineering arm of the IAB (Internet Architecture Board). IETF defines protocol standards for Internet services. This tariff supports the following standards:

| | |
|-------|-------------------------------|
| IP | Internet Protocol |
| TCP | Transmission Control Protocol |
| SLIP | Serial Line IP |
| CSLIP | Compressed Serial Line IP |
| PPP | Point to Point Protocol |

(B) Service Option 2

In addition to the description of service under Service Option 1, TCP/IP Service Option 2 utilizes high density modem aggregation equipment that accepts a higher data rate of incoming traffic and delivers a higher data rate output than is available under Option 1. The equipment has the capacity for 2,688 modems per chassis, as compared with the equipment used for Option 1, which can accommodate up to 480 modems per chassis. The greater number of modems results in the capability to accept a larger number of incoming calls than is offered under Option 1. The equipment used in this option is designed for this higher traffic volume and requires a minimum input data rate from the central office switch of 45 Mbps, as contrasted with Option 1, where the equipment can accept incoming data up to a maximum rate of 1.544 Mbps. In order to accommodate the greater number of incoming calls and provide the 45 Mbps input, the equipment may use multiplexing functionality to aggregate the traffic from the switch to the modem aggregation equipment.

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18. ADVANCED COMMUNICATIONS NETWORKS (Cont'd)18.3 Modem Based Data Aggregation Service (Cont'd)18.3.1 Service Description (Cont'd)

(B) Service Option 2 (Cont'd)

Service Option 2 is available only under a three-year minimum subscription period, and only with a minimum of 151,001 channels from the combined BRIGHTSPEED LOCAL OPERATING COMPANIES under Tariffs F.C.C. Number 2, and 3.

The modem aggregation equipment is for the exclusive use of the customer, and will be provisioned in accordance with a mutually agreed implementation plan. This option is provisioned with a minimum requirement for 144 channels at each Telephone Company central office.

The service will be delivered to the customer at data rates of 45 Mbps.

The service provides the customer with monitoring and management capabilities, and gives the customer exclusive operational control over the functionality of the equipment. The customer's operation software and system must be capable of handling the higher data rates available under this option. Specifications for the current system requirements are available from the Telephone Company.

TCP/IP service provided under Option 1 is available where facilities and conditions permit. TCP/IP service provided under Option 2 is available from selected wire centers as identified in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4. Some of these wire centers are suitably equipped to provide the service while others subtend a suitably equipped wire center. Included in the Service Option 2 rates set forth in 18.3.5(B) following is the necessary transport from a subtending wire center to a suitably equipped wire center for this Option 2.

18.3.2 Obligations of the Telephone Company

The Telephone Company has the service responsibility up to and including the network interface. Special Access Lines and Special Transport beyond the TCP/IP service are available from Section 7.

The Telephone Company will notify the customer of the completion and readiness of the requested TCP/IP site.

For Service Option 2, the Telephone Company will provide the customer with 120 hours notice in advance of scheduled maintenance at the Telephone Company's central office that could adversely impact the service.

For Service Option 2, the service includes upgrades to hardware and software at no charge to the customer when the Telephone Company's suppliers make such upgrades available to the Telephone Company without charge, and the Telephone Company reasonably determines it can implement the upgrades at nominal cost.

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18. ADVANCED COMMUNICATIONS NETWORKS (Cont'd)18.3 Modem Based Data Aggregation Service (Cont'd)18.3.3 Obligations of the Customer

The customer is responsible for obtaining an appropriate IP address.

- The customer's equipment must be compatible with the Telephone Company's equipment.
- The customer shall furnish information as may be required by the Telephone Company to design and maintain the service and to assure that the service arrangement is in compliance with the regulations contained herein.
- The customer's equipment must be in compliance with FCC rules and regulations.
- The customer must maintain software configuration, software management, and authentication control.
- For Service Option 2, the customer will provide the Telephone Company with at least 10 business days prior written notice before deploying any new planned software upgrades on the TCP/IP equipment that would implement any new major features or functionalities. Notwithstanding the foregoing, the customer shall be entitled to make emergency software upgrades and code revisions, without prior notice to the Telephone Company, in the event the customer or its end users experience problems in the network that materially and adversely affect the ability of the TCP/IP channels to meet performance requirements.
- For Service Option 2, the customer must notify the Telephone Company of any firm order cancellations to ordered channels before the Telephone Company begins service installation activities. Firm order cancellations received after installation work has started will incur charges for time and materials. Such cancelled channels shall not be subject to the 36 month commitment period for the channel.

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18 ADVANCED COMMUNICATIONS NETWORKS (Cont'd)18.3 Modem Based Data Aggregation Service (Cont'd)18.3.4 Rate Regulations

(A) Service Option 1

(1) Minimum Period

- (a) The minimum service period for TCP/IP Service Option 1 is four years for initial enrollment with two options for extension during the total time of subscription. A five year rate plan is also available.
- (b) For all TCP/IP data aggregation services, the billing will commence on the date customer acceptance has been completed or the 60th calendar day following the date of the Telephone Company's notification to the customer of site completion, whichever is sooner.

(2) Rate Application

- (a) Service Option 1 rates will be applied on a monthly basis per combined analog or ISDN dial-up channels based upon the total number of billed channels nationwide. The term Nationwide is defined as the aggregate of billed channels for BRIGHTSPEED LOCAL OPERATING COMPANIES. Rates are based on a tiered structure. A dial up channel is defined as an individual circuit from the central office circuit switch to the modem pool.

In the 4 year rate plan for modem based dial up TCP/IP, the tiers will be: 4,000-7,999, 8,000-11,999, 12,000-15,999, 16,000-23,999; 24,000-31,999; 32,000-39,999; and, 40,000 channels or more on a nationwide basis.

In the 5 year rate plan for modem based TCP/IP dial-up channels, the tiers will be: 8,000-11,999, 12,000-23,999, 24,000-39,999, and 40,000 or more on a nationwide basis.

In the 6 year rate plan for modem based TCP/IP dial-up channels, the tiers will be: 40,000-59,999, 60,000-79,999, 80,000-99,999, 100,000-119,999, 120,000-139,999, 140,000-159,999, 160,000-179,999, 180,000-199,999, and 200,000 or more channels on a nationwide basis.

In the 7 year rate plan for modem based TCP/IP dial-up channels, the tiers will be: 200,000-284,999 and 285,000 or more channels on a nationwide basis. When the aggregated number of billed channels reaches 285,000 or more, there are three tiers for billing each of the first 300,000 channels and a separate rate for each additional channel exceeding 285,000. The tiers are 285,000-334,999, 335,000-384,999 and 385,000 or more total aggregated billed channels.

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18. ADVANCED COMMUNICATIONS NETWORKS (Cont'd)18.3 Modem Based Data Aggregation Service (Cont'd)18.3.4 Rate Regulations (Cont'd)

(A) Service Option 1 (Cont'd)

(2) Rate Application (Cont'd)

The total number of analog and ISDN TCP/IP service Option 1 channels will determine the rate to be applied to all dial-up channels at each central office. For example, if the total number of dial-up channels is 9,250, all dial-up channels will be rated at the rate for the 8,000-11,999 tier. In those cases where customer orders are awaiting site completion beyond 30 days after ASRs have been verified by the Telephone Company to be provisionable, the rate tier will be determined based upon the total channels billed. Once site completion occurs, 18.3.5 is applicable.

(3) Shared use (ratcheting) is not permitted.

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18. ADVANCED COMMUNICATIONS NETWORKS (Cont'd)18.3 Modem Based Data Aggregation Service (Cont'd)18.3.4 Rate Regulations (Cont'd)

(A) Service Option 1 (Cont'd)

(3) Term of Commitment

The service is initially offered as a minimum four year commitment period.

(4) Commitment Levels

An implementation period not to exceed six months for the 4 year rate plan and twelve months for the 5 year rate plan will be negotiated between the Telephone Company and the customer. During implementation, the applicable rate will be determined by the total number of modem channels or dedicated ports in service. However,

- (a) Under the 4 year rate plan for modem based data aggregation, if the total number of dial-up channels during implementation is less than 4,000, the rate for 4,000-7,999 will apply. Following the six months implementation period the minimum monthly nationwide commitment is 4,000 combined analog and ISDN dial-up channels. The commitment level will apply to TCP/IP total dial-up channels.
- (b) Under the 5 year rate plan for modem based data aggregation, if the total number of dial-up channels during implementation is less than 8,000, the 8,000-11,999 rate will apply. Following the twelve month implementation period, the minimum monthly nationwide commitment is 8,000 combined analog and ISDN dial-up channels. The commitment level will apply to TCP/IP total dial-up channels.

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18. ADVANCED COMMUNICATIONS NETWORKS (Cont'd)18.3 Modem Based Data Aggregation Service (Cont'd)18.3.4 Rate Regulations

(A) Service Option 1 (Cont'd)

(5) Changes to Commitment Level

Once activated, the total nationwide quantity of analog and ISDN channels must remain in service for the remainder of the commitment period. An allowance of a 2% decrease to the combined in service quantities of analog and ISDN channels (quantified at each quarterly review) will be permitted. Penalties for not meeting the commitment level are set forth under 18.3.4(A)(8).

(6) Service Enrollment

When the customer elects to enroll in Service Option 1, he/she must specify in writing, the enrollment date (which will be the anniversary date). The specified enrollment date must be within 120 days from receipt of the written enrollment request. The customer must also specify the central offices to be included. By the enrollment date, ASRs must be issued to provide the appropriate amount of TCP/IP Channels to fall within the commitment range specified in 18.3.4(B) as appropriate.

At enrollment, the minimum modem based services per central office is 24 analog channels or 23 ISDN channels. The maximum number of central offices deployed to meet the 4,000 minimum analog and/or ISDN channel commitment is 60 separate central offices. 8,000 analog and/or ISDN channels will have a maximum of 120 central offices, 16,000 analog and/or ISDN channels will have a maximum of 240 central offices and 24,000 or more analog and/or ISDN channels will have a maximum of 320 central offices. The 320 central office maximum is maintained for all channel quantities above 24,000.

Subsequent to enrollment, growth ASR orders require a 24 channel analog or 23 ISDN minimum.

(7) Quarterly Review

Each customer's service commitment will be reviewed quarterly beginning at the first enrollment anniversary. The customer will be notified in writing as to the status of the commitment requirements. This notification will inform the customer of any shortfall in the channel quantity level. Penalties for a missed commitment level are set forth under 18.3.4(A)(8).

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18. ADVANCED COMMUNICATIONS NETWORKS (Cont'd)18.3 Modem Based Data Aggregation Service (Cont'd)18.3.4 Rate Regulations (Cont'd)

(A) Service Option 1 (Cont'd)

(8) Penalties for Failing to Obtain the First Six Month Commitment Level

At the second quarterly review, when the number of channels is less than the acceptable commitment range, the following penalty charges will apply, based on the difference between the commitment level less 2%. Channel quantity shortfalls of in service units below the minimum commitment level will incur a liability charge of 50% of the 4,000-7,999 analog channel rate per month, per unit below the commitment level until the enrollment commitment is obtained.

(9) Service Availability

During the four year subscription period commencing at the enrollment date, the Telephone Company objective level of service availability will be 98% of the monthly hours of operation for each central office. Should the service availability actually be less than 98% of monthly hours for the average channel of a central office (e.g., 30 days x 24 hrs. x .98 = 705.6 hrs.), the customer may terminate subscription for that central office without any termination liability or receive a credit of 40% of the monthly bill for that central office.

(10) Renewal Options

(a) Renewal Option 1 - No Growth in Months 37 to 48 of 4 Year Plan or 49 to 60 of 5 Year Plan

At the expiration of the term, the customer may select an additional four year or five year commitment, or convert to a month to month basis. If the customer fails to make a selection, the Telephone Company will notify the customer and continue with an additional month of billing. If the customer does not select a new term agreement within 30 days from the expiration date, billing will automatically continue on a month to month basis. To cancel the agreement after the initial four year term or five year term, the customer must provide written notification to the Telephone Company that the service will be terminated.

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18. ADVANCED COMMUNICATIONS NETWORKS (Cont'd)18.3 Modem Based Data Aggregation Service (Cont'd)18.3.4 Rate Regulations (Cont'd)

(A) Service Option 1 (Cont'd)

(10) Renewal Options (Cont'd)

(b) Renewal Option 2 - Convert to 5 Year Rate Plan/Growth in Months 37 to 48

During the first 36 months of the 4 year rate plan, the customer may enroll in the 5 year rate plan if the customer has reached the 4,000 port tier. Months already completed will be credited toward meeting the 5 year enrollment term commitment. The 5 year renewal option has a requirement of reaching the 12,000 port tier within three months following the renewal letter date. Growth is restricted to the first 48 months of the 5 year rate plan. No growth is permitted in months 49-60. An allowance of a 2% decrease in units (quantified at each quarterly review) will be permitted. If the decline in units exceeds 2%, 50% of the monthly rate will be assessed through month 60 for the number of deficient units (exceeding the 2% decline threshold).

(c) Renewal Option 3 - Convert to 6 Year Rate Plan

During the first 36 months of the 48 month or 48 months of the 60 month commitment, the customer may enroll in the 6 year commitment period rate plan, if the customer has reached the 40,000 port tier. Months already completed from the original enrollment will be credited to meeting the 6 year enrollment commitment. The customer must request this option in writing and provide a copy of the initial enrollment letter or designate the months accumulated under the initial enrollment. The 6 year plan has no growth restrictions in any of the 72 months of the plan.

(d) Renewal Option 4 - Convert to 7 Year Rate Plan

During the first 72 months of the 6 year plan, the customer may enroll in the 7 year plan if the customer has reached the 200,000 port tier. Months already completed from prior plan enrollments will be credited to meeting the 7 year enrollment commitment. The customer must request this option in writing and provide a copy of the initial enrollment letter or designate the months accumulated under the initial enrollment. The 7 year plan has no growth restrictions in any of the 84 months of the plan.

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18. ADVANCED COMMUNICATIONS NETWORKS (Cont'd)

18.3 Modem Based Data Aggregation Service (Cont'd)

18.3.4 Rate Regulations (Cont'd)

(A) Service Option 1 (Cont'd)

(11) Termination With Liability

Once the initial channel level commitment is met, a reduction of nationwide channel quantities from the installed base (determined at each quarterly review) will incur a termination liability of 50% of the remaining monthly payments to the end of the subscribed period.

Modem services which are discontinued are not held in reserve for customer use at the time of disconnection.

(12) Termination Without Liability

During the customer's subscription period, should the monthly rate for a customer's TCP/IP service increase due to Telephone Company action, the customer may at his/her option, terminate the subscription without penalty or liability.

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18. ADVANCED COMMUNICATIONS NETWORKS (Cont'd)18.3 Modem Based Data Aggregation Service (Cont'd)18.3.4 Rate Regulations (Cont'd)

(B) Service Option 2

(1) Enrollment Period and Termination of Service

- (a) Service Option 2 requires a 36 month commitment period for each channel, commencing on the activation of the channel. The customer must provide the Telephone Company with written notification of subscription to Service Option 2.
- (b) After completion of the initial 36 month commitment period, channels will remain in service on a month-to-month basis, subject to termination by customer on 60 day written notice and termination by the Telephone Company on 180 day written notice.

(2) Rate Application

- (a) Service Option 2 is provided at the annual rates per channel shown in 18.3.5(B) following for the minimum 36 month enrollment period, and thereafter on a month-to-month basis at 1/12 of the annual rate.
- (b) The customer can request the Telephone Company move (disconnect and reconnect) channels from one Telephone Company TCP/IP location to another, up to a maximum of 5% per calendar year quarter of the total channels in service within each calendar quarter, at the per-channel non-recurring charges set out below. Moved channels will be placed back in service within ninety (90) calendar days, or such other reactivation time period as may be mutually agreed-upon at the time of disconnect. Disconnect and reconnect move orders will be processed concurrently. Billing for the channels will continue during the move process. The service interval for moving channels is provided on a negotiated basis. Move charges are shown in 18.3.5(B) following.

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18. ADVANCED COMMUNICATIONS NETWORKS (Cont'd)18.3 Modem Based Data Aggregation Service (Cont'd)18.3.4 Rate Regulations (Cont'd)

(B) Service Option 2 (Cont'd)

(3) Commitment Levels and Shortfall Charge

- (a) The customer's minimum commitment under this option is to place in service 151,001 channels (in the aggregate across all Telephone Company operating territories) by the end of a ramp-up period of 270 days after the customer's first order for channels, and to maintain that minimum number of channels in-service through the third anniversary of the acceptance date of the customer's initial channel.
- (b) If the Telephone Company ceases to offer high density TCP/IP service in a location through transfer of ownership of a Telephone Company central office to a non-Telephone Company entity, the minimum commitment shall be reduced by the number of the channels that had been provided at that central office.
- (c) The minimum commitment shall also be reduced by the number of channels terminated by the customer due to missed FOC/CFA dates as described in (4) following.
- (d) Channels that are in the process of being moved shall continue to be counted toward the minimum commitment.
- (e) The minimum commitment ends after the third anniversary referenced in (a) preceding.
- (f) At the end of the 270-day ramp-up period specified in (a) preceding and on the first and second anniversary of this date, the Telephone Company will notify customer of the current channel inventory and any shortfall below the minimum commitment specified in (a) preceding. The Telephone Company will then charge the customer for any shortfall in subscribed TCP/IP channels for the applicable period. The shortfall charge is the annual rate multiplied by the number of channels below the minimum commitment.

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18. ADVANCED COMMUNICATIONS NETWORKS (Cont'd)18.3 Modem Based Data Aggregation Service (Cont'd)18.3.4 Rate Regulations (Cont'd)

(B) Service Option 2 (Cont'd)

(4) Delivery Commitment by the Telephone Company

If the Telephone Company cannot complete an installation within 15 calendar days after the applicable FOC/CFA date specified in the firm order, then at any time prior to the availability of the channel, the customer may terminate the applicable order, upon written notice to the Telephone Company, without any associated cancellation charge or other liability. In such case, the minimum commitment will be reduced by the quantity of channels in the missed order, without any associated increase in the per channel price. The reduction will not apply in the event the Telephone Company and the customer mutually agree to adjust the FOC/CFA dates or to shift the scheduled installation of channels from one location to another.

(5) Service Availability

The Telephone Company's objective for service availability for this high density service option is 99.9% of the monthly hours of operation for each Telephone Company central office that provides the service. Should service availability actually be less than 99.9% of the total monthly hours for the average channels at a central office (e.g., 30 days multiplied by 24 hours multiplied by .999 = 719 hours per average channel), the customer will receive a credit of 40% of the monthly charge (1/12 of the annual rate) for the affected average channels in the central office.

(6) Force Majeure

The Telephone Company and the customer shall be excused from performance under this high density service option to the extent that performance is delayed or prevented by any event, condition or circumstance that is beyond the control of the party affected and that, despite all efforts of the such party to prevent it or mitigate its effects, such event, condition or circumstance prevents the performance by such party of its obligations. Force Majeure Events include, but are not limited to: (i) explosion and fire; (ii) flood, earthquake, unusually severe storm, or other natural calamity or act of God; (iii) strike or other labor dispute; (iv) war, insurrection or riot and (v) acts of or failure to act by any governmental authority. Force Majeure Events do not include acts of customer's customers or end users, including actions that reduce the quantity of TCP/IP channels purchased by those customers or end users, or the length of the term of subscription to such channels.

(7) Early Termination of Service

In the event that TCP/IP service under Service Option 2 is terminated in its entirety prior to satisfying the 36 month enrollment period as described in (1) preceding, the customer is responsible for satisfying the outstanding charges for the minimum commitment through the balance of the enrollment period.

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18. ADVANCED COMMUNICATIONS NETWORKS (Cont'd)18.3 Modem Based Data Aggregation Service (Cont'd)18.3.5 Rates and Charges

(A) Service Option 1

(1) Analog TCP/IP Access - 4 Year Rate Plan

Combined Analog and ISDN Nationwide Channels, Per Month, Per Channel

| | 4,000-7,999 Billed <u>Channels</u> | 8,000-11,999 Billed <u>Channels</u> | 12,000-15,999 Billed <u>Channels</u> | 16,000 - 23,999 Billed <u>Channels</u> |
|---------------------|--|---|--|--|
| <u>Jurisdiction</u> | | | | |
| Alabama | \$82.00 | \$74.00 | \$72.00 | \$70.00 |
| Missouri | 82.00 | 74.00 | 72.00 | 70.00 |

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18. ADVANCED COMMUNICATIONS NETWORKS (Cont'd)18.3 Modem Based Data Aggregation Service (Cont'd)18.3.5 Rates and Charges (Cont'd)

(A) Service Option 1 (Cont'd)

(1) Analog TCP/IP Access - 4 Year Rate Plan (Cont'd)

Combined Analog and ISDN Nationwide Channels, Per Month, Per Channel

| | 24,000-31,999 Billed <u>Channels</u> | 32,000-39,999 Billed <u>Channels</u> | 40,000 or more Billed <u>Channels</u> |
|---------------------|--|--|---|
| <u>Jurisdiction</u> | | | |
| Alabama | \$68.00 | \$66.00 | \$62.00 |
| Missouri | 68.00 | 66.00 | 62.00 |

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18. ADVANCED COMMUNICATIONS NETWORKS (Cont'd)18.3 Modem Based Data Aggregation Service (Cont'd)18.3.5 Rates and Charges

(A) Service Option 1 (Cont'd)

(2) Analog TCP/IP Access -5 Year Rate Plan

Combined Analog and ISDN Nationwide Channels, Per Month, Per Channel

| | 8,000-11,999 Billed Channels | 12,000-23,999 Billed Channels | 24,000-39,999 Billed Channels | 40,000 or more Billed Channels |
|---------------------|------------------------------------|-------------------------------------|-------------------------------------|--------------------------------------|
| <u>Jurisdiction</u> | | | | |
| Alabama | \$60.00 | \$59.00 | \$58.00 | \$57.00 |
| Missouri | 60.00 | 59.00 | 58.00 | 57.00 |

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18. ADVANCED COMMUNICATIONS NETWORKS (Cont'd)18.3 Modem Based Data Aggregation Service (Cont'd)18.3.5 Rates and Charges (Cont'd)

(A) Service Option 1 (Cont'd)

(3) Analog TCP/IP Access - 6 Year Rate Plan

Combined Analog and ISDN Nationwide Channels, Per Month, Per Channel

| | 40,000-59,999 Billed <u>Channels</u> | 60,000-79,999 Billed <u>Channels</u> | 80,000-99,999 Billed <u>Channels</u> |
|---------------------|--|--|--|
| <u>Jurisdiction</u> | | | |
| Alabama | \$55.00 | \$54.00 | \$53.00 |
| Missouri | 55.00 | 54.00 | 53.00 |

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18. ADVANCED COMMUNICATIONS NETWORKS (Cont'd)18.3 Modem Based Data Aggregation Service (Cont'd)18.3.5 Rates and Charges (Cont'd)

(A) Service Option 1 (Cont'd)

(3) Analog TCP/IP Access - 6 Year Rate Plan (Cont'd)

Combined Analog and ISDN Nationwide Channels, Per Month, Per Channel

| | 100,000-119,999 Billed <u>Channels</u> | 120,000-139,999 Billed <u>Channels</u> | 140,000-159,999 Billed <u>Channels</u> |
|---------------------|--|--|--|
| <u>Jurisdiction</u> | | | |
| Alabama | \$52.00 | \$51.00 | \$50.00 |
| Missouri | 52.00 | 51.00 | 50.00 |

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18. ADVANCED COMMUNICATIONS NETWORKS (Cont'd)18.3 Modem Based Data Aggregation Service (Cont'd)18.3.5 Rates and Charges (Cont'd)

(A) Service Option 1 (Cont'd)

(3) Analog TCP/IP Access - 6 Year Rate Plan (Cont'd)

Combined Analog and ISDN Nationwide Channels, Per Month, Per Channel

| | 160,000-179,999 Billed <u>Channels</u> | 180,000-199,999 Billed <u>Channels</u> | 200,000 or more Billed <u>Channels</u> |
|---------------------|--|--|--|
| <u>Jurisdiction</u> | | | |
| Alabama | \$49.00 | \$48.00 | \$46.00 |
| Missouri | 49.00 | 48.00 | 46.00 |

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18. ADVANCED COMMUNICATIONS NETWORKS (Cont'd)18.3 Modem Based Data Aggregation Service (Cont'd)18.3.5 Rates and Charges (Cont'd)

(A) Service Option 1 (Cont'd)

(3) Analog TCP/IP Access - 7 Year Rate Plan

Combined Analog and ISDN Nationwide Channels, Per Month, Per Channel

200,000-299,999
Billed
Channels

Jurisdiction

| | |
|----------|---------|
| Alabama | \$46.00 |
| Missouri | 46.00 |

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18. ADVANCED COMMUNICATIONS NETWORKS (Cont'd)18.3 Modem Based Data Aggregation Service (Cont'd)18.3.5 Rates and Charges (Cont'd)

(A) Service Option 1 (Cont'd)

(4) Analog TCP/IP Access - 7 Year Rate Plan (Cont'd)

Combined Analog and ISDN Nationwide Channels, Per Month, Per ChannelAdditional
1st 300,000 Billed Channels
Channels

| | <u>300,000-349,999 Billed Channels</u> | <u>350,000-399,999 Billed Channels</u> | <u>400,000 or More Billed Channels</u> | <u>Over 300,000 Billed Channels</u> |
|---------------------|--|--|--|---|
| <u>Jurisdiction</u> | | | | |
| Alabama | \$44.00 | \$42.00 | \$40.00 | \$32.00 |
| Missouri | 44.00 | 42.00 | 40.00 | 32.00 |

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18. ADVANCED COMMUNICATIONS NETWORKS (Cont'd)18.3 TCP/IP Data Aggregation Service (Cont'd)18.3.5 Rates and Charges (Cont'd)

(A) Service Option 1 (Cont'd)

(5) ISDN TCP/IP Access

Combined Analog and ISDN Nationwide Channels, Per Month, Per Channel

| | <u>500-999 Channels</u> | <u>1,000-2,999 Channels</u> | <u>3,000-4,999 Channels</u> | <u>5,000 or more Channels</u> |
|---------------------|-----------------------------|---------------------------------|---------------------------------|-----------------------------------|
| <u>Jurisdiction</u> | | | | |
| Alabama | \$76.00 | \$72.00 | \$68.00 | \$64.00 |
| Missouri | N/A | N/A | N/A | N/A |

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18. ADVANCED COMMUNICATIONS NETWORKS (Cont'd)18.3 TCP/IP Data Aggregation Service (Cont'd)18.3.5 Rates and Charges (Cont'd)

(B) Service Option 2

(1) TCP/IP Channels, annually per channel

| <u>All States</u> | <u>Annual Rate</u> |
|---------------------------|--------------------|
| All billed channels, each | \$280.00 |

(B) Moves, per channel moved

| <u>All States</u> | <u>Nonrecurring Charge</u> |
|---|----------------------------|
| First 60% of quarterly move allowance | \$25.00 |
| Remaining 40% of quarterly move allowance | 45.00 |

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19. INTERCONNECTION BETWEEN COLLOCATED SPACES

For Special Access Services only, Non-Competitive End-User Channel Terminations (EUCTs) are filed as part of this tariff. Interconnection Between Collocated Spaces for other Special Access Services to complete the circuit are outside this tariff and can be accessed at the Company's website or Company's other designated location.

19.1 Dedicated Transit Service

Unless otherwise specified herein, general regulations contained in other sections of this tariff apply in addition to the regulations contained in this section.

(A) Description

The Company provides Dedicated Transit Service (DTS) which allows a collocating telecommunications carrier to interconnect its network with that of another collocating customer at the Company's premises and to connect its collocated equipment to the collocated equipment of another telecommunications carrier within the same Company premises pursuant to Section 251(C)(6) of the Communications Act of 1934, as amended. DTS is provided between the collocated arrangements (physical or virtual) of the same or of two different collocation customers in the same Company premises, using Company provided distribution facilities. DTS is available at DS0, DS1 and DS3 electrical and optical levels or using dark fiber, provided that the collocated equipment is also used for interconnection with the Company or for access to the Company's unbundled network elements. DTS is provided at the same transmission level from collocated customer to collocated customer.

DTS rates and charges for DS0, DS1, DS3 and dark fiber circuits are specified in Section 19.1(E). In addition, the Company will also provide other technically feasible cross connect arrangements, including lit fiber, on an Individual Case Basis (ICB) as requested by a collocating telecommunications carrier.

The DTS arrangement requires the requesting collocated customer to provide cable assignment information for itself as well as for the other collocated customer. The Company will not make cable assignments for DTS.

DTS also allows for one collocated customer to connect two of its virtual collocation arrangements in the same Company premises (virtual collocation cascading arrangement).

DTS installations are completed and maintained by the Company and is provided on a negotiated interval.

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19. INTERCONNECTION BETWEEN COLLOCATED SPACES (Cont'd)19.1 Dedicated Transit Service (Cont'd)(B) Responsibility of the Customer

The ordering collocator is responsible for all ordering, bill payment, disconnect orders and maintenance transactions and is the customer of record.

When initiating a DTS request, the requesting collocator must submit an ASR, and a letter of agency from the collocator's customer to which it is connecting authorizing the DTS connection and facility assignment.

The ordering collocator customer must submit to the Telephone Company written certification that more than ten percent (10%) of the amount of traffic to be transmitted through its DTS connection will be interstate. The Telephone Company will accept the certification unless the Federal Communications Commission grants a Section 208 complaint filed by the company that challenges the certification.

(C) Application of Rates and Charges

The application of rates and charges for cross-connection to a physical or virtual collocation arrangement are set forth in 7.2.1(F) for DS0, DS1 and DS3 DTS and in 19.2 for dark fiber DTS.

In addition to any applicable nonrecurring charge for the cross-connect, a DTS Service Order Charge and DTS Service Connection charges apply as set forth in (D) following.

(D) Rate Elements(1) DTS Service Order Charge

The DTS Service Order Charge is a nonrecurring charge which is applied to the collocator, per DTS order, which includes the costs for order placement and issuance provided by the Telephone Company.

(2) DTS Service Connection-Provisioning

This is a nonrecurring charge, applied to the collocator, per DTS order, which includes the circuit design and labor costs associated with the provisioning of DS0, DS1, DS3 and dark fiber circuits for DTS.

(3) DTS Service Connection-C.O. Wiring

This is a nonrecurring charge which is applied per DTS jumper to the requesting collocator for the recovery of DTS jumper material, wiring and service turn-up for DS0, DS1 and DS3 and dark fiber circuits.

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19. INTERCONNECTION BETWEEN COLLOCATED SPACES (Cont'd)19.1 Dedicated Transit Service (Cont'd)(E) Rates and Charges(1) Service Order Charge

Ordering Charge,
Per DS0, DS1, DS3
Or Dark Fiber Order

Missouri

\$21.89

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19. INTERCONNECTION BETWEEN COLLOCATED SPACES (Cont'd)19.1 Dedicated Transit Service (Cont'd)(E) Rates and Charges (Cont'd)(2) DTS Service Connection – Provisioning, Per Order

| | <u>DS0 Nonrecurring Charge</u> | <u>DS1, DS3, or Dark Fiber Nonrecurring Charge</u> |
|----------|------------------------------------|--|
| Missouri | \$55.57 | \$108.56 |

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19. INTERCONNECTION BETWEEN COLLOCATED SPACES (Cont'd)19.1 Dedicated Transit Service (Cont'd)(E) Rates and Charges (Cont'd)(3) DTS Service Connection – C.O. Wiring, Per Jumper

| | DS0 <u>Nonrecurring Charge</u> | DS1, DS3, and Dark Fiber <u>Nonrecurring Charge</u> |
|---------------------|-----------------------------------|---|
| <u>Jurisdiction</u> | | |
| Missouri | \$6.64 | \$16.02 |

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19. INTERCONNECTION BETWEEN COLLOCATED SPACES19.2 Dedicated Transit Service – Optical Facility Terminations(A) Description

Collocation customers requesting a DTS arrangement involving dark fiber cross-connects must apply for Optical Facility Terminations between the Telephone Company's fiber distribution panel (FDP) and the collocater's transmission equipment and facilities. Optical Facility Terminations are limited in use solely in conjunction with DTS. The following rate elements associated with Optical Facility Terminations are described in Section 19.2(D): Fiber Optic Patch Cord Pull-Engineering, Fiber Optic Patch Cord Pull, Fiber Optic Patch Cord Termination, Facility Termination-Fiber Optic Patch Cord Cable, Fiber Optic Patch Cord-24 Fiber (Connectorized) and Cable Rack Space-Fiber Optic Patch Cord. Optical Facility Termination rates are specified in Section 19.2(E).

(B) Responsibility of the Customer

In addition to the general regulations set forth under Section 19.1(B), customers requesting Optical Facility Terminations will be required to complete an Expanded Interconnection Service application form as described in Section 17.6.1(C) and 17.6.1(H) and submit a Minor Augment request as described in Section 17.5.6.

(C) Application of Rates and Charges

The applications of rates and charges for cross connection to physical or virtual collocation arrangements are set forth following.

(D) Rate Elements(1) Facility Termination-Fiber Optic Patch Cord Cable

The Facility Termination-Fiber Optic Patch Cord Cable charge is a monthly recurring charge applied per fiber terminated. This charge recovers the space and maintenance costs of the termination at the FDP.

(2) Cable Rack Space-Fiber Optic Patch Cord

The Cable Rack Space-Fiber Optic Patch Cord recovers the space utilization cost of the fiber optic patch cord within the Telephone Company's cable rack system. This is a monthly recurring charge.

(3) Fiber Optic Patch Cord Pull-Engineering

The Fiber Optic Patch Cord Pull-Engineering is a nonrecurring charge applied per Optical Facility Termination project to recover the engineering costs of pulling the fiber optic patch cord from the collocation space to the Telephone Company's FDP.

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19. INTERCONNECTION BETWEEN COLLOCATED SPACES (Cont'd)19.2 Dedicated Transit Service – Optical Facility Terminations (Cont'd)(D) Rate Elements (Cont'd)(4) Fiber Optic Patch Cord Pull

The Fiber Optic Patch Cord Pull is a nonrecurring charge applied per cable run and recovers the labor cost of pulling the fiber optic patch cord from the collocation space to the Telephone Company's FDP.

(5) Fiber Optic Patch Cord Termination

This is a nonrecurring charge applied per fiber termination and is designed to recover the labor cost of terminating the fiber optic patch cord from the collocation space to the FDP.

(6) Fiber Optic Patch Cord – 24 Fiber (Connectorized)

The collocator will be assessed this charge if it elects to have the Telephone Company purchase fiber optic patch cord cable(s) required for Optical Facility Terminations. This nonrecurring charge includes all costs associated with fiber optic patch cord material provided to the collocator.

When DTS is provided using lit fiber or other technically feasible cross-connection arrangements for which general tariff rates and charges do not already exist, the rates and charges for DTS will be developed on an Individual Case Basis.

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19. INTERCONNECTION BETWEEN COLLOCATED SPACES (Cont'd)19.2 Dedicated Transit Service – Optical Facility Terminations (Cont'd)(E) Rates and Charges(1) Facility Termination – Fiber Optic Patch Cord CableMonthly Charge,
Per ConnectorJurisdiction

Missouri

\$1.39

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19. INTERCONNECTION BETWEEN COLLOCATED SPACES (Cont'd)19.2 Dedicated Transit Service – Optical Facility Terminations (Cont'd)(E) Rates and Charges (Cont'd)(2) Cable Rack Space-Fiber Optic Patch CordMonthly Charge,
Per CableJurisdiction

Missouri

\$0.57

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19. INTERCONNECTION BETWEEN COLLOCATED SPACES (Cont'd)19.2 Dedicated Transit Service – Optical Facility Terminations (Cont'd)(E) Rates and Charges (Cont'd)(3) Fiber Optic Patch Cord Pull-EngineeringNonrecurring Charge,
Per ProjectJurisdiction

Missouri

\$101.81

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19. INTERCONNECTION BETWEEN COLLOCATED SPACES (Cont'd)19.2 Dedicated Transit Service – Optical Facility Terminations (Cont'd)(E) Rates and Charges (Cont'd)(4) Fiber Optic Patch Cord PullNonrecurring Charge,
Per Cable RunJurisdiction

Missouri

\$223.85

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19. INTERCONNECTION BETWEEN COLLOCATED SPACES (Cont'd)

19.2 Dedicated Transit Service – Optical Facility Terminations (Cont'd)

(E) Rates and Charges (Cont'd)

(5) Fiber Optic Patch Cord Termination

Nonrecurring Charge,
Per Termination

Jurisdiction

Missouri

\$1.21

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19. INTERCONNECTION BETWEEN COLLOCATED SPACES (Cont'd)19.2 Dedicated Transit Service – Optical Facility Terminations (Cont'd)(E) Rates and Charges (Cont'd)(6) Fiber Optic Patch Cord – 24 Fiber (Connectorized)Nonrecurring Charge,
Per CableJurisdiction

Missouri \$888.00

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