

ACCESS SERVICE

Regulations, Rates and Charges

applying to the provision of Access Services

within a Local Access and Transport Area (LATA) or

equivalent Market Area for connection to interstate

communications facilities for Interstate Customers within the

Brightspeed Operating territories of the Issuing Carriers

listed on Original Page 2.

The name, title and street address of this tariff's Issuing Officer are located on the bottom of the Title Page and Check Sheets. The title and street address of the Issuing Officer is located on the bottom of each page thereafter.

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

Brightspeed Local Operating Companies Tariff F.C.C. NO. 6 contains rates and regulations previously found in CenturyLink Operating Companies Tariff F.C.C. NO. 6.

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ISSUING CARRIERS

CenturyLink of Louisiana, LLC
CenturyTel of Adamsville, Inc.
CenturyTel of Arkansas, Inc.
CenturyTel of Central Arkansas, LLC
CenturyTel of Central Indiana, Inc.
CenturyTel of Claiborne, Inc.
CenturyTel of Fairwater-Brandon-Alto, LLC
CenturyTel of Forestville, LLC
CenturyTel of Lake Dallas, Inc.
CenturyTel of Larsen-Readfield, LLC
CenturyTel of Mountain Home, Inc.
CenturyTel of North Mississippi, Inc.
CenturyTel of Northern Michigan, Inc.
CenturyTel of Northern Wisconsin, LLC
CenturyTel of Northwest Arkansas, LLC (Russellville)
CenturyTel of Northwest Arkansas, LLC (Siloam Springs)
CenturyTel of Northwest Wisconsin, LLC
CenturyTel of Odon, Inc.
CenturyTel of Ooltewah-Collegedale, Inc.
CenturyTel of Port Aransas, Inc.
CenturyTel of Redfield, Inc.
CenturyTel of South Arkansas, Inc.
CenturyTel of Southern Wisconsin, LLC
CenturyTel of Upper Michigan, Inc.
CenturyTel of Midwest Wisconsin (Wayside)

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SERVICES SUBJECT TO FORBEARANCE

Effective March 13, 2015, the Commission granted a CenturyLink petition to forebear 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 to 3 and Pages 1 through 17-76 inclusive of this tariff are effective as of the date shown. Original and revised pages as named below and Supplement Nos. 1 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

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EXPLANATION OF SYMBOLS

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

EXPLANATION OF ABBREVIATIONS

ACR	-	Alternate Carrier Routing
ADA	-	Abbreviated Dialing Arrangement
ADM	-	Add/Drop Multiplexing
AIN	-	Advanced Intelligent Network
AML	-	Actual Measured Loss
ANI	-	Automatic Number Identification
AP	-	Program Audio
BHMC	-	Busy Hour Minutes of Capacity
CBR	-	Constant Bit Rate
CCS	-	Common Channel Signaling
CDP	-	Customer Designated Premises
CI	-	Channel Interface
CIR	-	Committed Information Rate
CNP	-	Charge Number Parameter
CO	-	Central Office
Cont'd	-	Continued
CPE	-	Customer Provided Equipment
CPN	-	Calling Party Number
CSP	-	Carrier Selection Parameter
DA	-	Directory Assistance
dB	-	decibel
dBrnC	-	Decibel Reference Noise C-Message Weighting
dBrnC0	-	Decibel Reference Noise C-Message Weighted O
dc	-	direct current
DDD	-	Direct Distance Dialing

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EXPLANATION OF ABBREVIATIONS (Cont'd)

EAS	-	Extended Area Service
EDD	-	Envelope Delay Distortion
EML	-	Expected Measured Loss
EPL	-	Echo Path Loss
ERL	-	Echo Return Loss
ESS	-	Electronic Switching System
ESSX	-	Electronic Switching System Exchange
f	-	frequency
F.C.C.	-	Federal Communications Commission
GETS	-	Government Emergency Telecommunications Service
HC	-	High Capacity
HPC	-	High Probability of Completion
Hz	-	Hertz
IC	-	Interexchange Carrier
ICB	-	Individual Case Basis
ICL	-	Inserted Connection Loss
ISDN BRI	-	Integrated Services Digital Network Basic Rate Interface
ISDN PRI	-	Integrated Services Digital Network Primary Rate Interface
kbps	-	kilobits per second
kHz	-	kilohertz
LAN	-	Local Area Network
LATA	-	Local Access and Transport Area
LNP	-	Local Number Portability
LRN	-	Location Routing Number
ma	-	milliamperes
Mbps	-	Megabits per second
mcs	-	Microsecond
MHz	-	Megahertz
MM-VCC	-	MultiMedia Virtual Circuit Channel
MRC	-	Monthly Recurring Charge
MTS	-	Message Telecommunications Service(s)
NNI	-	Network to Network Interface
NPA	-	Numbering Plan Area
NRC	-	Nonrecurring Charge
NXX	-	Three-Digit Central Office Prefix
PBX	-	Private Branch Exchange
PIC	-	Presubscribed Interexchange Carrier
POT	-	Point of Termination
PSTN	-	Public Switched Telephone Network
PVU	-	Percent VoIP Usage

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EXPLANATION OF ABBREVIATIONS (Cont'd)

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SAC	-	Service Access Code
SLC	-	Subscriber Line Charge
SNAL	-	Signaling Network Access Line
SP	-	Signaling Point
SPOI	-	Signaling Point of Interface
SRL	-	Singing Return Loss
SSP	-	Service Switching Point
SS7	-	Signaling System 7
STP	-	Signal Transfer Point
SWC	-	Serving Wire Center
TDM	-	Time Division Multiplexing
TLP	-	Transmission Level Point
UBR	-	Unspecified Bit Rate
UNI	-	User Network Interface
V & H	-	Vertical & Horizontal
VBR-nrt	-	Variable Bit Rate – non-real time
VBR-rt	-	Variable Bit Rate – real time
VCC	-	Virtual Circuit Channel
VG	-	Voice Grade
VoIP	-	Voice over Internet Protocol
VP	-	Virtual Path
WATS	-	Wide Area Telecommunications Service(s)
WSC	-	Wireless Switching Center
WSO	-	WATS Serving Office

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REFERENCE TO OTHER TARIFFS

Whenever reference is made in this tariff to other tariffs of the 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.

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.
Special Construction
Tariff F.C.C. NO. 6

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

REFERENCE TO TECHNICAL PUBLICATIONS

The following technical publications are referenced in this tariff and may be obtained from Telcordia Technologies Inc. (formerly Bell Communications Research, Inc. – Bellcore), Direct Sales, 8 Corporate Place, Piscataway, NJ 08854-4156 (www.telcordia.com).

Technical Reference:

PUB 41004 (MDP-326-584) Data Communications Using Voiceband
Private Line Channels
Issued: October 1973

PUB 62310 (MDP-326-726) Digital Data System Channel Interface
Specification
Issued: September 1983

TR-NPL-000258 Compatibility Information for Feature Group D
Switched Access Service
Issued: October 1985

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REFERENCE TO TECHNICAL PUBLICATIONS (Cont'd)

GR-334-CORE Issue 1 Switched Access Service:
Transmission Parameter Limits and Interface Combinations
Issued: June 1994

TR-NWT-000335, Issue 3 Voice Grade Special Access Service -
Transmission Parameter Limits and Interface Combinations
Issued: May 1993

GR-337-CORE, Issue 1 Program Audio Special Access Service and
Local Channel Services
Issued: December 1995

TR-NWT-000341 Digital Data Special Access Service - Transmission
Parameter Limits and Interface Combinations
Issued: Issue 2, February 1993

GR-342-CORE, Issue 1 High Capacity Digital Special Access Service
– Transmission Parameters Limits and Interface Combinations
Issued: December 1995

SR-307 Common Language NC/NCI Dictionary
Issued: Issue 6, July 2007

GR-506-CORE, Issue 2 Signaling for Analog Interfaces
(LSSGR)
Issued: December 2006

GR-54-CORE, Issue 1 DS1 High Capacity Digital Service
End User Metallic Interface Specifications
Issued: December 1995

GR-905-CORE, Issue 10 Common Channel Signaling Network Interface
Specification
Available: December 2007

GR-394-CORE Issue 7 Switching System Generic Requirements for
Interexchange Carrier Interconnection Using the Integrated
Services Digital Network User Part (ISDNUP)
Issued: December 2003

GR-2936-CORE Issue 3 Local Number Portability (LNP) Capability
Specification Service Provider Portability
Issued: November 1997

ST-TEC-000053 Telecommunications Transmission Engineering
Volume 3 - Networks and Services (Chapters 6 and 7)
Third Edition, 1980
Issued: August 1989

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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 National Exchange Carrier Association, Inc., Director - Access Tariffs, 80 So. Jefferson Road, Whippany, NJ 07981 and the Federal Communications Commission's commercial contractor.

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

The following publications are referenced in this tariff and may be obtained from the Government Printing Office, Superintendent of Documents, Document Control Branch, 941 N. Capital St., N.E., Washington, D.C. 20401.

Telecommunications Service Priority (TSP) System for National Security Emergency Preparedness (NSEP) Service Vendor Handbook, National Communications System (NCSH 3-1-2).

Issued: July 1990
Revised: December 2000

Telecommunication Service Priority (TSP) System for National Security Emergency Preparedness (NSEP) Service User Manual, National Communications System (NCSM 3-1-1).

Issued: July 1990
Revised: May 2000

The following publication is referenced in this tariff and may be obtained from Director-Sales Operations, Integrated Network Corporation, P.O. Box 6875, Bridgewater, NJ 08807.

Integrated Network Corporation
Document CB-INC-100
Available: June 1990

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

ANSI T1.102-1993, Digital Hierarchy - Electrical Interfaces.

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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 Institute of Electrical and Electronics Engineers, Inc. (IEEE), 445 Hoes Lane, Piscataway, NJ 08854-4141 (www.ieee.org).

IEEE Std. 802.3 - 2005, Information Technology – Telecommunications and Information Exchange Between Systems – Local and Metropolitan Area Networks – Specific Requirements, Part 3: Carrier Sense Multiple Access with Collision Detection (CSMA/CD) Access Method and Physical Layer Specifications, Sections 1 through 5.

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

Multiple Exchange Carrier Access Billing (MECAB) Guidelines
Issued: December 2006

Multiple Exchange Carrier Ordering and Design (MECOD) Guidelines
Issued: November 2006

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
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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, Switched Access Service, Special Access End User Channel Termination (EUCTs) in non-competitive areas, and other miscellaneous services hereinafter referred to collectively as service(s). These services are provided to customers by the Issuing Carriers of this tariff, hereinafter the Telephone Company or Company. This tariff also contains Access Ordering regulations and charges that are applicable when these services are ordered or modified by the customer.

The Special Access Service regulations, rates and charges located in this tariff are for Special Access EUCT 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 3 and 17 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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2. General Regulations

For Special Access General Regulations 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 Telephone Company2.1.1 Scope

- (A) The Telephone Company does not undertake to transmit messages under this tariff.
- (B) The Telephone Company shall be responsible only for the installation, operation and maintenance of the services it provides.
- (C) The Telephone Company will, for maintenance purposes, test its service 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 Telephone Company does not warrant that its facilities and services meet standards other than those set forth in this tariff.

2.1.2 Limitations(A) Assignment or Transfer of Services

The customer may assign or transfer the use of services provided under this tariff only where there is no interruption of use or relocation of the services. Such assignment or transfer may be made to:

- (1) another customer, whether an individual, partnership, association or corporation, provided the assignee or transferee assumes all outstanding indebtedness for such services, and the unexpired portion of the minimum period and the termination liability applicable to such services, if any; or
- (2) a court-appointed receiver, trustee or other person acting pursuant to law in bankruptcy, receivership, reorganization, insolvency, liquidation or other similar proceedings, provided the assignee or transferee assumes the unexpired portion of the minimum period and the termination liability applicable to such services, if any.

In all cases of assignment or transfer, the written acknowledgement of the Company is required prior to such assignment or transfer. This acknowledgement shall be made within 15 days from the receipt of notification. All regulations and conditions contained in this tariff shall apply to such assignee or transferee.

The assignment or transfer of services does not relieve or discharge the assignor or transferor from remaining jointly or severally liable with the assignee or transferee for any obligations existing at the time of the assignment or transfer.

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2. General Regulations (Cont'd)2.1 Undertaking of the Telephone Company (Cont'd)2.1.2 Limitations (Cont'd)(B) Use and Restoration of Services

The use and restoration of services shall be in accordance with Part 64, Subpart D, Appendix A, of the Federal Communications Commission's Rules and Regulations, which specifies the priority system for such activities.

(C) Sequence of Provisioning

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.

The first-come, first-served sequence shall be based upon the received time and date recorded, by stamp or other notation, by the Telephone Company on customer access orders. These orders must contain all the information as required for each respective service as delineated in other sections of this tariff. Customer orders shall not be deemed to have been received until such information is provided. Should questions arise which preclude order issuance due to missing information or the need for clarification, the Telephone Company will attempt to seek such missing information or clarification on a verbal basis.

2.1.3 Liability(A) Limits of Liability

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, termination, maintenance, repair or restoration of service, and subject to the provisions of (B) through (G) 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.

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

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) Damages to Customer Premises

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) Indemnification of Telephone Company(1) By the End User

The Telephone Company shall be indemnified, defended and held harmless by the end user against any claim, loss or damage arising from the end user's use of services offered under this tariff, involving:

- (a) Claims for libel, slander, invasion of privacy, or infringement of copyright arising from the end user's own communications;
- (b) Claims for patent infringement arising from the end user's acts combining or using the service furnished by the Telephone Company in connection with facilities or equipment furnished by the end users or customer; or
- (c) All other claims arising out of any act or omission of the end user in the course of using services provided pursuant to this tariff.

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

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:

- (a) Claims for libel, slander, invasion of privacy, or infringement of copyright arising from the customer's own communications;
- (b) 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 end user or customer; or
- (c) 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) Explosive Atmospheres

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 Granted

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. The Telephone Company will defend the customer against claims of patent infringement arising solely from the use by the customer of services offered under this tariff and will indemnify such customer for any damages awarded based solely on such claims.

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2. General Regulations (Cont'd)2.1 Undertaking of the Telephone Company (Cont'd)2.1.3 Liability (Cont'd)(G) Circumstances Beyond the Telephone Company's Control

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.

2.1.4 Provision of Services

The Telephone Company will provide to the customer, upon reasonable notice, services offered in other applicable sections of this tariff at rates and charges specified therein. Services will be made available 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.

2.1.5 Facility Terminations

The services provided under this tariff will include any entrance cable or drop wiring and wire or intrabuilding cable to that point where provision is made for termination of the Telephone Company's outside distribution network facilities at a suitable location inside a customer-designated premises. Such wiring or cable will be installed by the Telephone Company to the Point of Termination. Moves of the Point of Termination at the customer designated premises will be as set forth in 6.4.4 and 7.2.3 following.

2.1.6 Service Maintenance

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.

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2. General Regulations (Cont'd)2.1 Undertaking of the Telephone Company (Cont'd)2.1.7 Changes and Substitutions

Except as provided for equipment and systems subject to 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, substitute, change or rearrange any facilities used in providing service under this tariff. Such actions may include, without limitation:

- substitution of different metallic facilities,
- substitution of carrier or derived facilities for metallic facilities used to provide other than metallic facilities,
- substitution of metallic facilities for carrier or derived facilities used to provide other than metallic facilities,
- substitution of fiber or optical facilities,
- change of minimum protection criteria,
- change of operating or maintenance characteristics of facilities, or
- change of 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 Section 15 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) If a customer fails to comply with 2.1.6 preceding (Service Maintenance) or Sections 2.3.1, 2.3.4, 2.3.6, 2.3.11, 2.4.1 or 2.5, following (respectively, Damages, Availability for Testing, Balance, Jurisdictional Report and Certification Requirements, Payment of Rates, Charges or Deposits; or Connections), including any customer's failure to make payments on the date and times therein specified, the Telephone Company may, on thirty (30) calendar 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, take the following actions:

- refuse additional applications for service and/or refuse to complete any pending orders for service, and/or
- discontinue the provision of service to the customer.

In the case of discontinuance all applicable charges, including termination charges, shall become due.

(B) In addition to and not in limitation of the provisions in (A), above, if a customer fails to comply with Section 2.4.1, following (Payment of Rates, Charges and Deposits), including any payments to be made by it on the dates and times therein specified, the Telephone Company may take the actions specified in (A), above, with regard to services provided hereunder to that customer on fifteen (15) calendar days written notice to the person designated by that customer to receive such notices of noncompliance, such notice period to start the day after the notice is sent by mail or by email if the customer is billed electronically or consents to receiving electronic notification, if the customer has not complied with respect to amounts due in a subject bill on subject deposit request and either:

- (1) the Telephone Company has sent the subject bill to the customer within seven (7) business days of the bill date; or
- (2) the Telephone Company has sent the subject bill to the customer more than thirty (30) calendar days before notice under this section is given; or
- (3) the Telephone Company has sent the subject deposit request to the customer more than fifteen (15) business days before notice under this section is given.

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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) (Cont'd)

In all other cases, the Telephone Company will give thirty (30) calendar days written notice pursuant to (A), above. The Telephone Company will maintain records sufficient to validate the date upon which a bill or deposit request was sent to the customer. Action specified in (A), above, will not be taken with regard to the subject bill or subject deposit request if the customer cures the noncompliance prior to the expiration of the fifteen (15) or thirty (30) days notice period, as applicable.

(C) Reserved for Future Use

(D) The provisions in (A) and (B), above, shall not apply to charges that a customer does not pay based on the submission of a good faith dispute pursuant to Section 2.4.1(D), following (Billing Disputes).

(E) If a customer fails to comply with 2.2.2, following (Unlawful and Abusive Use), the Telephone Company may, upon written request from a customer, or another exchange carrier, terminate service to any subscriber or customer identified as having utilized service provided under this tariff in the completion of abusive or unlawful telephone calls. Service shall be terminated by the Telephone Company as provided for in its general and/or local exchange service tariffs.

In such instances when termination occurs the Telephone Company shall be indemnified, defended and held harmless by any customer or Exchange Carrier requesting termination of service against any claim, loss or damage arising from the Telephone Company's actions in terminating such service, unless caused by the Telephone Company's negligence.

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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)

- (F) Except as provided for equipment or systems subject to the FCC Part 68 Rules in 47 C.F.R. Section 68.108, if the customer fails to comply with 2.2.1 following (Interference or Impairment), 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, the Telephone Company may temporarily discontinue service forthwith if such action is reasonable in the circumstances. In case of such temporary discontinuance, the customer will be notified promptly 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.
- (G) 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.
- (H) If the Telephone Company does not refuse additional applications for service and/or does not discontinue the provision of the services as specified for herein, and the customer's noncompliance continues, nothing contained herein shall preclude the Telephone Company's right to refuse additional applications for service and/or to discontinue the provision of the services 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)2.1.9 Notification of Service-Affecting Activities

The Telephone Company will provide the customer reasonable notification of service-affecting activities that may occur in the normal operation of its business. Such activities may include, but are not limited to the following:

- 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, but may affect many customer services. No specific advance notification period is applicable to all service activities. The Telephone Company will work cooperatively with the customer to determine reasonable notification requirements.

2.1.10 Coordination with Respect to Network Contingencies

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

2.1.11 Provision and Ownership of Telephone Numbers

The Telephone Company reserves the reasonable right to assign, designate or change telephone numbers, any other call number designations associated with Access Services, or the Telephone 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 Telephone Company will furnish to the customer six (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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2. General Regulations (Cont'd)2.2 Use2.2.1 Interference or Impairment

The characteristics and methods of operation of any circuits, facilities or equipment provided by other than the Telephone Company and associated with the facilities utilized to provide services under this tariff shall not:

- interfere with or impair service over any facilities of the 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.

2.2.2 Unlawful and Abusive Use

- (A) The service provided under this tariff shall not be used for an unlawful purpose or used in an abusive manner.

Abusive use includes:

- (1) The use of the service of the Telephone Company for a call or calls, anonymous or otherwise, in a manner reasonably expected to frighten, abuse, torment, or harass another;
- (2) The use of the service in such a manner as to interfere unreasonably with the use of the service by one or more other customers.

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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. The equipment shall be returned in as good condition as reasonable wear will permit.

2.3.3 Equipment Space and Power

The customer shall furnish or arrange to have furnished to the 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 facilities used to provide services.

2.3.4 Availability for Testing

Access to facilities used to provide services 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. As set forth in 2.4.4(C)(4) following, no credit will be allowed for any interruptions involved during such tests and adjustments.

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2. General Regulations (Cont'd)2.3 Obligations of the Customer (Cont'd)2.3.5 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. In the case of application of dc telegraph signaling systems, the customer shall be responsible, at its expense, for the provision of current limiting devices to protect the Telephone Company facilities from excessive current due to abnormal conditions and for the provision of noise mitigation networks when required to reduce excessive noise.

2.3.6 Balance

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

2.3.7 Design of Customer Services

Subject to the provisions of 2.1.7 preceding (Changes and Substitutions), 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.

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2. General Regulations (Cont'd)2.3 Obligations of the Customer (Cont'd)2.3.8 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.

2.3.9 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.
- (B) The customer shall defend, indemnify and save harmless the Telephone Company from and against any suits, claims, losses and 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, Worker'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 tortious conduct of the customer, its officers, agents or employees.

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2. General Regulations (Cont'd)2.3 Obligations of the Customer (Cont'd)2.3.9 Claims and Demands for Damages (Cont'd)

- (C) The customer shall defend, indemnify and save harmless the Company from and against any suits, claims, losses or damages, including punitive damages, attorney fees and court costs by the customer or third parties arising out of any act of omission of the customer in the course of using services provided under this tariff.

2.3.10 Coordination with Respect to Network Contingencies

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

2.3.11 Jurisdictional Report and Certification Requirements(A) Certification Requirements - Special Access Service

When the customer orders Special Access Service and the customer certifies to the Company in writing that more than ten percent of the traffic is interstate, the service is considered to be interstate and is provided under this Tariff.

Following initial certification, should the jurisdictional nature of the customer's Special Access Services change, the customer should inform the Company in writing of the change. The effective date of the change will be the date the Company receives the customer's notice of change. No charge applies for the jurisdictional change.

(B) Disputes Involving Jurisdictional Certification - Special Access Service

If a dispute arises concerning the certification of projected interstate traffic as described in (A) above, the Company will ask the customer to provide the data the customer used to determine that more than 10% of the traffic is interstate. The customer shall supply the data within thirty (30) days of the Company request. If the reply results in a jurisdictional change of a Special Access Service, the effective date of the change will be the date the Company receives the customer's reply. There is no charge when the customer's reply results in a jurisdictional change in the Special Access Service.

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2. General Regulations (Cont'd)2.3 Obligations of the Customer (Cont'd)2.3.11 Jurisdictional Report and Certification Requirements (Cont'd)(C) Jurisdictional Reports - Switched Access

For Switched Access Service, the Telephone Company cannot in all cases determine the jurisdictional nature of customer traffic and its related access minutes. In such cases the customer may be called upon to provide a projected estimate of its traffic, split between the interstate and intrastate jurisdictions. For purposes of determining the jurisdiction of Switched Access Services, the regulations set forth in (1) through (4), below, apply.

(1) Percentage of Interstate Use (PIU)

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

For purposes of developing the projected interstate percentage for Feature Group A or Feature Group B, pursuant to Federal Communications Commission Order FCC 85-145 released April 16, 1985, interstate usage is to be developed as though every call that enters a customer network at a point within the same state as that in which the called station (as designated by the called station telephone number) is situated is an intrastate communication and every call for which the point of entry is a state other than that where the called station (as designated by the called station telephone number) is situated, is an interstate communication.

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2. General Regulations (Cont'd)2.3 Obligations of the Customer (Cont'd)2.3.11 Jurisdictional Report and Certification Requirements (Cont'd)(C) Jurisdictional Reports - Switched Access (Cont'd)(1) Percentage of Interstate Use (PIU) (Cont'd)

- (b) When the Telephone Company receives sufficient call detail to permit it to determine the jurisdiction of some or all originating and terminating access minutes of use, the Telephone Company will use that call detail to render bills for those minutes of use and will not use PIU factors(s) described in (2), below, to determine the jurisdiction of those minutes of use.

When the Telephone Company receives insufficient call detail to determine the jurisdiction of some or all originating and terminating access minutes of use, the Telephone Company will apply the PIU factor(s) provided by the customer or developed by the Telephone Company as set forth in (2), below, only to those minutes of use for which the Telephone Company does not have sufficient call detail. Such PIU factor(s) will be used until the customer provides an update to its PIU factor(s) as set forth in (2) (g) or (h), below.

For all flat rated Switched Access Services, the Telephone Company will apply the PIU factor(s) as provided by the customer or developed by the Telephone Company as set forth in (2), below, each month until the customer provides an update to its PIU factor(s) as described in (2) (g) or (h), below.

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2. General Regulations (Cont'd)2.3 Obligations of the Customer (Cont'd)2.3.11 Jurisdictional Report and Certification Requirements (Cont'd)(C) Jurisdictional Reports - Switched Access (Cont'd)(2) Use of PIU Factors

- (a) As specified in Section 5.2.1, following, the customer will provide a projected PIU for each Switched Access Service for each end office when placing its order. Such PIU factors are applied to all usage rated elements (including but not limited to Information Surcharge, Local Switching, and Tandem Switched Transport), where the Telephone Company does not receive sufficient call detail to determine the jurisdiction of the usage.

If the customer fails to provide a PIU factor on its order for service, the following provisions apply. For originating access minutes, when the call detail is adequate to determine the appropriate jurisdiction and when the Feature Group C or Feature Group D access minutes of use are measured, the Telephone Company will develop PIU factor(s) on a monthly basis by end office by dividing the customer's measured interstate originating access minutes (the access minutes where the calling party is in one state and the called party is in another state) by the customer's total originating access minutes. For terminating access minutes, the same data used by the Telephone Company to develop the PIU factor for originating access minutes will be used to develop the PIU factor for such terminating access minutes.

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2. General Regulations (Cont'd)2.3 Obligations of the Customer (Cont'd)2.3.11 Jurisdictional Report and Certification Requirements (Cont'd)(C) Jurisdictional Reports - Switched Access (Cont'd)(2) Use of PIU Factors (Cont'd)

The Telephone Company developed PIU factor(s) described in this section will only be used for minutes of use for which the Telephone Company does not have sufficient call detail to determine the jurisdiction until such time as the customer provides updated PIU factor(s) for these services.

- (b) Separate PIUs are required for flat rated Entrance Facilities, Direct Trunked Transport Facilities, and Switched Access Services Optional Features and Functions. The PIU factor(s) for use with such flat rated elements will reflect the combination of originating and terminating traffic of all services using such facilities.

If the customer fails to provide a PIU factor on its order for service, the Telephone Company will apply the PIU factor it developed pursuant to (2)(a), above, against the customer's flat rated Switched Access Services to apportion those changes between the jurisdictions.

- (c) When a customer orders Feature Group A or Feature Group B Switched Access Service, the customer shall, in its order, state the projected percentage for interstate usage for each Feature Group A or Feature Group B Switched Access Service group ordered. The term group shall be construed to mean single lines or trunks as well. For all groups the number of access minutes (either measured or assumed) for a group will be multiplied by the projected interstate percentage to develop the interstate access minutes. The number of access minutes for the group minus the developed interstate access minutes for the group will be developed intrastate access minutes.
- (d) When a customer orders Directory Assistance Service, the customer shall, in its order, provide the projected interstate percentage for terminating use.

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2. General Regulations (Cont'd)2.3 Obligations of the Customer (Cont'd)2.3.11 Jurisdictional Report and Certification Requirements (Cont'd)(C) Jurisdictional Reports - Switched Access (Cont'd)(2) Use of PIU Factors (Cont'd)

- (e) When the customer has both interstate and intrastate Operator Services traffic, the percentage interstate usage determined for the customer's FGC or FGD service will be applied to the customer's Operator Services charges.
- (f) For each service, the customer may only provide a PIU factor that is in a whole number format, i.e., a number from 0 to 100. When the customer provides the PIU factor, the Telephone Company will subtract the provided PIU from 100 and the difference is the percent intrastate usage. The sum of the interstate and intrastate percentages will equal 100 percent. The customer provided factors will be used by the Telephone Company as described in (1)(b), above, until the customer provides updated PIU factors as required in (2)(g) or (h), below.
- (g) When the customer adds or discontinues Busy Hour Minutes of Capacity (BHMC), lines or trunks to an existing Switched Access Service group, the customer shall furnish a revised projected interstate percentage for the remaining BHMC, lines or trunks in the end office group. The revised report will serve as the basis for future billing, where applicable, and will be effective on the next bill date. No prorating or back billing will be done based on such revised report.

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2. General Regulations (Cont'd)2.3 Obligations of the Customer (Cont'd)2.3.11 Jurisdictional Report and Certification Requirements (Cont'd)(C) Jurisdictional Reports - Switched Access (Cont'd)(2) Use of PIU Factors (Cont'd)

- (h) Effective on the first of January, April, July and October of each year, the customer shall update its interstate and intrastate jurisdictional report. The customer shall forward to the Telephone Company, to be received no later than fifteen (15) days after the first of each such month, a revised report showing the interstate and intrastate percentage of use for the past three months ending the last day of December, March, June and September, respectively, for each service arranged for interstate use. Such revised report will serve as the basis for the next three month's billing for determining the jurisdiction for Switched Access Services in cases where the Telephone Company does not have sufficient call detail to do so and will be effective on the bill date for that service. No prorating or back billing will be done based on the revised report.

If the customer does not supply the revised reports, the Telephone Company will assume the percentages to be the same as those provided in the last quarterly report. For those cases in which a quarterly report has never been received from the customer, the Telephone Company will assume the percentages to be the same as those provided in the customer's order for service or as developed by the Telephone Company as specified in (2)(a), above.

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2. General Regulations (Cont'd)2.3 Obligations of the Customer (Cont'd)2.3.11 Jurisdictional Report and Certification Requirements (Cont'd)(C) Jurisdictional Reports - Switched Access (Cont'd)(3) Maintenance of Customer Records

- (a) The customer shall retain for a minimum of six (6) months call detail records that substantiate the interstate percent provided to the Telephone Company as set forth in (2), above, for Switched Access Services. Such records shall consist of (i) and (ii), below, if applicable.
 - (i) All call detail records such as work papers and/or backup documentation including paper or any other form of records for billed customer traffic, call information including call terminating address (i.e., called number), the call duration, all originating and terminating trunk groups or access lines over which the call is routed, and the point at which the call enters the customer's network and;
 - (ii) If the customer has a mechanized system in place that calculated the PIU, then a description of that system and the methodology used to calculate the PIU must be furnished and any other pertinent information (such as but not limited to flowcharts, source code, etc.) relating to such system must also be made available.

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2. General Regulations (Cont'd)2.3 Obligations of the Customer (Cont'd)2.3.11 Jurisdictional Report and Certification Requirements (Cont'd)(C) Jurisdictional Reports - Switched Access (Cont'd)(4) Disputes Involving Jurisdictional Reports – Switched Access

- (a) If a billing dispute arises or if a regulatory commission questions the projected PIU factor(s) provided by the customer, the Telephone Company may, by written request, require the customer to provide the data the customer used to determine the projected PIU factor(s). This written request will be considered the initiation of the audit. The customer shall supply the data to an independent auditor or the Telephone Company within thirty (30) days of the Telephone Company request. The customer shall keep records of call detail from which the percentage of interstate and intrastate use can be ascertained as set forth in (3), above, and upon request of the Telephone Company make the records available for inspection at an agreed upon location during normal business hours as reasonably necessary for purposes of verification of the percentages. The Telephone Company will audit data from one quarter unless a longer period is requested by the customer and agreed to by the Telephone Company.
- (b) If the customer does not provide the requested data to the Telephone Company or independent auditor within thirty (30) days of the notice of audit, the customer will be in violation of the Tariff and subject to the provisions specified in Section 2.1.8(A), preceding.

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2. General Regulations (Cont'd)2.3 Obligations of the Customer (Cont'd)2.3.11 Jurisdictional Report and Certification Requirements (Cont'd)(C) Jurisdictional Reports - Switched Access (Cont'd)(4) Disputes Involving Jurisdictional Reports – Switched Access
(Cont'd)

(c) Audits may be conducted by: (1) the Telephone Company when the customer agrees; (2) an independent auditor under contract to the Telephone Company; (3) a mutually agreed upon independent auditor paid for equally by the customer and the Telephone Company; or (4) an independent auditor selected and paid for by the customer. If the customer selects option (4), where it pays for its own independent audit, the selected auditor must certify that the audit was performed following Commission procedures for measuring interstate traffic as established by Commission Order, and provide the Telephone Company a report with supporting documentation to verify such procedures.

(d) Verification audits may be conducted no more frequently than once per year except in extreme circumstances. The Telephone Company and customer will attempt to limit the audit to a reasonable time to effectively complete the audit. The Telephone Company and customer shall respond promptly to requests generated during the audit to ensure timely completion of the audit.

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2. General Regulations (Cont'd)2.3 Obligations of the Customer (Cont'd)2.3.11 Jurisdictional Report and Certification Requirements (Cont'd)(C) Jurisdictional Reports - Switched Access (Cont'd)(4) Disputes Involving Jurisdictional Reports – Switched Access
(Cont'd)

- (e) When a PIU audit is conducted by the Telephone Company or an independent auditor under contract to the Telephone Company, the audit results will be furnished to the customer by Certified U.S. Mail. When a PIU audit is conducted by an independent auditor selected by the customer, the audit results will be furnished to the Telephone Company by Certified U.S. Mail. The Telephone Company will adjust the customer's PIU based upon the audit results. The PIU resulting from the audit shall be applied to the customer's usage for the quarter the audit is completed, the usage for the quarter prior to the completion of the audit, and the usage for the two (2) quarters following the completion of the audit. After that time, the customer may report revised PIU pursuant to (2)(g) or (h), above. If the revised PIU submitted by the customer represents a deviation of 5 percentages points or more from the audited PIU, and that deviation is not due to identifiable reasons, the provisions in (4)(a), above, may be applied.
- (f) Both credit and debit adjustments will be made to the customer's interstate access charges based on the audit results for the specified periods to accurately reflect the interstate usage for the customer's account consistent with Section 2.4.1, following.

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2. General Regulations (Cont'd)2.3 Obligations of the Customer (Cont'd)2.3.11 Jurisdictional Report and Certification Requirements (Cont'd)(C) Jurisdictional Reports - Switched Access (Cont'd)(4) Disputes Involving Jurisdictional Reports – Switched Access
(Cont'd)

- (g) If, as a result of an audit conducted by an independent auditor, a customer is found to have over-stated its PIU(s) by 20 percentage points or more, the Telephone Company shall require reimbursement from the customer for the cost of the audit. Such bill(s) shall be due and paid in immediately available funds within 30 days from receipt and shall carry a late payment penalty as set forth in Section 2.4.1, following, if not paid within the 30 days.

2.3.12 Determination of Interstate Charges for Mixed Interstate and Intrastate Switched Access Service

When mixed interstate and intrastate Switched Access Service is provided, all charges (i.e., nonrecurring, monthly and/or usage) including optional features charges, will be prorated between interstate and intrastate. The PIU factor(s) provided by the customer or developed by the Telephone Company as set forth in Section 2.3.11(C)(2), preceding, will serve as the basis for prorating the charges unless the Telephone Company is billing according to sufficient call details as set forth in Section 2.3.11(C)(1)(b), preceding. The percentage of a Switched Access Service to be charged as interstate is applied in the following manner:

(A) Monthly and Nonrecurring Charges

For monthly and nonrecurring chargeable rate elements, multiply the percent interstate use times the quantity of chargeable elements times the stated tariff rate per element.

(B) Usage Sensitive Charges

For usage sensitive (i.e., access minutes and calls) chargeable rate elements, multiply the percent interstate use times actual use (i.e., measured or Telephone Company assumed average use) times the stated tariff rate.

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2. General Regulations (Cont'd)2.3 Obligations of the Customer (Cont'd)2.3.13 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 2.3.13.(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 2.3.13.(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)2.3.13 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 17 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)2.3.13 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.

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2. General Regulations (Cont'd)2.3 Obligations of the Customer (Cont'd)2.3.13 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)

2.3.13 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.

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2. General Regulations (Cont'd)2.3 Obligations of the Customer (Cont'd)2.3.13 Identification and Rating of VoIP-PSTN Traffic (Cont'd)(F) PVU Factor Verification (Cont'd)

- (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.
- (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 only require a customer that has a proven history of late payments to the Telephone Company or that does not have established credit, to make a deposit as a guarantee of the payment of rates and charges. Such deposit may be required prior to establishing a service or at any time after the provision of a service to the customer.

For purposes of this section, a proven history of late payments is defined as two (2) or more occasions within the preceding twelve (12) months in which payment for undisputed charges was not received within three (3) business days following the payment due date, provided the outstanding undisputed amount of each such individual unpaid bill represented at least ten (10) percent of the total charges on that individual bill. The Telephone Company will provide notice via overnight delivery to the person designated by the customer to receive such notice of the requirement to pay a deposit. The customer will be required to make payment of such deposit prior to the provision of service in those cases where the customer has not established credit with the Telephone Company, or otherwise within fifteen (15) business days of such notice. Such notice period will start the day after the notice is sent by overnight delivery.

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. For new service(s) being established, such deposit will not exceed the estimated rates and charges for a two-month period. For existing service(s), such deposit will not exceed the actual rates and charges for a two (2) month period associated with each individual bill that met the criteria for late payments specified above. 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.

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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 (Cont'd)

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)(2)(a) or in (C)(2)(b) following, 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.

(B) Bill Dates

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 service under this tariff), the period of service each bill covers and the payment date will be as follows:

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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) Bill Dates (Cont'd)(1) End User Access Service, Federal Universal Service Charge, ISDN Line Ports, DS1 Line Port and Presubscription

For End User Access Service, Federal Universal Service Charge, ISDN Line Ports, DS1 Line Port and Presubscription Service, the Company will establish a bill day each month for each end user account or advise the customer in writing of an alternate billing schedule. Alternate billing schedules shall not be established on less than 60 days' notice or initiated by the Company more than twice in any consecutive 12 month period. The bill will cover End User Access Service, Federal Universal Service Charge, ISDN Line Ports, DS1 Line Port charges for the ensuing billing period except for End User Access Service, Federal Universal Service Charge, ISDN Line Ports, DS1 Line Port for the Federal Government which will be billed in arrears. Any applicable PIC Change Charges, any known unbilled charges for prior periods and any known unbilled adjustments for prior periods for End User Access Service, Federal Universal Service Charge, ISDN Line Ports, DS1 Line Port and Presubscription Service will be applied to this bill. Such bills are due when rendered.

(2) Access Services Other Than End User, Federal Universal Service Charge, ISDN Line Ports, DS1 Line Port and Presubscription

For Service other than End User Access Service, Federal Universal Service Charge, ISDN Line Ports, DS1 Line Port and Presubscription Service, the Company will establish a bill day each month for each customer account or advise the customer in writing of an alternate billing schedule. Alternate billing schedules shall not be established on less than 60 days' notice or initiated by the Company more than twice in any consecutive 12 month period.

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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) Bill Dates (Cont'd)(2) Access Services Other Than End User, Federal Universal Service Charge, ISDN Line Ports, DS1 Line Port and Presubscription (Cont'd)

The bill will cover nonusage sensitive service charges for the ensuing billing period for which the bill is rendered, any known unbilled nonusage 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 any known unbilled adjustments will be applied to this bill. Payment for such bills is due in immediately available funds by the payment date, as set forth in (C) following. If payment is not received by the payment date, a late payment penalty will apply as set forth in (C) following.

(C) Payment Dates and Late Payment Penalties

- (1) All bills dated as set forth in (B) (2) preceding for service, other than End User Service, Federal Universal Service Charge, ISDN Line Ports, DS1 Line Port and Presubscription Service, provided to the customer by the Company are due 31 days (payment date) after the bill day 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 the customer does not receive a bill at least 20 days prior to the 31 day payment due date, then the bill shall be considered delayed. When the bill has been delayed, upon request of the customer the due date will be extended by the number of days the bill was delayed. Such request of the customer must be accompanied with proof of late bill receipt.

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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)(C) Payment Dates and Late Payment Penalties (Cont'd)

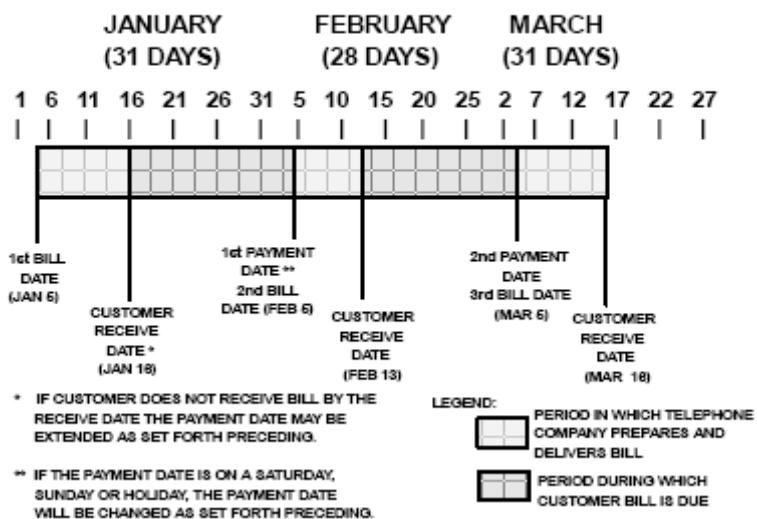
(1) (Cont'd)

If such payment date would cause payment to be due on a Saturday, Sunday or Legal Holiday, payment for such bills will be due from the customer as follows:

If the payment date falls on a Sunday or on a Legal Holiday which is observed on a Monday, the payment date shall be the first non-Holiday day following such Sunday or Legal Holiday.

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

EXAMPLE: CALCULATION OF PAYMENT DATES



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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)(C) Payment Dates and Late Payment Penalties (Cont'd)

(2) Further, if no payment is received by the payment date or if a payment or any portion of a payment is received by the Telephone Company after the payment date as set forth in (1) preceding, or if a payment or any portion of a payment is received by the Telephone Company in funds which are not immediately available to the Telephone Company, then a late payment penalty shall be due to the Telephone Company. The late payment penalty shall be the payment or 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 Telephone 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 Telephone Company.

(D) Billing Disputes

- (1) A good faith dispute requires the customer to provide a written claim to the Telephone Company. Instructions for submitting a dispute can be obtained by calling the billing inquiry number shown on the customer's bill, or, when available, by accessing such information on the Telephone Company's website also shown on the customer's bill. Such claim must identify in detail the basis for the dispute, and if the customer withholds the disputed amounts, it must identify the account number under which the bill has been rendered, the date of the bill, and the specific items on the bill being disputed to permit the Telephone Company to investigate the merits of the dispute.
- (2) The date of the dispute shall be the date on which the customer furnishes the Telephone Company the account information required in (D)(1), above.

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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)

- (3) The date of resolution is the date the Telephone Company completes its investigation, provides written notice to the customer regarding the disposition of the claim, i.e., resolved in favor of the customer or resolved in favor of the Telephone Company, and credits the customer's account, if applicable.
- (4) In the event that a billing dispute concerning any charges billed to the customer by the Telephone Company is resolved in favor of the Telephone Company, any payments withheld pending settlement of the dispute shall be subject to the late payment penalty set forth in (C)(2), above.
- (5) If the customer pays the bill in full by the payment due date, and later initiates a billing dispute within ninety (90) days of the payment due date, penalty interest may be applicable.
 - (a) If the billing dispute is resolved in favor of the customer, the customer shall receive a credit from the Telephone Company. This credit will be an amount equal to the disputed amount resolved in the customer's favor times a penalty factor. This amount will apply from the date of the customer's payment through the date on which the customer receives the disputed amount credit from the Telephone Company. The penalty factor shall be the lesser of:
 - (i) 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 first date to and including the last date of the period involved, or
 - (ii) 0.000407 per day, compounded daily for the number of days from the first date to and including the last date of the period involved.
 - (b) If the dispute is resolved in favor of the Telephone Company, neither a late payment charge nor a penalty interest charge is applicable.

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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)

(6) If the customer pays the bill in full by the payment due date, and later initiates a billing dispute after (90) days of the payment due date, penalty interest may be applicable.

(a) If the billing dispute is resolved in favor of the customer, the customer shall receive a credit from the Telephone Company. This credit will be an amount equal to the disputed amount resolved in the customer's favor times a penalty factor. This amount will apply from the date of the dispute through the date on which the customer receives the disputed amount credit from the Telephone Company. The penalty factor shall be the lesser of:

(i) 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 first date to and including the last date of the period involved, or

(ii) 0.000407 per day, compounded daily for the number of days from the first date to and including the last date of the period involved.

(b) If the dispute is resolved in favor of the Telephone Company, neither a late payment charge nor a penalty interest charge is applicable.

(E) Proration of Charges

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 based on a 30 day month. The Telephone Company will, upon request, furnish within 30 days of a request and at no charge to the customer such detailed information as may reasonably be required for verification of any bill.

(F) Rounding of Charges

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).

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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 and for which rates and charges are applicable is one month except for the following, or as otherwise specified:

- Switched Access Service usage rated services
- Directory Assistance usage rated services
- Switched Access Service High Capacity DS3 Entrance Facility and Direct Trunked Transport
- Special Access Program Audio Non-Competitive End User Channel Termination (EUCT)
- Special Access High Capacity Non-Competitive EUCT

For a list of applicable services by company, please refer to the National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4, Wire Center Information.

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 Section 12 following, is one month unless a different minimum period is established with 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, except for Special Access High Capacity Non-Competitive EUCT as set forth in 7.2.8 following, the applicable charge will be the lesser of (1) the 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 other applicable sections of this tariff.

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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(A) General

A service is interrupted when it becomes unusable to the customer because of a failure of a facility component used to furnish service under this tariff or in the event that the protective controls applied by the Telephone Company result in the complete loss of service by the customer as set forth in 6.2.1 following. An interruption period starts when an inoperative service is reported to the Telephone Company, and ends when the service is operative.

(B) When a Credit Allowance Applies

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

For the following services, any period during which the error performance is below that specified for the service will be considered as an interruption.

- Digital Data (DA1 through DA6)
- High Capacity (DS1)

Service interruptions for Specialized Service or Arrangements provided under Section 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.

ACCESS SERVICE

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) When a Credit Allowance Applies (Cont'd)

Credit allowances are computed as follows:

(1) Special Access Service other than Program Audio and Flat Rated Switched Access Service Rate Elements

For Special Access Services other than Program Audio and flat rated Switched Access Service rate elements (i.e., Entrance Facility, Direct Trunked Transport, Multiplexing), 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.

The monthly charges used to determine the credit shall be as follows:

(a) Two-point Services

For two-point services, the monthly charge shall be the total of all the monthly rate element charges associated with the service (i.e., two Special Access Non-Competitive End User Channel Terminations (EUCTs) and optional features and functions).

(b) Multipoint Services

For multipoint services, the monthly charge shall be only the total of all the monthly rate element charges associated with that portion of the service that is inoperative (i.e., a Non-Competitive EUCT per customer designated premises and optional features and functions).

(c) Reserved For Future Use(d) Flat Rated Switched Access Service Rate Elements

For flat rated Switched Access Service rate elements, the monthly charge shall be the total of all the monthly rate element charges associated with the service (i.e., Entrance Facility, Direct Trunked Transport and Multiplexing).

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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) When a Credit Allowance Applies (Cont'd)(2) Program Audio Special Access Non-Competitive End User Channel Terminations (EUCT)

For Program Audio Special Access Non-Competitive EUCT, 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 fraction thereof that the interruption continues.
- (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 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 EUCT and other Special Access Services and optional features and functions that are inoperative for each period of 5 minutes or 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 Non-Competitive EUCT and other Special Access Services and optional features and functions that are inoperative for each period of 5 minutes or fraction thereof that the interruption continues.
- (e) For multipoint services, the credit for the monthly or daily charges includes the charges for the distribution amplifier only when the distribution amplifier is inoperative.
- (f) When two or more interruptions occur during a period of 5 consecutive minutes, such multiple interruptions shall be considered as one 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) When a Credit Allowance Applies (Cont'd)(3) Switched Access and Directory Assistance Service Usage Rated Elements

For Switched Access Service and Directory Assistance Service, usage rated elements, 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 rate or assumed minutes of use charge for each period of 24 hours or major fraction thereof that the interruption continues.

(4) Credit Allowances Cannot Exceed Monthly Rate

The credit allowance(s) for an interruption or for a series of interruptions shall not exceed any monthly rate, less any discount, for the service interrupted in any 1 monthly billing period.

(C) When a Credit Allowance Does Not Apply

No credit allowance will be made for:

- (1) Interruptions caused by the negligence of the customer;
- (2) Interruptions of a service due to the failure of equipment or systems provided by the customer or others;
- (3) Interruptions of a service during any period in which the Telephone Company is not afforded access to the premises where the service is terminated;

ACCESS SERVICE

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) When a Credit Allowance Does Not Apply

No credit allowance will be made for:

- (4) Interruptions of a 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 BrightSpeed Local Operating Companies Tariff F.C.C. 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 for 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 that would result in credit in an amount less than one dollar.

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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) Use of an Alternative Service Provided by the Telephone Company

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

(E) Temporary Surrender of a Service

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

2.4.5 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 Telephone 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.

2.4.7 Access Services Provided By More Than One Telephone Company

When an Access Service is provided by more than one Telephone Company, the Telephone Companies involved will mutually agree upon one of the billing methods as set forth in (B) (1) and (2) following based on the service being provided. The Telephone Companies will notify the customer in writing of the billing method being used. The customer will place the order for the service as set forth in 5.3 following dependent upon the billing method.

(A) Non Meet Point Billing/Feature Group A

Non Meet Point Billing under a Revenue Sharing Agreement is the generally accepted billing method for Feature Group A Switched Access Service. At the agreement of the participating Telephone Companies, Meet Point Billing may apply to jointly provided Feature Group A services as set forth in (B) following.

(1) Single Company Billing/Revenue Sharing

All Telephone Companies jointly providing Feature Group A service will receive an order or a copy of the order, from the customer, as specified in 5.3.1(A) following. The telephone company that provides the dial tone 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 as provided for under a Feature Group A Revenue Sharing Agreement.

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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(B) Meet Point Billing

Meet Point Billing is required when an access service is provided by multiple Telephone Companies for Feature Groups B, C, and D Switched Access Services, Directory Assistance, and Special Access. It is optional for Feature Group A Switched Access Service.

Each Telephone Company jointly providing the access service will receive an order or a copy of the order from the customer as specified in 5.3.2 following and arrange to provide the service.

For usage rated access services the access minutes of use will generally be determined by the recording company. Where the recording company is not the Bill Rendering Company, the recording company will provide detailed usage records to the Bill Rendering Company to develop the access minutes.

The Bill Rendering Company in a single bill arrangement for Feature Groups B, C, and D Switched Access Services, is normally the end user's end office, for WATS usage the Bill Rendering Company is normally the WATS Serving Office, for Directory Assistance, the Bill Rendering Company is normally the Directory Assistance location. The name of the Bill Rendering Company will be included in the meet point billing notification provided to the customer by all the telephone companies on all meet point billed services.

The non-Bill Rendering Company(s) is any Telephone Company(s) in whose territory a segment of the Local Transport or Channel Mileage is provided and/or where the customer's Point of Termination is located.

There are two Meet Point Billing Options: Single Bill and Multiple Bill. These billing options are explained in (1) and (2) following. The Single Bill option is the preferred method. However, when a single bill option cannot be agreed to by all telephone companies providing service, the multiple bill option is the default.

Each telephone company must provide meet point billing notification to the customer, in writing, when new service is ordered or 30 days prior to changing an existing meet point arrangement. The notification should include the following:

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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) Meet Point Billing (Cont'd)

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

A Telephone Company that renders a meet point bill, the Bill Rendering Company, will render the bill in accordance with the industry standards as described in the Multiple Exchange Carrier Access Billing (MECAB) Guidelines and the Multiple Exchange Carrier Ordering and Design (MECOD) Guidelines. The bill will include cross reference(s) to the other telephone Company(s) providing service and common circuit identifiers. Should a billing dispute arise, the terms and conditions of the Bill Rendering company will apply.

(1) Single Bill Option

The single bill option allows the customer to receive one bill for access services that are provided by more than one company. The single bill option provides the following two billing alternatives:

- Single Bill/Multiple Tariff; and
- Single Bill/Single Tariff.

These options are described following in (a) and (b) respectively.

(a) Single Bill/Multiple Tariff

The single bill/multiple tariff bill is prepared by the Bill Rendering Company but reflects all rates and charges for each connecting company's part of the service based on each company's access tariff.

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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) Meet Point Billing (Cont'd)(1) Single Bill Option (Cont'd)(a) Single Bill/Multiple Tariff (Cont'd)

The Bill Rendering Company will:

- determine and include all recurring and nonrecurring rates and charges for each involved Telephone Company;
- identify each involved Telephone Company's rates and charges separately on the bill;
- forward the bill to the customer and provide a copy of the bill or other substantiation of the charges to the connecting Telephone Companies; and
- advise the customer how to remit the payment, either directly to each Telephone Company involved in the provision of this meet point billed service, or, as a single payment made to the Bill Rendering Company. If payments are to be sent directly to the Bill Rendering Company, the non-Bill Rendering Company(s) will provide the customer with written authorization for the payment arrangement.

(b) Single Bill/Single Tariff

The single bill/single tariff bill provides a meet point bill that is billed completely at the Billing Rendering Company's tariff rates and regulations.

The Bill Rendering Company will:

- determine and include on the access bill all usage data and all other recurring and nonrecurring rates and charges per its access tariff; and
- forward the bill to the customer.

The customer will remit the payment to the Bill Rendering 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) Meet Point Billing (Cont'd)(2) Multiple Bill Option

Under the Multiple Bill Option each company providing the access service will render an access bill to the customer for its portion of the service based on its access tariff rates and regulations. For switched access Multiple bills the end office company is generally the Initial Billing Company (IBC). The IBC is the company that calculates the access minutes to be billed to the customer and provides this data to each connecting company providing service, i.e., the Subsequent Billing Company(s). Each company, IBC and SBC, will:

- prepare its own bill;
- determine its charge(s) for Local Transport, Direct Transport, and/or Channel Mileage as set forth in (3) following;
- determine and include all recurring and nonrecurring rates and charges of its access tariff;
- reflect its Billing Account Reference (BAR) and all connecting company Billing Account Cross Reference (BACR) code(s);
- forward its bill to the customer.

The customer will remit payment directly to each Bill Rendering Company.

(3) 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:

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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) Meet Point Billing (Cont'd)(3) Determination of Meet Point Billed Local Transport, Direct Transport and Channel Mileage Charges (Cont'd)

- (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 respectively in 6.4.6 and 7.2.5 following.
- (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.
- (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 .

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(Cont'd)

The Tandem Switched Termination rate is applied as set forth in 6.1.3(A) following. The Switched Access Service Nonrecurring Charges are applied as set forth in 6.4.1(B) following. (Note: The BP is not applied to the Switched Access Service 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 Company, as set forth in (b) preceding, times the Direct Trunked Facility rate.
- The Direct Trunked Termination rate is applied as set forth in 6.1.3(A) following. The Switched Access Service Nonrecurring Charges are applied as set forth in 6.4.1(B) following. (Note: The BP is not applied to either the Switched Access Service Direct Trunked Termination rate or any Nonrecurring Charge.)

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

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

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- (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.

The Directory Assistance Nonrecurring charge is applied as set forth in 9.4.1(B) following. (Note: The BP is not applied to any Nonrecurring Charge.)

- (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).

(i) Example 1: Originating Switched Access Service (See Diagram 1)

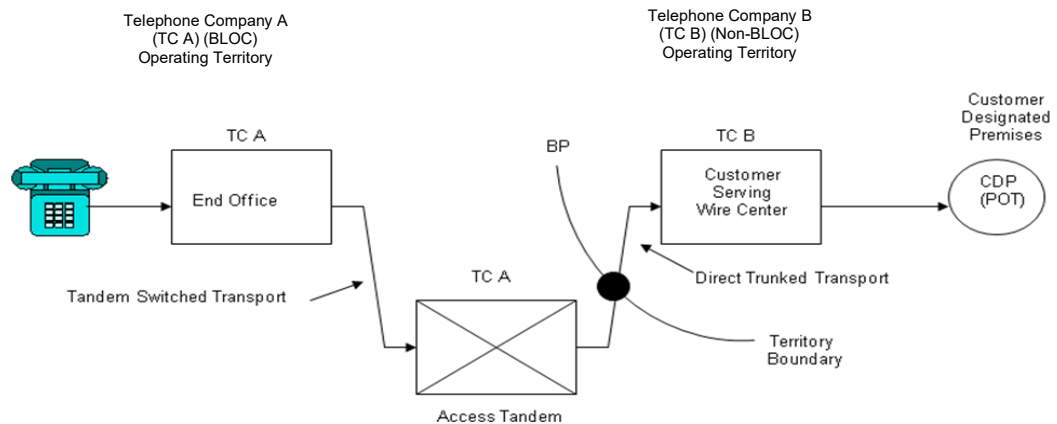
- Feature Group D Switched Access Service is ordered to End Office.
- Originating End Office and Access Tandem are in the operating territory of a Telephone Company (TC-A).
- Customer Designated Premises is in the operating territory of a Telephone Company (TC-B).
- Assumptions:
 - o TC-A Direct Trunk 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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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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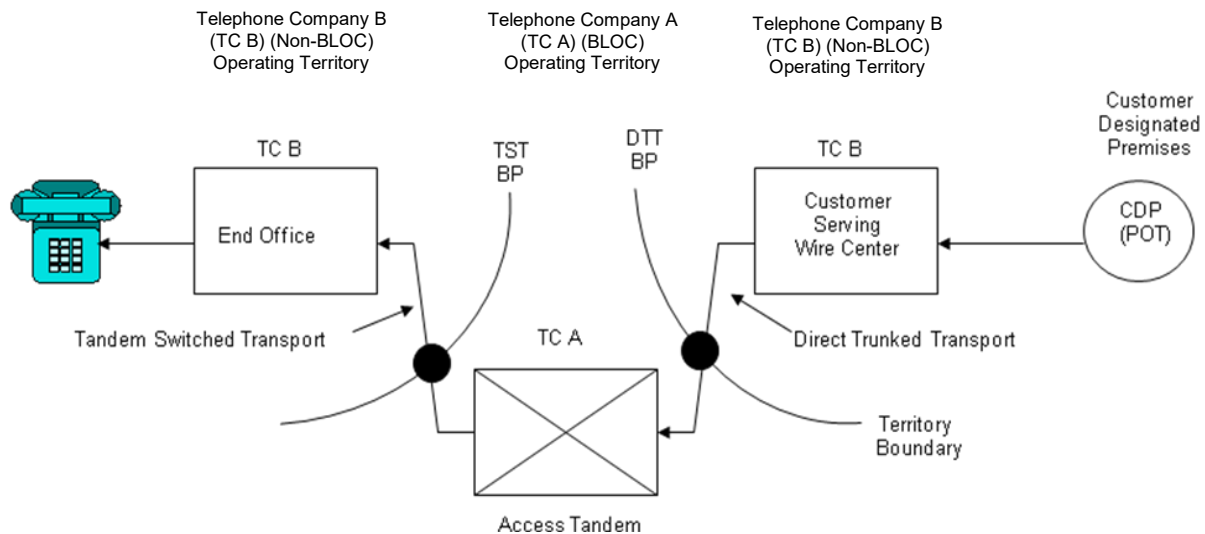
- Feature Group D Switched Access Service is ordered to End Office.
- Terminating Access Tandem is owned by BLOC ILEC carrier (TC-A) and End Office is owned by a non-BLOC carrier (TC-B)
- Assumptions:
 - o TC-A Direct Trunk Transport BP = 40% (where applicable Diagram 2A)
 - o TC-B Direct Trunk Transport 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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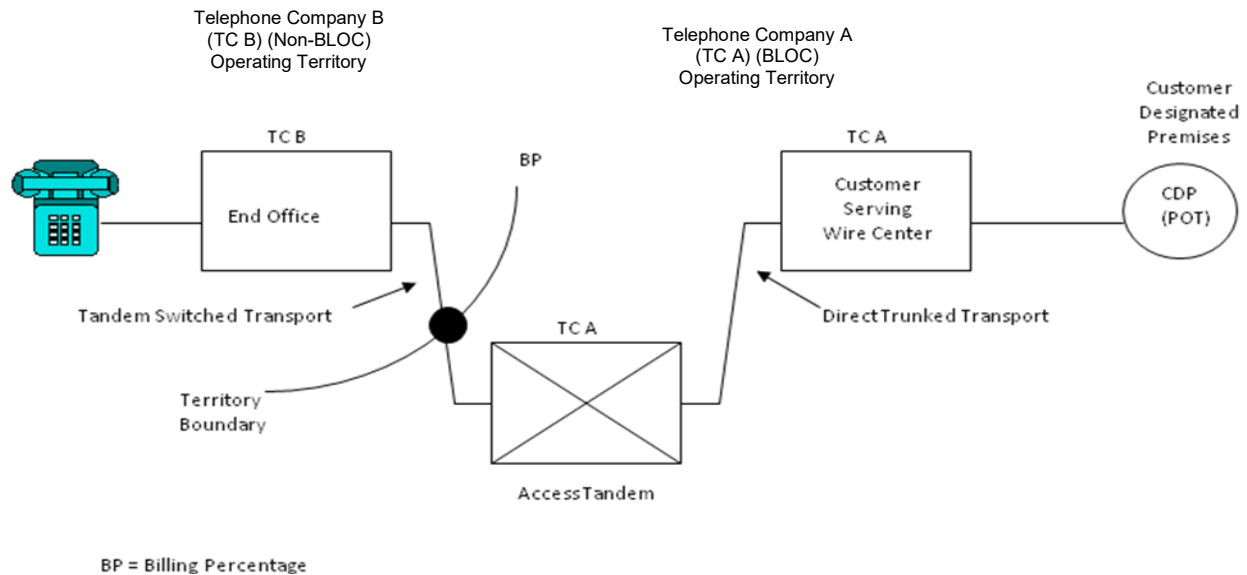
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- Telephone Company A charges are:

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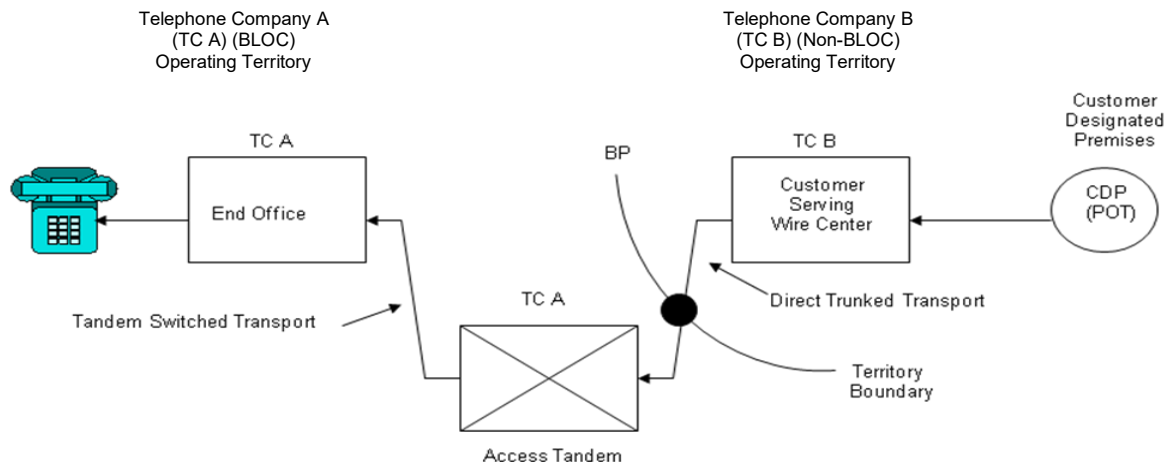
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- Feature Group D Switched Access Service is ordered to End Office.
- Terminating End Office and Access Tandem are both owned by a BLOC ILEC (TC-A)
- Assumptions:
 - o TC-A Direct Trunk Transport BP = 40%
 - o TC-B Direct Trunk Transport BP = 60%
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

Diagram 3

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- 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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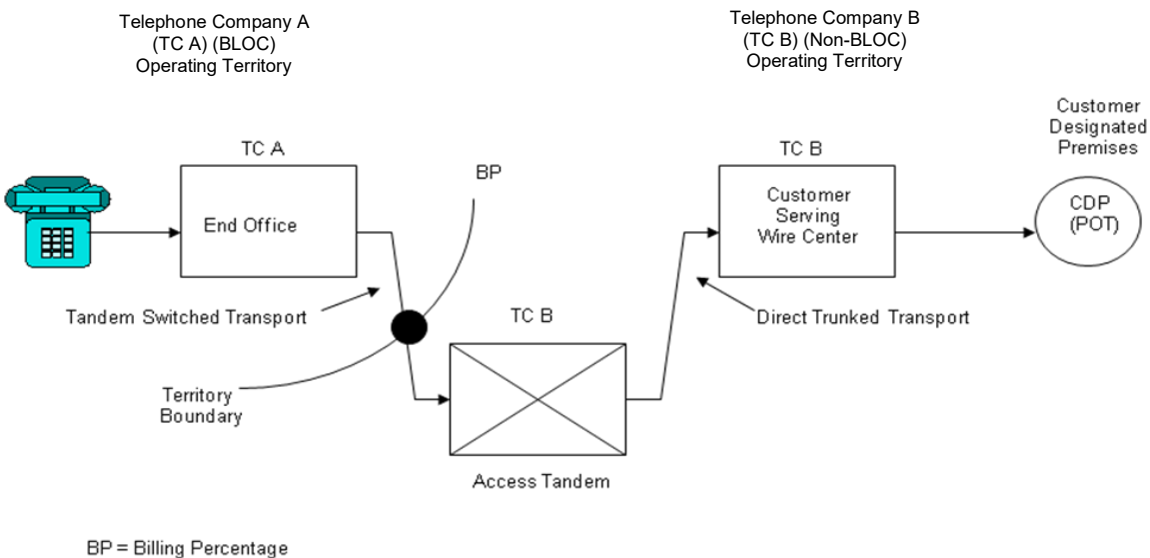
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2. General Regulations (Cont'd)2.4 Payment Arrangements and Credit Allowances (Cont'd)2.4.7 Access Services Provided by More Than One Telephone Company (Cont'd)(B) Meet Point Billing (Cont'd)(3) Determination of Meet Point Billed Local Transport, Direct Transport and Channel Mileage Charges (Cont'd)(I) Example 4: Originating Switched Access Service BLOC Owns Only the End Office (See Diagram 4)

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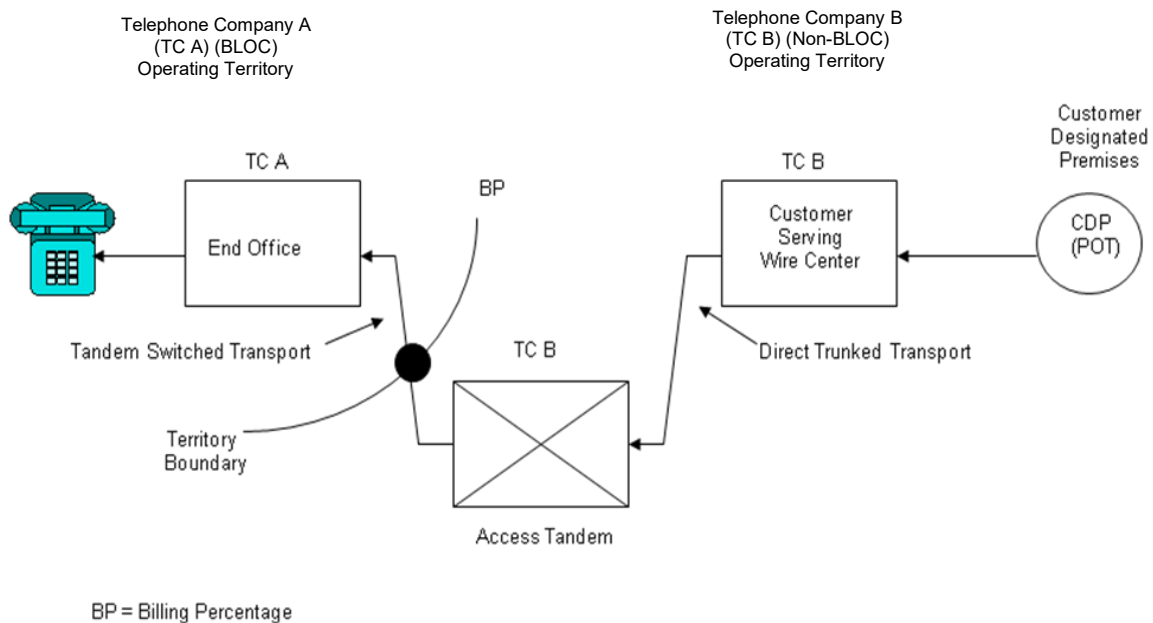
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- Feature Group D Switched Access Service is ordered to End Office
- End Office is owned by Telephone Company (BLOC) (TC-A)
- Access Tandem is owned by a non-BLOC ILEC (TC-B)

Diagram 5

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- 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

2.5 Connections

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

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2. General Regulations (Cont'd)2.6 Definitions

Certain terms used herein are defined as follows:

800 Data Base Access Service

The term "800 Data Base Access Service" denotes a service which uses a data base system to identify 800 access customers on a 10-digit basis. For purposes of administering the rules and regulations set forth in this tariff regarding the provision of 800 Database Access, except where otherwise specified, 800 Database Access Service shall include the following service access codes 800, 888, 877, 866, 855, 844, 833, and 822.

800 Series Service

The term 800 series denotes the service access codes of 800, 888, 877, 866, 855, 844, 833 and 822.

Access Code

The term "Access Code", with the exception of Feature Group B (FGB) with an Abbreviated Dial Arrangement (ADA), denotes a uniform access code assigned by the Company to an individual customer in the form 101XXXX and 950-XXXX. Access codes for FGB with an ADA are explained in 6.9.1 following.

Access Minutes

For the purpose of calculating chargeable usage, the term "Access Minutes" denotes customer usage of exchange facilities in the provision of interstate or foreign service. 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 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.

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

The term "Access Tandem" denotes a Company or centralized equal access provider switching system that provides a concentration and distribution function for originating or terminating traffic between end offices and a customer designated premises.

Advanced Intelligent Network (AIN)

The term "Advanced Intelligent Network (AIN)" denotes a telecommunications network architecture that uses databases to facilitate call processing, call routing, and network management, allowing carriers to change the routing of both inbound and outbound calls from moment to moment.

Aggregator

The term "Aggregator" denotes any entity 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/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.

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

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. BrightSpeed Local Operating Companies hours of operation is 8:00 a.m. to 5:00 p.m., Monday through Friday.

Busy Hour Minutes of Capacity (BHMC)

The term "Busy Hour Minutes of Capacity (BHMC)" denotes the customer specified maximum amount of Switched Access Service and/or Directory Assistance 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 Feature Group and/or Directory Assistance Service ordered. This customer specified BHMC quantity is the input data the Company uses to determine the number of transmission paths for the Feature Group and/or Directory Assistance Service 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 complete address information (e.g., 0-, 911, or 10 digits) is provided to the serving dial tone office.

Carrier Identification Code (CIC)

The term "Carrier Identification Code (CIC)" denotes a numeric code assigned by the North American Numbering Plan (NANP) Administrator for the provisioning of Feature Group B or Feature Group D Switched Access Services. The numeric code is unique to each carrier and is used by the Company to route Switched Access Service traffic to the Customer Designated Premises.

Carrier or Common Carrier

See Interexchange Carrier.

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).

Central Office

See End Office.

Central Office Maintenance Technician

The term "Central Office Maintenance Technician" denotes a Company employee who performs installation and/or repair work, including testing and trouble isolation, within the Company Central Office.

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.

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

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

Channel Service Unit

The term "Channel Service Unit" denotes 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 narrower band-width or lower speed channels.

Clear Channel Capability

The term "Clear Channel Capability" denotes the ability to transport twenty-four 64 Kbps over a DS1 Mbps High Capacity service via a B8ZS line code format.

C-Message Noise

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

C-Notched Noise

The term "C-Notched Noise" denotes the 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.

Common Channel Signaling

The term "Common Channel Signaling" (CCS) denotes a high speed packet switched communications network which is separate (out of band) from the public packet switched and message networks. Its purpose is to carry addressed signaling messages for individual trunk circuits and/or database related services between Signaling Points in the CCS network.

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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 sub-elements established for the use of these transport facilities; DS1 & DS3 End User Channel Terminations, and other Special Access Services, in any competitive serving wire center; DS1 & DS3 End User Channel Terminations, and other Special Access Services.

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, including both Interexchange Carriers (ICs) and End Users.

Customer Designated Premises

The term "Customer Designated Premises" denotes the premises specified by the customer for the provision of Access Service.

Customer Node

The term "Customer Node" denotes Company provided equipment located at a customer designated premises that terminates a high speed optical channel.

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2. General Regulations (Cont'd)2.6 Definitions (Cont'd)Data Transmission (107 Type) Test Line

The term "Data Transmission (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 difference in power, usually between acoustic or electric signals, equal to ten (10) times the common logarithm of the ratio of two signal powers.

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 Weighting" referred to or measured at a zero transmission level point.

Detail Billing

The term "Detail Billing" denotes the listing of each message and/or rate element for which charges to a customer are due on a bill prepared by the Company.

Digital Switched 56 Service

A Switched Access Service optional feature available with Feature Group C and Feature Group D Access, which provides for data transmission at up to 56 Kilobits per second.

Direct-Trunked Transport

The term "Direct-Trunked Transport" denotes transport from the serving wire center to the end office or from the serving wire center to the access tandem on circuits dedicated to the use of a single customer.

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2. General Regulations (Cont'd)2.6 Definitions (Cont'd)Directory Assistance (Interstate)

The term "Directory Assistance" denotes the provision of telephone numbers by a Company operator when the operator location is accessed by a customer by dialing NPA + 555-1212 or 555-1212.

Directory Assistance Location (Interstate)

The term "Directory Assistance Location" denotes a Company office where company equipment first receives the Directory Assistance call from the customer's end user and selects the first operator position to respond to the Directory Assistance call.

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. It may be utilized when Feature Group A is being used in the terminating direction (from the point of termination with the customer to the local exchange end 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.

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

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

The term "End 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. This term includes Remote Switching Modules/Systems served by a Host Central Office in a different wire center.

End User

The term "End User" means any customer of an interstate or foreign telecommunications service that is not a carrier, except that a carrier other than a telephone company shall be deemed to be an "end user" when such carrier uses a telecommunications service for administrative purposes, and a person or entity that offers telecommunications service exclusively as a reseller shall be deemed to be an "end user" if all resale transmissions offered by such reseller originate on the premises of such reseller.

Enhanced Service

The term "Enhanced Service", as defined in Part 64 of the F.C.C.'s Rules and Regulations, are services "offered over common carrier transmission facilities used in interstate communications, which employ computer processing applications that act on the format, content, code, protocol or similar aspects of the subscriber's transmitted information; provide the subscriber additional, different, or restructured information; or involve subscriber interaction with stored information."

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

The term "Entrance Facility" denotes a Switched Access Service dedicated Local Transport facility between the customer's serving wire center and the customer designated premises.

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 = EPL - TLP (send) + TLP (receive)].

Exchange

The term "Exchange" denotes a unit generally smaller than a local access and transport area, established by the Company for the administration of communications service in a specified area which usually embraces a city, town or village and its environs. It consists of one or more central offices together with the associated facilities used in furnishing communications service within that area. The exchange includes any Extended Area Service area that is an enlargement of a Company's exchange area to include nearby exchanges. One or more designated exchanges comprise a given local access and transport area.

Exit Message

The term "Exit Message" denotes an SS7 message sent to an end office by the Company's tandem switch to mark the Carrier Connect Time when the Company's tandem switch sends an Initial Address Message to an interexchange customer.

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

See Exchange.

First Point of Switching

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

Frequency Shift

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

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 Central Office

The term "Host Central Office" denotes an electronic local Telephone Company End Office where Telephone Exchange Service customer station loops are terminated for purposes of interconnection to each other and to trunks. Additionally, this type of End Office contains the central call processing functions which service itself and its Remote Switching Modules/Systems.

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2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)Hub

The term "Hub" denotes a wire center at which bridging or multiplexing functions are performed for customers served out of any wire center.

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.

Initial Address Message

The term "Initial Address Message" denotes an SS7 message sent in the forward direction to initiate trunk set up, reserve an outgoing trunk and process the information about that trunk along with other data relating to the routing and handling of the call to the next switch.

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2. General Regulations (Cont'd)2.6 Definitions (Cont'd)Inserted Connection Loss

The term "Inserted Connection Loss" denotes the 1004 Hz 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.

Installation and Repair Technician

The term "Installation and Repair Technician" denotes a Telephone Company employee who performs installation and/or repair work, including testing and trouble isolation, outside of the Telephone Company Central Office and generally at the customer designated premises.

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 communication by wire or radio, between two or more exchanges.

Intermediate Hub

The term "Intermediate Hub" denotes a wire center at which bridging or multiplexing functions are performed only for customers served by that wire center and wire centers that subtend the hub, as specified in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4.

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.

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

Legal Holiday

The term "Legal Holiday" denotes days other than Saturday or Sunday for which the Telephone Company is normally closed. These include New Year's Day, Independence Day, Thanksgiving Day, Christmas Day and a day when Washington's Birthday, Memorial Day or Columbus Day is legally observed and other locally observed holidays when the Telephone Company is closed.

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.

Local Access and Transport Area (LATA)

The term "Local Access and Transport Area" denotes a geographic area established for the provision and administration of communications service. It encompasses one or more designated exchanges, which are grouped to serve common social, economic and other purposes.

Local Area Network

The term "Local Area Network" denotes a network permitting the interconnection and intercommunication of a group of computers.

Local Number Portability (LNP)

The term "Local Number Portability (LNP)" denotes the ability of an end user of local exchange telecommunications service to retain an existing telephone number without impairment of quality, reliability, or convenience when switching from one local exchange telecommunications carrier to another.

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2. General Regulations (Cont'd)2.6 Definitions (Cont'd)Location Routing Number (LRN)

The term "Location Routing Number (LRN)" denotes a unique NPA-NXX-XXXX that serves as a routing number associated with a central office switch that has subscribers that have transferred their telephone numbers from one local exchange telecommunications carrier to another.

Loss Deviation

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

Major Fraction Thereof

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

Message

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 Company end office.

N-1 Carrier

The term "N-1 Carrier" denotes the telecommunications carrier, prior to the terminating carrier, responsible for querying an LNP database to determine the routing of a call for a number portable NXX code.

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.

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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 code (Numbering Plan Area - NPA) and a seven-digit telephone number made up of a three-digit Central Office prefix plus a four-digit station number.

Off-hook

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

On-hook

The term "On-hook" denotes the idle condition of Switched Access Service 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 open circuit termination of a trunk or line by means of an inductor of several Henries.

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.

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

The term "Pay Telephone" denotes a coin or coinless instrument provided in a public or semipublic place where Payphone Service Provider customers can originate telephonic communications and pay the applicable charges by (1) inserting coins into the equipment, or (2) using a credit card, or (3) third party billing the call or (4) calling collect.

Payphone Service Provider

The term "Payphone Service Provider" denotes any entity that provides pay telephone service, which is the provision of public, semi-public or inmate pay telephone service.

Phase Jitter

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

Point of Termination

The term "Point of Termination" denotes the point of demarcation within a customer-designated premises at which the 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.

Remote Switching Modules/Systems

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

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

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 F.C.C.'s Rules and Regulations.

Service Access Code

The term "Service Access Code" denotes a 3 digit code in the NPA format which is used as the first three digits of a 10 digit address and which is assigned for special network uses. Whereas NPA codes are normally used for identifying specific geographical areas, certain Service Access Codes have been allocated in the North American Numbering Plan to identify generic services or to provide access capability. Examples of Service Access Codes include the 800 and 900 codes.

Service Switching Point (SSP)

The term "Service Switching Point" denotes an end office or tandem which, in addition to having SS7 and SP capabilities, is also equipped to query centralized data bases.

Serving Wire Center

The term "Serving Wire Center" denotes the wire center from which the customer designated premises would normally obtain dial tone from the Telephone Company.

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 (SP)

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

Signaling Point of Interface (SPOI)

The term "Signaling Point of Interface (SPOI)" denotes the customer designated location where the SS7 signaling information is exchanged between the Company and the customer.

Signaling Return Loss

The term "Signaling 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.

Signaling System 7 (SS7)

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

Signal Transfer Point (STP)

The term "Signal Transfer Point (STP)" denotes a packet switch which provides access to the Company's SS7 network and performs SS7 message signal routing and screening.

Signal Transfer Point (STP) Port

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

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

The term "Special Order" denotes an order for a Directory Assistance Service.

Study Area

The term "Study Area" denotes a geographic area within a state in which a Company operates. This geographic area normally does not cross state lines.

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 an Access Tandem

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

Super Intermediate Hub

The term "Super Intermediate Hub" denotes a wire center at which bridging or multiplexing functions are performed for Customers served by all wire centers in the LATA. A Super Intermediate Hub can be restricted to one or more designated NPAs within a LATA and/or to wire centers that are owned by the same company as the hub. Super Intermediate Hubs and the wire centers they serve are identified in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4.

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.

Tandem Switched Transport

The term "Tandem Switched Transport" denotes transport from the tandem to the end office that is switched at a tandem.

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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.

Terminus Hub

The term "Terminus Hub" denotes a wire center at which bridging or multiplexing functions are performed only for Customers served directly by the same wire center.

Throughput

The term "Throughput" denotes the number of data bits successfully transferred in one direction per unit of time.

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.

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

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 in a two-wire entity (e.g., a central office switch).

V and H Coordinates Method

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.

WATS Serving Office

The term "WATS Serving Office" denotes a Telephone Company designated serving wire center where switching, screening and/or recording functions are performed in connection with the closed-end of WATS or WATS-type services.

Wire Center

The term "Wire Center" denotes a building in which one or more central offices, used for the provision of Telephone Exchange Services, are located.

Wireless Switching Center

The term "Wireless Switching Center" (WSC) denotes a Wireless Service Provider (WSP) switching system that is used to terminate wireless stations for purposes of interconnection to each other and to trunks interfacing with the public switched network.

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3. Carrier Common Line Access Service, Federal Universal Service Charge, ISDN LINE PORTS & DS1 LINE PORT3.1 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

A Special Access Surcharge, as set forth in rate sections following, will apply to interstate special access service provided by the Telephone Company to a customer, in accordance with regulations as set forth in 7.3 following.

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 WATS Access Lines

Where Switched Access Services are connected with Special Access Services 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 Feature Group A or Feature Group 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 the exchange carrier's access tariff are used.

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3. Carrier Common Line Access Service, Federal Universal Service Charge, ISDN Line Ports and DS1 Line Port (Cont'd)3.3 Undertaking of the Telephone Company3.3.1 Provision of Service

Where the customer is provided Switched Access Service under other sections of this Tariff, the Telephone Company will provide the use of Telephone Company common lines by a customer for access to end users at rates and charges as set forth in rate sections following.

3.3.2 Interstate and Intrastate Use

The Switched Access Service provided by the Telephone Company includes the Switched Access Service provided for both interstate and intrastate communications. The Carrier Common Line Access rates and charges as set forth in rate sections following apply to interstate Switched Access Service access minutes in accordance with the rate regulations as set forth in 3.8.4 following (Percent Interstate Use - PIU).

3.4 Obligations of the Customer3.4.1 Switched Access Service Requirement

The Switched Access Service associated with Carrier Common Line Access shall be ordered by the customer under other sections of this tariff.

3.4.2 Supervision

The customer facilities at the premises of the ordering customer shall provide the necessary on-hook and off-hook supervision.

3.5 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.

3.5.1 Determination of Jurisdiction

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 3.8.4 following (Percent Interstate Use-PIU).

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3. Carrier Common Line Access Service, Federal Universal Service Charge, ISDN Line Ports and DS1 Line Port (Cont'd)3.5 Determination of Usage Subject to Carrier Common Line Access Charges (Cont'd)3.5.2 Cases Involving Usage Recording By the Customer

Where Feature Group 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 operator and calls such as pay telephone sent-paid, 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.

3.5.3 Local Exchange Access and Enhanced Services Exemption

When 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 rate sections following apply in accordance with the resale rate regulations as set forth in 3.6.4 following.

3.6 Resold Services3.6.1 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 Feature Group A, Feature Group B or Feature Group 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 rate sections following in accordance with the resale rate regulations set forth in 3.6.4 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, Federal Universal Service Charge, ISDN Line Ports and DS1 Line Port (Cont'd)3.6 Resold Services (Cont'd)3.6.2 Customer Obligations Concerning the Resale of MTS and MTS-type Services

When the customer is reselling MTS and/or MTS-type service as set forth in 3.6.1 preceding, the customer will be charged Carrier Common Line Access charges in accordance with the resale rate regulations as set forth in 3.6.4 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.

3.6.3 Resale Documentation Provided By the Customer

When the customer utilizes Switched Access Service as set forth in 3.6.2 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 or MTS-type Service. Requests for billing will relate back no more than 12 months prior to the current billing period.

3.6.4 Rate Regulations Concerning the Resale of MTS and MTS-type Services(A) Apportionment and Adjustment of Resold Minutes of Use(1) Originating Services (Cont'd)

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.

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3. Carrier Common Line Access Service, Federal Universal Service Charge, ISDN Line Ports and DS1 Line Port (Cont'd)3.6 Resold Services (Cont'd)3.6.4 Rate Regulations Concerning the Resale of MTS and MTS-type Services (Cont'd)(A) Apportionment and Adjustment of Resold Minutes of Use (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. Such apportionment will be based on the relationship of the terminating usage for each access group to the total terminating usage for all access groups 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.

(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 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.

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3. Carrier Common Line Access Service, Federal Universal Service Charge, ISDN Line Ports and DS1 Line Port (Cont'd)3.6 Resold Services (Cont'd)3.6.4 Rate Regulations Concerning the Resale of MTS and MTS-type Services (Cont'd)(C) Direct and Indirect Connections

Each of the access group arrangements 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 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 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.

(D) Reserved for Future Use(E) Reserved for Future Use(F) Reserved for Future Use(G) Reserved for Future Use

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3. Carrier Common Line Access Service, Federal Universal Service Charge, ISDN Line Ports and DS1 Line Port (Cont'd)3.6 Resold Services (Cont'd)3.6.4 Rate Regulations Concerning the Resale of MTS and MTS-type Services (Cont'd)(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) Reserved for Future Use3.7 Reserved For Future Use3.8 Rate Regulations3.8.1 Billing of 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 3.6.4 preceding (Resale) and 3.8.4 following (PIU).

3.8.2 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 3.8.3 following (Unmeasured FGA and B Usage) and Feature Group C operator and automated operator services systems call detail such as pay telephone sent-paid, 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 3.8.3 following (Unmeasured FGA and 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, Federal Universal Service Charge, ISDN Line Ports and DS1 Line Port (Cont'd)3.8 Rate Regulations (Cont'd)3.8.3 Unmeasured Feature Group A and B Usage

When Carrier Common Line Access is provided in association with Feature Group A or Feature Group 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 the exchange carriers' access tariffs.

3.8.4 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 2.3.11 preceding (Jurisdictional Reports), 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 3.6.4 preceding (Resale), when necessary, be used to determine Carrier Common Line Charges as set forth in 3.8.5 following.

3.9 Federal Universal Service Charge

The Federal Universal Service Charge (FUSC) recovers the Telephone Company's contribution to various federal universal service funds. FUSC will be billed by only those Telephone Companies contributing to the universal service funds and listed in Section 17.1, following. The Telephone Company will apply a surcharge factor each month to the billed charges for interstate access services provided to end users from this Tariff.

FUSC will not apply to any billed charges for an end user when the interstate access service provided to the end user qualifies under the federal universal service guidelines for the Lifeline Assistance Program. FUSC 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.

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3. Carrier Common Line Access Service, Federal Universal Service Charge, ISDN Line Ports and DS1 Line Port (Cont'd)3.9 Federal Universal Service Charge (Cont'd)3.9.1 Rate Regulations

The Telephone Company will bill FUSC each month as described below. The FUSC Surcharge Factor is set forth in Section 17.1.2, following.

(A) FUSC Surcharge Factor

The Telephone Companies listed in Section 17.1, following, will multiply the FUSC Surcharge Factor set forth in Section 17.1.2, following, against the end user's billed interstate access services charges.

3.10 ISDN Line Ports

When an end user is provided Integrated Services Digital Network (ISDN) Basic Rate Interface (BRI) and/or ISDN Primary Rate Interface (PRI) local exchange service by the Telephone Company under the general or local exchange tariff, ISDN Line Port rates apply. ISDN Line Port rates recover the costs of ISDN line ports to the extent these costs exceed the cost of a line port used for basic, analog service.

When an end user temporarily suspends its local exchange service that is associated with ISDN BRI and/or ISDN PRI, one half of the ISDN Line Port rate per month will be temporarily suspended for the time period the local exchange service is suspended.

3.10.1 Rate Application

Rates for ISDN Line Ports are set forth in Section 17.1.3, following.

The monthly rate applies to each ISDN service arrangement ordered from the Telephone Company's general or local exchange tariff, as described below.

- The ISDN BRI Line Port rate applies to each ISDN BRI arrangement.
- The ISDN PRI Line Port rate applies to each ISDN PRI arrangement.

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3. Carrier Common Line Access Service, Federal Universal Service Charge, ISDN Line Ports and DS1 Line Port (Cont'd)3.11 DS1 Line Port

When an end user is provided a DS1 (1.544 Mbps) local exchange service by the Telephone Company under the general and/or local exchange tariff(s), and where the end user provides the terminating channelization equipment, a DS1 Line Port rate will apply. The DS1 Line Port rate recovers the line port costs of the DS1 channel service to the extent these costs exceed the cost of a line port used for basic, analog service.

When an end user temporarily suspends its local exchange service that is associated with DS1 channel service, one-half of the DS1 Line Port rate per month will be temporarily suspended for the time period the local exchange service is suspended.

3.11.1 Rate Application

The DS1 Line Port rate is set forth in Section 17.1.4, following.

This monthly rate applies to each DS1 (1.544 Mbps) channel service ordered from the Telephone Company's general and/or local exchange tariff, where the end user provides the terminating channelization equipment.

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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.

4.1 General Description

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

4.2 Limitations(A) Exclusions

Telephone number detail billing, 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 SLC and ARC Residence rates as set forth in 17.1.1, following, are waived.

4.3 Undertaking of the Company

The Company will provide End User Access at rates and charges as set forth in 17.1.1 as follows:

(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 Subscriber Line Charge (SLC) and Access Recovery Charge (ARC) 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 cancelled when the order for the associated local telephone exchange service is cancelled. 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 SLC and ARC, requested End User Access credit allowances for interruptions will be provided as set forth for credit allowance for interruptions in 2.4.4 preceding.

4.5.5 Temporary Suspension of Service

When an end user temporarily suspends its local exchange service that is associated with SLC and ARC, one-half of the SLC and ARC per month charge will be temporarily suspended for the time period the local exchange service is suspended.

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

Subscriber Line Charge (SLC) and Access Recovery Charge (ARC) per month charges will be billed to the end user of the associated Local Exchange Service.

4.6.2 Pay Telephone Service

The SLC and ARC Multiline Business rate will be assessed when a Payphone Service Provider obtains an exchange service line for the purposes of offering pay telephone 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 and Centrex services included, and when the local business exchange service is provided under the general and/or local exchange or Centrex service tariffs, the SLC and ARC Single Line Business - Individual line or trunk rate as set forth in 17.1.1 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 Company, pay telephone, multiparty and Centrex services included, and when the local exchange service is provided under the general and/or local exchange or Centrex service tariffs, the SLC and ARC Multiline Business - Individual line or trunk rate as set forth in 17.1.1 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.

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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

Business or residence single line or multiline usage for Centrex CO and Centrex CO-like services is determined as set forth in 4.6.4 (A) and (B) preceding. Centrex CO or 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 residential quarters, the residential portion of the service is commonly known as dormitory service. Residential charges will apply to lines to the student or faculty dormitory (residential) quarters as set forth in 17.1.1(A) following. Business charges for lines to the university, college or school offices will apply as set forth in 17.1.1(A) following. Charges shall be based on the number of residence and business lines reported to the Company by the end user.

4.6.4 Radio Common Carriers

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, Subscriber Line Charge (SLC) and Access Recovery Charge (ARC) charges do not apply. 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 80 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

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

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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

When an end user is provided local residence exchange service(s) in a state, multiparty and Centrex services included, and when the local residence exchange or Centrex service is provided under the general and/or local exchange or Centrex service tariffs, the SLC and ARC Residence-Individual line or trunk rates as set forth in 17.1.1, following, applies to each such local residence exchange trunk. 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.

4.6.7 Integrated Services Digital Network (ISDN) Services(A) ISDN Basic Rate Interface (BRI)

When an end user is provided residence or business local exchange service under any general and/or local exchange service tariff(s) using an Integrated Services Digital Network (ISDN) Basic Rate Interface (BRI) arrangement, one (1) SLC and ARC Residence - Individual line or trunk charge or one (1) SLC and ARC Single Line Business – Individual line or trunk charge as set forth in Section 17.1.1, following, applies to each ISDN BRI arrangement.

(B) ISDN Basic Rate Interface (PRI)

When an end user is provided residence or business local exchange service under any general and/or local exchange service tariff(s) using an Integrated Services Digital Network (ISDN) Primary Rate Interface (PRI) arrangement, five (5) Subscriber Line Charge (SLC) and Access Recovery Charge (ARC) Multiline Business Individual line or trunk charges as set forth in Section 17.1.1, following, apply to each ISDN PRI arrangement.

4.6.8 DS1 Channel Service

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 17.1.1, following, apply to each DS1 channel service.

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5. Access Ordering

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.

5.1 General

This section sets forth the regulations and order related charges for services set forth in other sections of this tariff. Order related charges are in addition to other applicable charges for the services provided.

An Access Order is an order to provide the customer with Switched Access Service or Special Access Non-Competitive End User Channel Termination(s) (EUCT), Access Related Service or to provide changes to existing services.

The regulations, rates and charges for special construction are set forth in Tariff BLOC No. 5 and are in addition to the regulations, rates and charges specified in this section.

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

The customer shall provide to the Company the order information required in 5.2 following, and in addition 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. Access Ordering (Cont'd)5.1 General (Cont'd)5.1.1 Service Installation

The Company will provide the Access Service in accordance with the customer's requested service date, subject to the constraints established by the Company schedule of applicable service dates.

The Company shall make available to all customers, upon request, a schedule of applicable service intervals for Switched Access Service and Special Access Non-Competitive EUCT. The schedule shall specify the applicable service interval for services and the quantities of services that can be provided by a requested service date. Any associated material will be provided upon request and within a reasonable period of time.

The Company will not accept orders for service dates which exceed the applicable service date by more than six months.

Access Services 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 17.4.3(A) following.

5.1.2 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 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.

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5. Access Ordering (Cont'd)5.1 General (Cont'd)5.1.2 Expedited Order Charge (Cont'd)

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 in rate sections following 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 5.5.3 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 in Section 17.4.1 (E) following.

5.1.3 Selection of Facilities for Access Orders

The option to request a specific transmission path or channel is only provided for High Capacity Facilities Special Access Non-Competitive End User Channel Termination (EUCT), or as provided for under Special Facilities Routing as set forth in Section 11 following.

When there are 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 EUCT requested in an Access Order. The Company will make a reasonable effort to accommodate the customer request.

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5. Access Ordering (Cont'd)5.2 Ordering Requirements5.2.1 Switched Access Service

When ordering Switched Access Service, the customer must specify the directionality of the service and whether the service is to be provided as (1) Direct Trunked Transport from the serving wire center to the end office or (2) Direct Trunked Transport from the serving wire center to a tandem which connects with Tandem Switched Transport from the tandem to the end office. When all or a portion of service is ordered as Direct Trunked Transport, the customer must specify the type and quantity of Direct Trunked Transport facility (e.g., Voice Grade, High Capacity DS1 or DS3) and the hubs or ADM equipped wire centers involved.

Except as provided for in Section 6.1.3(A)(1), following, the Customer must also specify the type of Entrance Facility to be used for Switched Access (e.g., Voice Grade or High Capacity). For High Capacity Entrance Facilities, the customer must specify the facility assignment and the channel assignment for each trunk.

Direct Trunked Transport is available at all tandems and at all end offices except those end offices identified in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4 as not having the capability to provide Direct Trunked Transport. Direct Trunked Transport is not available: (1) from end offices that provide equal access through a Centralized Equal Access arrangement, or (2) from end offices that lack recording or measurement capability.

Normally, Direct Trunked Transport of originating 800 series calls from an end office is available only from Service Switching Point (SSP) equipped end offices. However, certain SSP equipped end offices cannot accommodate the direct trunking of the 800 series (other than the 800 service access code) service access code. These end offices are identified in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4. Additionally, certain non-SSP equipped end offices can accommodate direct trunking of originating 800 series calls. These end offices are also identified in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4.

When the customer has both Tandem Switched Transport and Direct Trunked Transport at the same end office, the customer will be provided Alternate Traffic Routing as set forth in 6.4.6 following.

A customer's Local Transport may be connected to the Entrance Facility of another customer, providing the other customer submits a Letter of Authorization for this connection and assumes full responsibility for the cost of the Entrance Facility.

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5. Access Ordering (Cont'd)5.2 Ordering Requirements5.2.1 Switched Access Service (Cont'd)(A) Feature Group A

Orders for Feature Group A Switched Access Service shall be in lines.

When placing an order for Feature Group A Switched Access Service, the customer shall provide the following information in addition to that set forth in 5.1 preceding:

- The number of lines and the first point of switching (i.e., Dial Tone Office);
- Optional Features;
- Whether the Off-hook Supervisory Signaling is provided by the customer's equipment before the called party answers, or is forwarded by the customer's equipment when the called party answers;
- Lines to be provided as single lines;
- Lines to be arranged in multiline hunt group arrangements;
- Directionality (1-way, 2-way, etc.);
- A projected Percentage of Interstate Use (PIU) as set forth in 2.3.11 preceding; and
- The Interexchange Carrier to which the service is connected, or in the alternative, specify the means by which the FGA access communications are transported to another state.

(B) Feature Group B

Orders for Feature Group B Switched Access Service shall be in trunks.

When placing an order for Feature Group B Service, the customer shall provide, the following information in addition to that set forth in 5.1 preceding:

- The number of trunks;
- The end office, except when FGB is provided through a centralized equal access arrangement, when direct routing is desired;
- The access tandem office when tandem routing is desired;
- Optional Features;
- Trunks to be provided as single trunks;
- Trunks to be arranged in trunk group arrangements;
- Directionality (1-way, 2-way, etc.);

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5. Access Ordering (Cont'd)5.2 Ordering Requirements5.2.1 Switched Access Service (Cont'd)(B) Feature Group B (Cont'd)

- A projected Percentage of Interstate Use (PIU) as set forth in 2.3.11 preceding;
- The Interexchange Carrier to which the service is connected or, in the alternative, specify the means by which the FGB access communications are transported to another state;
- The access code dialing arrangement (i.e., a uniform access code of 950-XXXX or an Abbreviated Dialing Arrangement (ADA) access code of N or NX);
- For Feature Group B switched access service to a Wireless Switching Center (WSC) directly interconnected to a Telephone Company access tandem office, the customer shall provide information to the Telephone Company indicating the NXX code(s) to be accessed.

(C) Feature Group C, Feature Group D, Interim NXX Translation, Operator Transfer Service and SS7 Signaling

When placing an order for Feature Group C and D Switched Access Service, the customer shall provide:

- The number of BHMC from the customer designated premises to the end office or Operator Transfer Service location by Feature Group and by type of BHMC or
- The number of trunks desired between customer designated premises and an entry switch or Operator Transfer Service location;
- The number of BHMC or trunks required for or to be converted to an SS7 Signaling capability;
- Optional Features;
- Interim NXX Translation options;
- Operator Transfer Service option;
- A projected Percentage of Interstate Use (PIU) as set forth in 2.3.11 preceding.
- For Feature Group D switched access service to a Wireless Switching Center (WSC) directly interconnected to a Telephone Company access tandem office, the customer shall provide information to the Telephone Company indicating the NXX code(s) to be accessed.

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5. Access Ordering (Cont'd)5.2 Ordering Requirements (Cont'd)5.2.1 Switched Access Service (Cont'd)(C) Feature Group C, Feature Group D, Interim NXX Translation, Operator Transfer Service and SS7 Signaling (Cont'd)

When BHMC information is provided it is used to determine the number of transmission paths as set forth in 6.2.5 following.

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 a.m. hour). The customer shall, for the same hour period (i.e., busy hour) for each of twenty consecutive business days, pick the 20 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 20 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.

Customers may, at their option, order FGD by specifying the number of trunks desired between customer designated premises and an end office, access tandem or operator services location. When ordering by trunk quantities rather than BHMC quantities to an access tandem, the customer must also provide the Telephone Company an estimate of the amount of traffic it will generate to and/or from each end office subtending the access tandem to assist the Telephone Company in its own efforts to project further facility requirements.

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5. Access Ordering (Cont'd)5.2 Ordering Requirements (Cont'd)5.2.1 Switched Access Service (Cont'd)(C) Feature Group C, Feature Group D, Interim NXX Translation, Operator Transfer Service and SS7 Signaling (Cont'd)

When Feature Group C or D is ordered with the Interim NXX Translation optional feature, the customer shall specify the Service Access Code(s) (e.g., 900) and their associated NXX code(s) to be translated within the entire LATA or Market Area. The initial and subsequent orders to add, change, or delete Interim NXX Translation codes shall be placed separately or in combination with orders to change Feature Group C or D Switched Access BHMC or trunks. Customer assigned NXX codes which have not been ordered will be blocked.

Orders for the Interim NXX Translation optional feature shall not be required until such time as a customer other than an MTS/WATS provider requests Interim NXX Translation of Service Access Codes. Upon receipt of such order, the Telephone Company shall notify the MTS/WATS provider of the activation of the Interim NXX Translation Service for the Service Access Code. Following such initial activation, all customers are required to place orders for Interim NXX Translation of the Service Access Code and the Interim NXX Translation charge for the Service Access Code shall apply as set forth in 17.2.1(B) following.

For the Operator Transfer Service Option ordered in conjunction with Feature Group C or Feature Group D Switched Access Service as set forth in 6.7.1 and 6.8.1 following, the customer must specify the number of trunks or BHMCs desired between its premises and the Telephone Company operator services location.

Operator Transfer Service is provided at operator services locations as set forth in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4.

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5. Access Ordering (Cont'd)5.2 Ordering Requirements (Cont'd)5.2.1 Switched Access Service (Cont'd)(D) Directory Assistance

Orders for Directory Assistance service shall be in BHMCs.

When placing an order for Directory Assistance service, the customer shall provide the following information:

- The number of BHMCs from the customer designated premises to the Directory Assistance location
- If Switched Access is required on the terminating end of the DA call, as set forth in Section 9. following, the Feature Group B, C or D Switched Access Service Trunk Group to be associated with the DA service Direct Transport options.

The BHMC information is used to determine the number of transmission paths as set forth in 9.2.6 following.

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5. Access Ordering (Cont'd)5.2 Ordering Requirements (Cont'd)5.2.1 Switched Access Service (Cont'd)(E) SS7 Optional Feature

When Feature Group C or D is ordered with the SS7 optional feature, in addition to information listed in 5.2.1(C) preceding, the customer shall specify a reference to existing signaling connections or reference a related SS7 signaling connection order. When ordering SS7 signaling, the customer shall provide the Signaling Transfer Point codes, location identifier codes and circuit identifier codes. In addition, the customer shall work cooperatively with the Telephone Company to determine the number of SS7 signaling connections required to handle its signaling traffic.

For 800 Data Base Access Service, as described in 6.1.3(A) & (C) following, the customer must order FGC or FGD to those access tandems or end offices designated as Service Switching Points (SSP) for 800 data base service or to those non-SSP equipped end offices that can accommodate direct trunking of originating 800 calls. SSP equipped end offices and access tandems and non-SSP equipped end offices that can accommodate direct trunking of originating 800 calls are designated in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4, Wire Center Information. Certain SSP equipped end offices that cannot accommodate direct trunking of originating 800 series (other than the 800 service access code) calls are designated in National Exchange Carrier Association, Inc. Tariff FCC No. 4, Wire Center Information. All traffic originating from end offices not equipped to provide SS7 signalling and routing, not able to accommodate direct trunking of originating 800 calls or equipped with SS7 signalling but not able to accommodate direct trunking of originating 800 series (other than the 800 service access code) calls, require routing via an access tandem where SSP functionality is available.

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5. Access Ordering (Cont'd)5.2 Ordering Requirements (Cont'd)5.2.2 Special Access Service

When placing an order for Special Access Non-Competitive End User Channel Termination (EUCT) the customer must specify:

- the customer designated premises or hubs or ADM equipped wire centers involved
- type of service (e.g., Voice Grade, High Capacity, etc.);
- the channel interface(s)
- technical specification package
- options desired
- for multipoint services, the channel interface at each customer designated premises may, at the request of the customer, be different but all such interfaces shall be compatible
- that the traffic consists of more than ten percent interstate traffic.

All part-time Program Audio Non-Competitive EUCT is subject to a service inquiry. A service inquiry is a request to the Company to determine if facilities exist to provide the service ordered and to determine the service date on which service can be provided to the customer.

Where the Special Access Non-Competitive EUCT is exempt from the Special Access Surcharge, as set forth in 7.3 following the customer shall furnish written certification to that effect as set forth in 7.3.3 following.

When ordering bridging, the Customer must specify the company hub(s) from which they desire service. The Customer must specify only those hubs that provide the type of service ordered and interconnect with the wire center(s) from which the customer requires service. The Wire Center section of National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4 identifies hub types and multiplexing functions (e.g., Digital Data, High Capacity) as well as hub levels (i.e., Hub, Terminus Hub, Intermediate Hub and Super-Intermediate Hub). Additionally, the Subtending section of Tariff F.C.C. No. 4 identifies wire centers and the Intermediate and/or Super-Intermediate Hubs with which they interconnect.

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5. Access Ordering (Cont'd)5.2 Ordering Requirements (Cont'd)5.2.2 Special Access Service (Cont'd)

There is one Special Access Optional Rate Plan that offers term discounts: a High Capacity Optional Rate Plan as described in Section 7.2.8(A), following.

When ordering High Capacity Term Discount Optional Rate Plan or an upgrade to the plan, discontinuance charges, as specified in 7.2.8(A)(1), following, will not apply if the conditions set forth in 7.2.8(A)(1) following are met and the customer provides the following ordering information:

Term Discounts-Upgrades in Capacity (DS1 to DS3)

- The customer's order for the disconnect of the existing DS1 Service and the installation of the new DS3 Service are received at the same time and specifically reference the application of upgrade in capacity.
- The customer's disconnect order for the existing DS1 Service must reference the DS3 Service installation order.

Customer orders to install and disconnect DS1 or DS3 services provided under a Term Discount plan where the number of DS1s or DS3s remains constant and the customer wishes to maintain the existing Term Discount period and minimum service period must:

- Be received at the same time; and
- Reference continuation of the existing Term Discount period and the minimum service period on both the installation and disconnect orders.

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5. Access Ordering (Cont'd)5.2 Ordering Requirements (Cont'd)5.2.3 WATS or WATS-Type Services

Special Access Non-Competitive End User Channel Termination (EUCT) may be ordered for connection with FGA, FGB, FGC or FGD Switched Access Service at Company designated WATS Serving Offices (WSOs) for the provision of WATS or WATS-type Services and may be ordered separately by a customer other than the customer who orders the FGA, FGB, FGC or FGD Switched Access Service. For the Special Access Non-Competitive EUCT the customer shall specify:

- the customer designated premises at which the Special Access Non-Competitive EUCT terminates;
- the type of line (i.e., two-wire or four-wire);
- the type of calling (i.e., originating, terminating or two-way); and
- type of Supervisory Signaling.

When the optional screening, switching and/or recording functions are not provided at the customer serving wire center, Channel Mileage, which can be accessed on the Company's website or the Company's other designated locations, must be ordered between that wire center and the nearest WSO where the screening, switching and/or recording functions can be provided.

5.2.4 Mixed Use Facilities - Switched Access Service and Special Access Non-Competitive End User Channel Termination (EUCT)

Mixed use is the provision of both Switched Access Service and Special Access Non-Competitive EUCT over the same High Capacity facilities. Mixed use facilities to a hub will be ordered and provided as Special Access Non-Competitive EUCT. Where mixed use is employed, individual services utilizing these facilities must be ordered either as Switched Access Service or Special Access Non-Competitive EUCT as further elaborated and set forth in 6.4.7 and 7.2.7 following. 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. Access Ordering (Cont'd)5.2 Ordering Requirements (Cont'd)5.2.5 Miscellaneous Services

Testing Service, Additional Labor, Telecommunications Service Priority and Special Facilities Routing shall be ordered with an Access Order or may subsequently be added to a pending order at any time up to and including the service date for the access service. When miscellaneous services are added to a pending order a service date change may be required. When a service date change is required, the service date change charge as set forth in 17.4.1(B) following will apply. When miscellaneous services are added to a pending order, charges for a design change as set forth in 17.4.1(C) following will apply when an engineering review is required. If both a service date change and an engineering review are required, both the Service Date Change Charge and the Design Change Charge will apply as set forth in 5.4.3 (B) following.

The rates and charges for these services, as set forth in Section 17 of this tariff, will apply in addition to the ordering charges set forth in Section 17, and the rates and charges for the Access Service with which they are associated.

Additional Engineering is not an ordering option, but will be applied to an Access Order when the Telephone Company determines that Additional Engineering is necessary to accommodate a customer request. Additional Engineering will only be required as set forth in 13.1 following. 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 Telephone 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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5. Access Ordering (Cont'd)5.3 Access Orders For Services Provided By More Than One Telephone Company

Access Services provided by more than one Telephone Company are services where one end of the Local Transport, Direct Transport or Channel Mileage element is in the operating territory of one Telephone Company and the other end of the element is in the operating territory of a different Telephone Company or where the Interim NXX Translation service and the end office are not provided by the same Telephone Company.

The ordering procedure for this service is dependent upon the billing arrangement, as set forth in 2.4.7 preceding, to be used by the Telephone Companies involved in providing the Access Service. The Telephone Company will notify the customer which of the ordering procedures will apply.

5.3.1 Non Meet Point Billing Ordering - FGA(A) Single Company Billing Ordering

The Telephone 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)(1). The customer will place the order with the Telephone Company as follows:

For FGA Switched Access Service the customer will place the order with the Telephone Company in whose territory the first point of switching is located. The first point of switching is the dial tone office.

When the first point of switching is not in the same Telephone Company's territory as the Interexchange Carrier premises, the customer must supply a copy of the order to the Telephone Company in whose territory the Interexchange Carrier premises is located and any other Telephone Company(s) involved in providing the service. When service is provided through a centralized equal access provider, the customer must supply a copy of the order to that provider.

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5. Access Ordering (Cont'd)5.3 Access Orders For Services Provided By More Than One Telephone Company (Cont'd)5.3.2 Meet Point Billing Ordering

Each Telephone Company will provide its portion of the Access Service within its operating territory to an interconnection point(s) with the other Telephone Company(s). Billing Percentages will be determined by the Telephone Companies involved in providing the Access Service and listed in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4. Each Telephone Company will bill the customer for its portion of the service as set forth in 2.4.7. All other appropriate charges in each Telephone Company tariff are applicable.

For the service(s) ordered as set forth following, the customer must also supply a copy of the order to the Telephone Company in whose operating territory a customer designated premises is located and any other Telephone Company(s) involved in providing the service. Additionally, when service is provided through a centralized equal access provider, the customer must supply a copy of the order to that provider.

- (A) For Feature Group A and B Switched Access Services, the customer must place an order with the Telephone Company in whose territory the first point of switching is located, (i.e., FGA - dial tone office, FGB - access tandem or end office). The Telephone Company will designate the first point(s) of switching for FGB Services where the Telephone Company elects to provide equal access through a centralized equal access arrangement. Those Telephone Company offices providing equal access through centralized arrangements are identified in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4.
- (B) For Feature Group C and D Switched Access Services, the customer must place an order with the Telephone Company in whose territory the end office is located. Customers may, at their option, order FGD to the access tandem. When ordered to the access tandem, and the access tandem and the end office are not in the same Telephone Company operating territory, the customer must also supply a copy of the order to each additional Telephone Company subtending the access tandem.

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5. Access Ordering (Cont'd)5.3 Access Orders For Services Provided By More Than One Telephone Company (Cont'd)5.3.2 Meet Point Billing Ordering (Cont'd)

- (C) Customers ordering Special Access Non-Competitive End User Channel Termination (EUCT) to be interconnected with Switched Access Services at Company designated WATS Serving Offices for the provision of WATS or WATS-type Services must place an order with each Company in whose territory the end office and the WATS Serving Office are located, if they are not collocated.
- (D) Except for Special Access Non-Competitive EUCT as set forth in (C) above or as set forth in (E) below, the customer may place the order for a Special Access Non-Competitive EUCT with either Exchange Telephone Company.
- (E) For Special Access Service involving a hub(s) the customer must place the order with the Company(s) in whose territory the hub(s) is located.
- (F) For Directory Assistance Service, the customer must place an order with the Company in whose territory the Directory Assistance Location is located.
- (G) For initiation, additions, changes or deletions to the Interim NXX Translation code(s), the customer must place an order with the Company who provides the Interim NXX Translation. The customer must also provide a copy of the order to the Companies subtending the Interim NXX Translation office.

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5. Access Ordering (Cont'd)5.4 Charges Associated with Access Ordering5.4.1 Access Order Charge

The Access Order Charge is applied to all customer requests for new Special Access Non-Competitive End User Channel Terminations (EUCT), Switched Access Service and Directory Assistance. In addition, the Access Order Charge is applicable to customer requests for additions, changes or rearrangements to existing Special Access Non-Competitive EUCT, Switched Access Service and Directory Assistance Service. with the following exceptions:

The Access Order Charge does not apply:

- When a Service Date Change Charge is applicable;
- When a Design Change Charge is applicable;
- To administrative changes as set forth in 6.4.1(B)(3) and 7.2.2(C)(3) following;
- When a change to a pending order does not result in the cancellation of the pending order and the issuance of a new order;
- When the Interim NXX Translation charge is applicable;
- When a Miscellaneous Service Order Charge is applicable;
- When a PIC Change Charge is applicable;
- When a Company initiated network reconfiguration requires a customer's existing access service to be reconfigured.
- When a service with an ICB rate is converted to a similar service with a non-ICB tariff rate prior to the expiration of the ICB.
- When a Billing Name and Address Order charge is applicable.
- When a 900 Blocking Service charge is applicable.
- When a customer with a Special Access DS3 Capacity Discount converts to Special Access Synchronous Optical Channel Service.

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5. Access Ordering (Cont'd)5.4 Charges Associated with Access Ordering5.4.1 Access Order Charge (Cont'd)

The Access Order Charge does not apply (Cont'd):

- When Payphone Service Providers (PSPs) obtain Coin Supervision Additive Service in conjunction with local exchange service lines for the provision of pay telephone service.
- To Local Number Portability (LNP) Services as set forth in Section 13.11, following.
- To Government Emergency Telecommunications Service (GETS) as set forth in Section 10.5.1(C), following.

The Access Order Charge will be applied on a per order basis to each order received by the Company or copy of an order received by the Company pursuant to 5.3.1 preceding and 5.3.2 preceding, except by the Company applying the Interim NXX Translation charge, and is in addition to other applicable charges as set forth in this and other sections of this tariff.

The Access Order Charge will be applied on a per order basis for any change, rearrangement or addition to the delivery of signaling to an existing STP Port. The Access Order Charge will be applied on a per order basis for any change, rearrangement or addition of CICs to an existing Feature Group B or Feature Group D trunk.

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5. Access Ordering (Cont'd)5.4 Charges Associated with Access Ordering (Cont'd)5.4.2 Miscellaneous Service Order Charge

A Miscellaneous Service Order Charge, as set forth in 17.4.1(D) following, applies to any service, or combination of services, ordered simultaneously from Section 13. of the tariff for which a service order is not already pending (with the exception of Presubscription (13.4), 900 Blocking Service (13.6), Billing Name and Address Service (13.7), and Local Number Portability Services (13.11), which does not have the charge applied). The Miscellaneous Service Order Charge is an administrative charge designed to compensate for the expenses associated with service order issuance.

The charge always applies to the following services since a pending service order would not exist:

- Overtime Repair (13.2.2);
- Standby Repair (13.2.3);
- Testing and Maintenance with Other Telephone Companies other than when in conjunction with Acceptance Testing (13.2.4);
- Other Labor (13.2.5); and
- Maintenance of Service (13.3.2).

The Miscellaneous Service Order Charge will also apply to the following services if they are ordered subsequent to the initial installation of the associated access service, thereby necessitating the issuance of another service order:

- Telecommunications Service Priority (13.3.3);
- Controller Arrangement [13.3.4(A)];
- International Blocking Service (13.6.1)
- Originating Line Screening (OLS) Service (13.8).

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5. Access Ordering (Cont'd)5.4 Charges Associated with Access Ordering (Cont'd)5.4.2 Miscellaneous Service Order Charge (Cont'd)

The charge does not apply to the following services since there would exist a pending service order:

- Additional Engineering (13.1);
- Overtime Installation (13.2.1);
- Standby Acceptance Testing (13.2.3);
- Testing and Maintenance with Other Telephone Companies when in conjunction with Acceptance Testing (13.2.4);
- Additional Cooperative Acceptance Testing (13.3.1(A)(1) and 13.3.1(B)(1)); and
- Coin supervision Additive Service (13.10).

5.4.3 Access Order Change Charges

Access Order changes involve service date changes and design changes. The customer may request a change of its Access Order prior to the service date. The Company will make every effort to accommodate a requested change when it is able to do so with the normal work force assigned to complete such an order within normal business hours. If the change 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 Order change, the Company will schedule a new service date as set forth in 5.1.2 preceding. All charges for Access Order change as set forth in 17.4.1(B) and (C) will apply on a per occurrence basis.

Any increase in the number of ordered: (1) Special Access Non-Competitive End User Channel Termination (EUCT), (2) Switched Access Service lines, trunks, or busy hour minutes of capacity, or (3) CCS/SS7 Port Terminations will be treated as a new Access Order (for the increased amount only).

If order changes 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 change charges being incurred by the customer.

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5. Access Ordering (Cont'd)5.4 Charges Associated with Access Ordering (Cont'd)5.4.3 Access Order Change Charges (Cont'd)(A) Service Date Change

The customer may request a change of service date on a pending Access Order prior to the service date. A change of service date is a change of the scheduled service date by the customer to either an earlier date or a later date which does not exceed 60 calendar days from the original service date.

If the Telephone Company determines that the customer's request can be accommodated without delaying the service dates for orders of other customers, the service date will be changed and the Service Date Change Charge, as set forth in 17.4.1(B) following, will be applied to the order.

If the service date is changed to an earlier date, the customer will be notified by the Telephone Company that Expedited Order Charges as set forth in 5.1.2, preceding, apply. Such charges will apply in addition to the Service Date Change Charge.

If the requested service date exceeds 60 calendar days following the original service date, and the Telephone Company determines that the customer's request can be accommodated, the Telephone Company will cancel the original order and apply the Cancellation Charges as set forth in 5.5.3 following. A new Access Order with a new service date will be issued. The Service Date Change Charge will not apply; however, the Access Order Charge will apply to the new order.

If the service date is changed due to a design change as set forth in (B) following, the Service Date Change Charge will apply.

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5. Access Ordering (Cont'd)5.4 Charges Associated with Access Ordering (Cont'd)5.4.3 Access Order Change Charges (Cont'd)(B) Design Change

The customer may request a design change to the service ordered prior to the requested service date. A design change is any change to an Access Order 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 type of Transport Termination (Switched Access only), type of channel interface, type of Interface Group or technical specification package. Design changes do not include a change of customer designated premises, first point of switching, Feature Group type or Special Access 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 the change 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 as set forth in 17.4.1(C) following will apply in addition to the charge for Additional Engineering as set forth in 17.4.2 following. If a change of service date is required, the Service Date Change Charge as set forth in 17.4.1(B) following will also apply. The Access Order Charge as specified in 17.4.1 following does not apply.

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5. Access Ordering (Cont'd)5.5 Minimum Periods and Cancellations5.5.1 Minimum Periods

The minimum period for Special Access part-time Program Audio Non-Competitive End User Channel Termination (EUCT) is one day as set forth in Section 7.2.4, following, 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.).

The minimum period for Switched Access Service High Capacity DS3 Entrance Facilities and Direct Trunked Transport is as set forth in Section 6.1.3(A), following. The minimum period for Special Access High Capacity Non-Competitive EUCT is set forth in Sections 7.2.4 and 7.2.8, following.

The minimum period for which Directory Assistance Service and the Directory Access Service is provided and for which charges apply is six months. A minimum period of six months applies for each additional period of service ordered or extended.

Switched Access Service usage rated services (i.e., End Office and Tandem Switched Transport) have no minimum period.

The minimum period for which all other Access Service is provided and for which charges are applicable, is one month.

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5. Access Ordering (Cont'd)5.5 Minimum Period and Cancellations (Cont'd)5.5.2 Development of Minimum Period Charges

When Access Service is disconnected after commencement of service but 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.

The Minimum Period Charge for monthly billed services will be determined as follows:

- (A) For flat-rated Switched Access Service, the charge for a month or fraction thereof is equal to the applicable recurring charges plus any nonrecurring and/or Special Construction charge(s) that may be due.
- (B) For Special Access Non-Competitive EUCT, the charge for a month or fraction thereof is the applicable monthly rates for the appropriate channel or service type plus any optional features, nonrecurring and/or special construction charge(s) that may apply.
- (C) The Minimum Period Charge for Special Access part-time Program Audio Services is the applicable daily rate for the appropriate channel type as set forth in 7.2.4 following.
- (D) The Minimum Period Charge for Directory Access Service is developed as set forth in Section 9.4.4, following.

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5. Access Ordering (Cont'd)5.5 Minimum Period and Cancellations (Cont'd)5.5.3 Cancellation of an Access Order

(A) A customer may cancel an Access Order for the installation of service on any date prior to the service date. The cancellation date is the date the Telephone Company receives written or verbal notice from the customer that the order is to be cancelled. 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 after the original service date, the customer has the choice of the following options:

- The Access Order shall be cancelled and charges set forth in (B) 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 Order.

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. Access Ordering (Cont'd)5.5 Minimum Period and Cancellations (Cont'd)5.5.3 Cancellation of an Access Order (Cont'd)

(B) When a customer cancels an Access Order for the installation of service, a Cancellation Charge will apply as follows:

(1) Installation of Switched Access Service or Special Access Non-Competitive End User Channel Termination (EUCT) Service facilities is considered to have started when the Company incurs any cost in connection therewith or in preparation thereof which would not otherwise have been incurred.

(2) Where the customer cancels an Access Order prior to the start of installation of access facilities, no charges shall apply.

(3) Where installation of access facilities has been started prior to the cancellation, the charges specified in (a) or (b) following, whichever is lower, shall apply.

(a) A charge equal to the costs incurred in such installation, less estimated net salvage. Such costs include the non-recoverable cost of equipment and material ordered, provided or used, plus the non-recoverable cost of installation and removal including the costs of engineering, labor, supervision, transportation, rights-of-way and other associated costs; or

(b) The minimum period charges for Switched Access Service or Special Access Non-Competitive EUCT ordered by the customer, as set forth in 5.5.2 preceding.

(C) When a customer cancels an order for the discontinuance of service, no charges apply for the cancellation.

(D) If the Company misses a service date by more than 30 days and such delay is not requested or caused by the customer (excluding those circumstances where the date is missed due to acts of God, governmental requirements, work stoppages and civil commotions), the customer may cancel the Access Order without incurring cancellation charges.

5.5.4 Partial Cancellation Charge

Any decrease in the number of ordered: (1) Special Access Non-Competitive End User Channel Termination (EUCT), (2) Switched Access Service lines, trunks, or busy hour minutes of capacity or (3) CCS/SS7 Port Terminations will be treated as a partial cancellation and charges will be determined as set forth in Section 5.5.3(B), preceding.

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6. Switched Access Service6.1 General

Switched Access Service, which is available to customers for their use in furnishing their services to end users, provides a two-point communications path between a customer designated premises and an end user's premises. It provides for the use of common terminating, switching, and trunking facilities and for the use of 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 designated premises, and to terminate calls from a customer designated premises to an end user's premises in the LATA where it is provided. Specific references to material describing the elements of Switched Access Service are provided in 6.1.3 and 6.5 through 6.9 following.

Rates and charges for Switched Access Service depend generally on the specific Feature Group ordered by the customer, e.g., for MTS or WATS services or MTS/WATS equivalent services. Rates and charges for Switched Access Service are set forth in 17.2 following. The application of rates for Switched Access Service is described in 6.4 following. Rates and charges for services other than Switched Access Service, e.g., a customer's interLATA toll message service, may also be applicable when Switched Access Service is used in conjunction with these other services. Descriptions of such applicability are provided in 6.4.5, 6.4.9, 6.5.1(H), 6.5.3, 6.6.1(G), 6.6.2(D), 6.7.1(F) and 6.8.1(E) following. Finally, a credit is applied against line side Switched Access Service charges as described in 6.4.8 following.

Switched Access Service purchased from the provisions of this tariff may be commingled with unbundled network elements or unbundled network element combinations 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).

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6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.1 Description and Provision of Switched Access Service Arrangements(A) Description

Switched Access Service is provided in four different Feature Group arrangements which are service categories of standard and optional features. These are differentiated by their technical characteristics, e.g., line side vs. trunk side connection at the Telephone Company first point of switching. They are also differentiated by optional feature availability and the manner in which the end user accesses them in originating calling, e.g., with or without access codes of various lengths and digits.

The provision of each Feature Group requires Local Transport facilities including an Entrance Facility where required and the appropriate End Office functions. In addition, Special Access Service may, at the option of the customer, be connected with Feature Groups A, B, C, or D at Telephone Company designated WATS Serving Offices.

There are three specific transmission specifications (i.e., Types A, B and C) that have been identified for the provision of Feature Groups. The technical specifications for the Entrance Facility and Direct Trunked Transport are the same as those set forth in Section 7 following for Voice Grade and High Capacity services. The specifications provided are dependent on the Interface Group and the routing of the service, i.e., whether the service is routed directly to the end office or via an access tandem. The parameters for the transmission specifications are set forth in 15.1.2 following.

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6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.1 Description and Provision of Switched Access Service Arrangements (Cont'd)(A) Description (Cont'd)

Feature Groups are arranged for either originating, terminating or two-way calling, based on the customer end office switching capacity ordered. Originating calling permits the delivery of calls from Telephone Exchange Service locations to the customer designated premises. Terminating calling permits the delivery of calls from the customer designated premises to Telephone Exchange Service locations. Two-way calling permits the delivery of calls in both directions, but not simultaneously. The Telephone Company will determine the type of calling to be provided unless the customer requests that a different type of directional calling is to be provided. In such cases, the Telephone Company will work cooperatively with the customer to determine the directionality.

There are various optional features associated with Local Transport, Common Switching and Transport Termination available with the Feature Groups. In addition, the Interim NXX Translation and Operator Transfer Service optional features are available with Feature Group C and Feature Group D.

Operator Transfer Services will be provided over FGC or FGD switched access service trunks from the operator service location to the customer's premises. Where required by technical limitations, a separate FGC or FGD trunk group will be established for Operator Transfer Service. The operator service location will provide trunk answer and disconnect supervisory signaling to the customer.

Detailed descriptions of each of the available Feature Groups are set forth in 6.5 through 6.8 following. Each Feature Group is described in terms of its specific physical characteristics and calling capabilities, the optional features available for use with it and the standard testing capabilities.

The Common Switching and Transport Termination optional features, which are described in 6.9 following, unless specifically stated otherwise, are available at all Telephone Company end office switches.

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6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.1 Description and Provision of Switched Access Service Arrangements (Cont'd)(B) Manner of Provision

Switched Access is furnished in either quantities of lines or trunks, or in busy hour minutes of capacity (BHMCs). FGA Access and FGB Access are furnished on a per-line or per-trunk basis respectively. FGC Access and FGD Access are furnished on a BHMC basis and on a per trunk basis as set forth in 5.2 preceding.

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 three major BHMC categories identified as: Originating, Terminating and Directory Assistance. Originating BHMCs represent access capacity within a LATA for carrying traffic from the end user to the customer; Terminating BHMCs represent access capacity within a LATA for carrying traffic from the customer to the end user; and, Directory Assistance BHMCs represent access capacity within a LATA for carrying Directory Assistance traffic from the customer to a Directory Assistance location. When ordering capacity for FGC Access or FGD Access in BHMCs, the customer must at a minimum specify such access capacity in terms of Originating BHMCs and/or Terminating BHMCs.

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6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.1 Description and Provision of Switched Access Service Arrangements (Cont'd)(B) Manner of Provision (Cont'd)

Because some customers will wish to further segregate their originating traffic into separate trunk groups, or because segregation may be required by network considerations originating BHMCs are further categorized into Domestic, 700, Toll Free Code (TFC) series, 900, Operator, IDDD and Operator Transfer Services. Domestic BHMCs represent access capacity for carrying only domestic traffic other than 700, TFC series, 900, Operator and Operator Transfer Services traffic; IDDD BHMCs represent access capacity for carrying only international traffic; and, 700, TFC series, 900, Operator and Operator Transfer Services BHMCs represent access capacity for carrying, respectively, only 700, TFC series, 900, Operator or Operator Transfer Services traffic. When ordering such types of access capacity, the customer must specify Domestic, 700, TFC series, 900, Operator, IDDD or Operator Transfer Services BHMCs.

6.1.2 Ordering Options and Conditions

Switched Access Service is ordered under the Access Order provisions set forth in 5.2 preceding. Also, included in that section are regulations concerning miscellaneous service order charges which may be associated with Switched Access Service ordering (e.g., Service Date Changes, Cancellations, etc.).

6.1.3 Rate Categories

There are three rate categories which apply to Switched Access Service:

- Local Transport (described in 6.1.3(A) following)
- End Office (described in 6.1.3(B) following)
- Chargeable Optional Features (described in 6.1.3(C) following)

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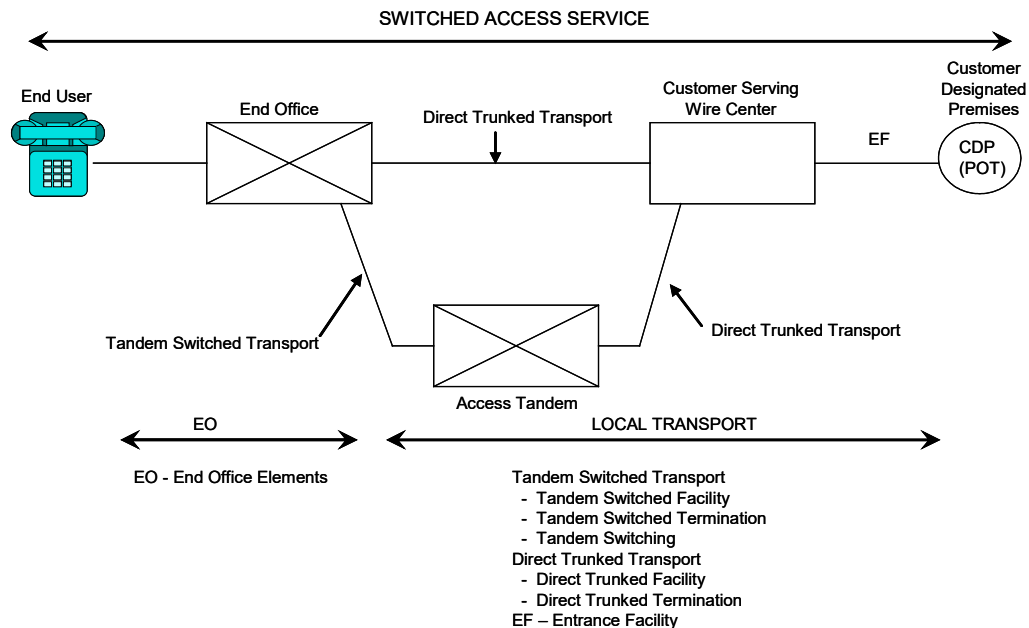
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6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.3 Rate Categories (Cont'd)

The following diagram depicts a generic view of the components of Switched Access Service and the manner in which the components are combined to provide a complete Access Service.



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6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.3 Rate Categories (Cont'd)(A) Local Transport

The Local Transport rate category establishes the charges related to the transmission and tandem switching facilities between the customer designated premises and the end office switch(es), which may be a Remote Switching Module(s) or WATs Serving Office, where the customer's traffic is switched to originate or terminate the customer's communications. Mileage measurement rules are set forth in 6.4.6 following and in this section.

Local Transport is a two-way voice frequency transmission path composed of facilities determined by the Telephone Company. The two-way voice frequency transmission path permits the transport of calls in the originating direction (from the end user end office switch to the customer designated premises) and in the terminating direction (from the customer designated premises to the end office switch), but not simultaneously. The voice frequency transmission path may be comprised of any form or configuration of plant capable of and typically used in the telecommunications industry for the transmission of voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hz. The customer must specify the choice of facilities (i.e., Voice Grade 2 or 4 wire or High Capacity DS1 or DS3) to be used in the provision of the Direct Trunked Transport or Entrance Facility.

The customer must specify when ordering (1) whether the service is to be directly routed to an end office switch or through an access tandem switch, and (2) the type of Direct Trunked Transport and whether it will overflow to Tandem Switched Transport when service is directly routed to an end office, (3) the type of Entrance Facility, (4) the directionality of the service, and (5) when multiplexing is required, the hub(s) at which the multiplexing will be provided.

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6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.3 Rate Categories (Cont'd)(A) Local Transport (Cont'd)

When the customer has both Tandem Switched Transport and Direct Trunked Transport at the same end office that is not collocated with a tandem, the customer will be provided Alternate Traffic Routing as set forth in 6.4.6 following.

Direct Trunked Transport is available at all tandems and at all end offices except those end offices identified in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4, as not having the capability to provide Direct Trunked Transport. Direct Trunked Transport is not available: (1) from end offices that provide equal access through a centralized equal access arrangement, (2) from end offices that lack recording or measurement capability.

Normally, Direct Trunked Transport of originating TFC series type calls from an end office is available only from Service Switching Point (SSP) equipped end offices. However, certain non-SSP equipped end offices can accommodate direct trunking of originating TFC series type calls. These end offices are also identified in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4.

Unless otherwise ordered by the F.C.C., where the Telephone Company elects to provide equal access through a centralized equal access arrangement, the Telephone Company will designate the serving wire center. The designated SWC will normally be that wire center which provides dial tone to the telephone company centralized Equal Access tandem office identified in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4.

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6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.3 Rate Categories (Cont'd)(A) Local Transport (Cont'd)

Local Transport is provided at the rates and charges set forth in 17.2.2 following. The application of these rates with respect to individual Feature Groups is as set forth in 6.4.1(C) following.

The Local Transport Rate Category includes four classes of rate elements:

- (1) Entrance Facility,
- (2) Direct Trunked Transport,
- (3) Tandem Switched Transport, and
- (4) Multiplexing.

(1) Entrance Facility

The Entrance Facility recovers a portion of the costs associated with a communications path between a customer designated premises and the serving wire center of that premises. Included as part of the Entrance Facility 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 customer designated premises and the type of signaling capability, if any.

Three types of Entrance Facility are available:

- Voice Grade 2 or 4 wire-an analog channel with an approximate bandwidth of 300 to 3000 Hz;
- High Capacity DS1—an isochronous serial digital channel with a rate of 1.544 Mbps;
- High Capacity DS3—an isochronous serial digital channel with a rate of 44.736 Mbps;

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6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.3 Rate Categories (Cont'd)(A) Local Transport (Cont'd)(1) Entrance Facility (Cont'd)

The minimum period for which a High Capacity DS3 is provided is twelve months.

One charge applies for each Entrance Facility that is terminated at a customer designated premises. This charge specified in Section 17.2.2, following, will apply even if the customer designated premises and the serving wire center are collocated in a Telephone Company building, except as provided for below.

The Entrance Facility charge specified in Section 17.2.2, following, will not apply when: 1) the customer designated premises and serving wire center are physically (including caged, cageless, shared and adjacent arrangements) or virtually collocated as those terms are used in 47 C.F.R. § 51.323 and (2) the customer obtains such collocation for the purpose of interconnection with the Telephone Company's network for the transmission and routing of telephone exchange service, exchange access or both, and for the purpose of providing local exchange or exchange access services to its customers.

A customer's Local Transport may be connected to the Entrance Facility of another customer, providing the other customer submits a Letter of Authorization for this connection and assumes full responsibility for the cost of the Entrance Facility.

(2) Direct Trunked Transport

The Direct Trunked Transport rate elements recover a portion of the cost associated with the communications path between a serving wire center and an end office or serving wire center and a tandem on circuits dedicated to the use of a single customer between:

- the serving wire center and an end office,
- the serving wire center and a tandem,
- the serving wire center and a hub,
- a hub and an end office,

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6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.3 Rate Categories (Cont'd)(A) Local Transport (Cont'd)(2) Direct Trunked Transport (Cont'd)

- the serving wire center and an ADM equipped wire center where add/drop multiplexing functions are performed,
- an ADM equipped wire center and an end office.

Direct Trunked Transport is available to all tandems and to all end offices except those end offices identified in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4, Wire Center Information as not having the capability to provide Direct Trunked Transport.

Direct Trunked Transport is not available: (1) from end offices that provide equal access through a centralized equal access arrangement, (2) from end offices that lack recording or measurement capability.

Normally, Direct Trunked Transport of originating 800 series type calls from an end office is available only from Service Switching Point (SSP) equipped end offices. However, certain non-SSP equipped end offices can accommodate direct trunking of originating 800 series type calls. These end offices are also identified in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4.

Three types of Direct Trunked Transport are available:

- Voice Grade 2 or 4 wire—an analog channel with an approximate bandwidth of 300 to 3000 Hz;
- High Capacity DS1—an isochronous serial digital channel with a rate of 1.544 Mbps;
- High Capacity DS3—an isochronous serial digital channel with a rate of 44.736 Mbps;

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6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.3 Rate Categories (Cont'd)(A) Local Transport (Cont'd)(2) Direct Trunked Transport (Cont'd)

High Capacity DS3 Direct Trunked Transport cannot be terminated at end offices that are not identified as hub offices that provide DS3 to DS1 multiplexing. Additionally, DS1 Direct Trunked Transport cannot be terminated at end offices that are not identified as hub offices that provide DS1 to Voice Grade multiplexing or are not electronic end offices. Offices that provide multiplexing are identified in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4, Wire Center Information.

Offices that provide multiplexing and add/drop multiplexing functions are identified in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4, Wire Center Information.

Direct Trunked Transport rates consist of a Direct Trunked Facility rate specified in Section 17.2.2 following which is applied on a per mile basis and a Direct Trunked Termination rate which is applied at each end of each measured segment of the Direct Trunked Facility (e.g., at the end office, hub, tandem, and serving wire center). When the Direct Trunked Facility mileage is zero, neither the Direct Trunked Facility rate nor the Direct Trunked Termination rate will apply.

The Direct Trunked Facility rate recovers a portion of the costs of transmission facilities, including intermediate transmission circuit equipment, between the end points of the interoffice circuits.

The Direct Trunked Termination rate specified in Section 17.2.2 following recovers a portion of the costs of the circuit equipment that is necessary for the termination of each end of the Direct Trunked Facility.

The minimum period for which High Capacity DS3 ⁽¹⁾ Direct Trunk Transport is provided is twelve months.

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6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.3 Rate Categories (Cont'd)(A) Local Transport (Cont'd)(3) Tandem Switched Transport (Cont'd)

The Tandem Switched Transport rate elements recover tandem switching costs and a portion of the costs associated with the communications path between a tandem and an end office on circuits that are switched at a tandem switch, or between a host and a remote switch. 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 17.2.2.

Tandem Switched Transport rates consist of a Tandem Switching rate, a Tandem Switched Facility rate, a Tandem Switched Termination rate, Dedicated Trunk Port Rates and Common/Shared Multiplexing. The Tandem Switching rate is applicable at the Tandem, when a customer orders Direct Trunk Transport to the tandem and Tandem Switched Transport from the tandem to the end office.

In those instances where an SSP equipped end office is capable of handling TFC traffic on a direct trunked basis but incapable of handling TFC series (other than the TFC service access code) traffic on a direct trunked basis, a full credit will be provided for tandem switched transport charges associated with FGC and FGD service for 888 traffic delivered at the tandem. This results in all TFC series traffic being rated as direct trunked transport regardless of whether the SSP equipped end office is capable of handling TFC series (other than the TFC service access code) traffic on a direct trunked basis.

Those SSP equipped end offices that cannot accommodate direct trunking of originating TFC series (other than the TFC service access code) traffic are identified in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4, Wire Center Information.

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6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.3 Rate Categories (Cont'd)(A) Local Transport (Cont'd)(3) Tandem Switched Transport (Cont'd)

- (a) The Tandem Switching rate recovers a portion of the costs of switching traffic through an access tandem. The Tandem Switching rate specified in 17.2.2 following is applied on a per access minute per tandem basis for all originating and all terminating minutes of use switched at the tandem. Tandem locations are identified in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4, Wire Center Information.
- (b) The Tandem Switched Facility rate recovers a portion of the costs of the transmission facilities, including intermediate transmission circuit equipment, between the end points of the interoffice circuits. The Tandem Switched Facility rate specified in Section 17.2.2 following is applied on a per access minute per mile basis for all originating and terminating minutes of use routed over the facility.
- (c) The Tandem Switched Termination rate recovers a portion of the costs of the circuit equipment that is necessary for the termination of each end of the Tandem Switched Facility. The Tandem Switched Termination rate specified in Section 17.2.2 following is applied on a per access minute basis (for all originating and terminating minutes of use routed over the facility) at each end of each measured segment of Tandem Switched Facility (e.g., at the end office, Feature Group A dial tone office, host office, tandem, and serving wire center). When the Tandem switched Facility mileage is zero, neither the Tandem Switched Facility rate nor the Tandem Switched Termination rate will apply.
- (d) The Dedicated Trunk Port is applicable to the purchase of dedicated trunks terminated by that port. The Dedicated Trunk Port provides for the termination of a dedicated trunk at the end office or access tandem. The Dedicated Trunk Port is a flat rated charge assessed on a per channel basis. The rate is determined based on whether the trunk is voice grade or DS1.

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6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.3 Rate Categories (Cont'd)(A) Local Transport (Cont'd)(3) Tandem Switched Transport (Cont'd)

- (e) Common/Shared Multiplexing provides for the use of the multiplexing equipment at the remote, the end office, and at the access tandem. The common transport multiplexing rate element is assessed on a per minute of use basis at the access tandem.

(4) Multiplexing

Multiplexing provides an arrangement for converting a single, higher capacity or bandwidth circuit to several lower capacity or bandwidth circuits.

When a derived channel is itself multiplexed to derive additional channels with a lesser capacity, this is referred to as cascade multiplexing. When cascade multiplexing occurs, a charge for the additional multiplexing function applies. When cascade multiplexing is performed at different hubbing locations, Direct Trunked Transport charges also apply between the hubs.

Multiplexing is only available at wire centers identified in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4, Wire Center Information.

The following multiplexing arrangements are offered for use with Switched Access Service.

- (a) DS3 to DS1 Multiplexing charges specified in Section 17.2.2, following, apply when a High Capacity DS3 Entrance Facility or High Capacity DS3 Direct Trunked Transport is connected with High Capacity DS1 Direct Trunked Transport. The DS3 to DS1 multiplexer will convert a 44.736 Mbps channel to 28 DS1 channels using digital time division multiplexing.

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6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.3 Rate Categories (Cont'd)(A) Local Transport (Cont'd)(4) Multiplexing (Cont'd)

- (b) DS1 to Voice Grade Multiplexing charges specified in Section 17.2.2, following, apply when a High Capacity DS1 Entrance Facility or High Capacity DS1 Direct Trunked Transport is connected with Voice Grade Direct Trunked Transport. However, a DS1 to Voice Grade Multiplexing Charge does not apply when a High Capacity DS1 Entrance Facility or High Capacity DS1 Direct Trunked Transport is terminated at an electronic end office and only Switched

Access Service is provided over the DS1 facility (i.e., Voice Grade Special Access channels are not derived). The DS1 to Voice Grade multiplexer will convert a 1.544 Mbps channel to 24 Voice Grade channels.

(5) Reserved for Future Use(6) Reserved for Future Use(7) Interface Groups

Ten Interface Groups are provided for terminating the Entrance Facility at the customer's designated premises. Technical specifications concerning the available interface groups are set forth in Section 15.1, following.

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6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.3 Rate Categories (Cont'd)(A) Local Transport (Cont'd)(8) Nonchargeable Optional Features

Where transmission facilities permit, the individual transmission path between the customer's designated premises and the first point of switching, may at the option of the customer, be provided with the following optional features as set forth and described in Section 15.1.1(E), following.

- Supervisory Signaling
- Customer Specified Entry Switch Receive Level
- Customer Specification of Local Transport Termination
- 64 Clear Channel Capability

In addition to the above, Shared SONET Interoffice Ring Transport (SSRIT) is available as a nonchargeable optional feature with High Capacity DS3 from wire centers identified in the National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4, Wire Center Information. The SSRIT feature is set forth and described on the Company's website or other designated Company locations.

When a customer subscribes to Common Channel Signaling (SS7) Network Connection Service (CCSNC Service), the following optional features are made available and are described in Section 6.10.1, following.

- Signaling System 7 (SS7) Signaling
- Calling Party Number
- Carrier Selection Parameter
- Charge Number Parameter
- Carrier Identification Parameter

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6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.3 Rate Categories (Cont'd)(A) Local Transport (Cont'd)(9) Chargeable Optional Features

Common Channel Signaling, Signaling System 7 (CCS/SS7) Network Connection (CCSNC) Service provides a signaling path between a customer's designated Signaling Point of Interface (SPOI) and a Telephone Company's Signaling Transfer Point (STP). CCSNC is provided as set forth in Section 6.10.3 following.

TFC Data Base Access Service is provided to all customers in conjunction with FGC and FGD switched access service. A Basic or Vertical Feature Query charge, as set forth in Section 17.2.2 (B), following, is assessed for each completed query returned from the TFC data base whether or not the actual call is delivered to the customer. The query is considered completed when the appropriate call routing information is returned to the Service Switching Point (SSP) that launched the query. The Basic Query provides the identification of the customer to whom the call will be delivered and includes area of service routing which allows routing of TFC series calls by telephone companies to different interexchange carriers based on the Local Access Transport Area (LATA) in which the call originates. The Vertical Feature Query provides this same customer identification function in addition to vertical features which may include: (1) call validation (ensuring that calls originate from subscribed service areas); (2) POTS translation of TFC series numbers (which is generally necessary for the routing of TFC series calls); (3) alternate POTS translation (which allows subscribers to vary the routing of TFC series calls based on factors such as time of day, place of origination of the call, etc.); and (4) multiple carrier routing (which allows subscribers to route to different carriers based on factors similar to those in (3)).

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6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.3 Rate Categories (Cont'd)(B) End Office

The End Office rate category establishes the charges related to 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, Dedicated Trunk Port and Shared Trunk Port rate elements.

(1) Local Switching

The Local Switching rate element establishes the charges related to the use of end office switching equipment, the terminations in the end office of end user lines, the terminations of calls at Telephone Company Intercept Operators or recordings, the STP costs, and the SS7 signaling function between the end office and the Signaling Transfer Point.

Local Switching does not apply to Feature Groups B and D Switched Access Services associated with Wireless Switching Centers (WSCs) directly interconnected to a Telephone Company access tandem office.

Where end offices are appropriately equipped, international dialing may be provided as a capability associated with Local Switching which provides local dial switching for Feature Groups C and D. 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 or FGD equipped end office.

Rates for Local Switching are set forth in 17.2.3 following. The application of these rates with respect to individual Feature Groups is as set forth in 6.4.1(C) following.

There are four types of functions included in the Local Switching rate element: Common Switching, Transport Termination, Line Termination and Intercept. These are described in (a) through (d) following.

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6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.3 Rate Categories (Cont'd)(B) End Office (Cont'd)(1) Local Switching (Cont'd)(a) Common Switching

Common Switching provides the local end office switching functions associated with the various access (i.e., Feature Group) switching arrangements. The Common Switching arrangements provided for the various Feature Group arrangements are described in 6.5 through 6.9 following.

Included as part of Common Switching are various nonchargeable optional features which the customer can order to meet the customer's specific communications requirements. These optional features are described in 6.9.1 following.

(b) Transport Termination

Transport Termination functions provide for the line or trunk side arrangements which terminate the Local Transport facilities. Included as part of these functions are various nonchargeable optional termination arrangements. These optional terminating arrangements are described in 6.9.2 following.

The number of Transport Terminations provided will be determined by the Telephone Company as set forth in 6.2.5 following.

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6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.3 Rate Categories (Cont'd)(B) End Office (Cont'd)(1) Local Switching (Cont'd)(c) Line Termination

Line Termination provides for the terminations of end user lines in the local end office. There are two types of Line Terminations, i.e., Common Line Terminations and Special Access Service Terminations utilized in the provision of WATS or WATS-type services at Telephone Company designated WATS Serving Offices.

The above Special Access Service Terminations are differentiated by line side vs. trunk side terminations. In addition, there are various types of originating and terminating line side terminations depending on the type of signaling associated with the Special Access Service. Line side terminations are available with either dial pulse or dual tone multifrequency address signaling.

The number of end office switching transmission paths will be determined as set forth in 6.2.5 following.

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6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.3 Rate Categories (Cont'd)(B) End Office (Cont'd)(3) Dedicated Trunk Port Charge

The Dedicated Trunk Port charge shall apply for termination of a dedicated trunk at the access tandem or an end office. It is flat-rated and is assessed per voice grade or DS1 channel terminating at an end office or access tandem.

(4) Shared Trunk Port Charge

The Share 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.

When a Tandem-Switched Transport is provided by more than one telephone company, the Shared Trunk Port charge shall be billed by the Telephone Company in whose territory the end office is located.

(5) Information Surcharge

Information Surcharge rates (where applicable) are assessed to a customer based on per 100 access minutes. Information Surcharge rates are as set forth in Section 17 following. The number of end office switching transmission paths will be determined as set forth in 6.2.5 following.

The Information Surcharge does not apply to Feature Groups B and D Switched Access Services associated with Wireless Switching Centers (WSCs) directly interconnected to a Telephone Company access tandem office.

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6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.3 Rate Categories (Cont'd)(C) Chargeable Optional Features

Where facilities permit, the Telephone Company will, at the option of the customer, provide the following chargeable optional features.

(1) Interim NXX Translation

The Interim NXX Translation rate element provides for customer identification of non-data base services when calls are directed by end users in the 1+SAC+NXX-XXXX (e.g., 1+900+NXX-XXXX) format. The NXX codes are assigned to specific customers in conformance with the North American Numbering Plan (NANP). NXX code assignment(s) will be made by the Bellcore NANP Coordinator. The Telephone Company will use the NXX code to identify the customer to whose point of termination the traffic is to be delivered, (i.e., at appropriately equipped electronic end offices, access tandems or through contracted arrangements with other parties.) It is then the responsibility of the customer to do any further translation the customer deems necessary to route the call. Customer assigned NXX codes which have not been ordered will be blocked.

A nonrecurring charge, as set forth in 17.2.1 following, is associated with this optional feature. This nonrecurring charge is assessed by the Telephone Company on a per order, per LATA or Market Area basis and is applied in lieu of the Access Order Charge specified in 17.4.1(A) following. The nonrecurring charge is assessed only by the Telephone Company that provides the final translation function. A Telephone Company is said to have provided the final Interim NXX Translation when its translation identifies the customer's traffic and this traffic is then delivered to the customer's point of termination without any further translation. The description and application of this charge with respect to Feature Group C and Feature Group D is as set forth in 6.4.1(B)(2) and 6.4.1(C) following.

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6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.3 Rate Categories (Cont'd)(C) Chargeable Optional Features (Cont'd)(2) Operator Transfer Services

Operator Transfer Service may be provided with Feature Group C or Feature Group D Switched Access Service at Telephone Company designated Operator Services location. Operator Transfer Service is an originating service. The 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 and the customer acknowledges receipt.

In addition to the Operator Transfer Service charge described above and in 6.10.3 following, Feature Group C or Feature Group D Switched Access rates and charges as set forth in 6.4.1(B)(1) and 6.4.1(C) following and Carrier Common Line Charges set forth in 3.8.5 preceding will apply per minute of use for Operator Transfer Service.

Operator Transfer Service charges, provided for in this tariff, are applied only to those calls actually transferred by the Telephone Company to the customer's operator.

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6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.3 Rate Categories (Cont'd)(C) Chargeable Optional Features (Cont'd)(3) Toll Free Code (TFC) Series Data Base Access Service

TFC Series Data Base Access Service is provided to all customers in conjunction with FGC and FGD switched access service. When a TFC call is originated by an end user, the Telephone Company will utilize the Signaling System 7 (SS7) network to query an TFC series data base to identify the customer to whom the call will be delivered and provide vertical features based on the dialed ten digits. The call will then be routed to the identified customer over FGC or FGD switched access.

A Basic or Vertical Feature Query charge, as set forth in 17.2.2(B) following, is assessed for each query launched to the data base which identifies the customer to whom the call will be delivered. The Basic Query provides the identification of the customer to whom the call will be delivered and includes area of service routing which allows routing of TFC series type calls by telephone companies to different inter-exchange carriers based on the Local Access Transport Area (LATA) in which the call originates. The Vertical Feature Query provides the same customer identification as the basic query and vertical features which may include: (1) call validation, (ensuring that calls originate from subscribed service areas); (2) POTS translation of TFC series numbers; (3) alternate POTS translation (which allows subscribers to vary the routing of TFC series type calls based on factors such as time of day, place or origination of the call, etc.); and (4) multiple carrier routing (which allows subscribers to route to different carriers based on factors similar to those in (3)).

The description and application of this charge with respect to Feature Group C or Feature Group D is as set forth in 6.4.1(C) (8) following.

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6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.3 Rate Categories (Cont'd)(C) Chargeable Optional Features (Cont'd)(4) 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 17.2.8. The monthly recurring rate is applicable per channel. 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.

6.1.4 Special Facilities Routing

Any customer may request that the facilities used to provide Switched Access Service be specially routed. The regulations for Special Facilities Routing (i.e., Avoidance, Diversity and Cable-Only) are set forth in Section 11 following.

6.1.5 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 Report will be provided to the customer at no charge, and will be reissued or updated whenever these facilities are materially changed.

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6. Switched Access Service (Cont'd)6.2 Undertaking of the Telephone Company

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

6.2.1 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 connections 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, such as call gapping, which selectively cancel the completion of traffic, over any traffic carried over its network, including that associated with a customer's Switched Access Service. Generally, such protective measures would only be taken as a result of occurrences such as failure or overload of 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(B)(3) preceding.

6.2.2 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 Feature Group, the Interface Group and whether the service is directly routed or via an access tandem. The available transmission specifications are set forth in 15.1.2 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 set forth in 15.1.3 following are not being met, conduct tests independently or in cooperation with the customer, and take any necessary action to insure that the data parameters are met.

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6. Switched Access Service (Cont'd)6.2 Undertaking of the Telephone Company (Cont'd)6.2.2 Transmission Specifications (Cont'd)

The Telephone Company will maintain existing transmission specifications on functioning service configurations installed prior to May 25, 1984, except that service configurations having performance specifications exceeding the standards set forth in 15.1.2 following will be maintained at the performance levels specified.

The transmission specifications concerning Switched Access Service are limits which, when exceeded, may require the immediate corrective action of the Telephone Company. The transmission specifications are set forth in 15.1.2 following. Acceptance limits are set forth in Technical Reference GR-334-CORE. This Technical Reference also provides the basis for determining Switched Access Service maintenance limits.

Feature Group C and Feature Group D trunks equipped for Operator Transfer Service are subject to Feature Group C and Feature Group D transmission specifications, respectively, unless otherwise specified.

6.2.3 Provision of 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.

6.2.4 Testing(A) Acceptance Testing

At no additional charge the Telephone Company will, at the customer's request, cooperatively test at the time of installation, the following parameters: loss, C-notched noise, C-message noise, 3-tone slope, d.c. continuity and operational signaling. When the Local Transport is provided with Interface Groups 2 through 10, and the Transport Termination is two-wire (i.e., there is a four-wire to two-wire conversion in Local Transport), balance parameters (equal level echo path loss) may also be tested.

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6. Switched Access Service (Cont'd)6.2 Undertaking of the Telephone Company (Cont'd)6.2.4 Testing (Cont'd)(B) Routine Testing

At no additional charge, the Telephone Company will, at the customer's request, test after installation on an automatic or manual basis, 1004 Hz loss, C- message noise and Balance (Improved Return loss).

In the case of automatic testing, the customer shall provide remote office test lines and 105 test lines with associated responders or their functional equivalent.

The frequency of these tests will be that which is mutually agreed upon by the customer and the Telephone Company but shall consist of not less than quarterly 1004 Hz Loss and C-message noise tests and an annual Balance test. Trunk test failures requiring customer participation for trouble resolution will be provided to the customer on an as-occurs basis.

Additional tests may be ordered as set forth in 13.3.1 following. Charges for these additional tests are set forth in 17.4.4 following.

6.2.5 Determination of Number of Transmission Paths

For Feature Groups A and B, which are ordered on a per line or per trunk basis respectively, and Feature Groups (C) C and D when ordered on a per trunk basis the customer specifies the type of transport facilities and the number of channels in the order for service.

For Tandem Switched Transport, the Telephone Company will determine the number of Switched Access Service transmission paths to be provided for the Switched Access Feature Group C and D busy hour minutes of capacity ordered. The number of transmission paths will be developed using the total busy hour minutes of capacity by type (as described in 6.1.1(B) preceding) for the end offices for each Feature Group ordered from a customer's designated premises. The total busy hour minutes of capacity by type (e.g., originating, terminating, IDDD, Operator) 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 access tandem switches and end office switches, (2) the use of the end office switches only, or (3) the use of the tandem switches only.

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6. Switched Access Service (Cont'd)6.2 Undertaking of the Telephone Company (Cont'd)6.2.6 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.

6.3 Obligations of the Customer

In addition to the obligations of the customer set forth in Section 2 preceding, the customer has certain specific obligations pertaining to the use of Switched Access Service. These obligations are as follows:

6.3.1 Report Requirements

Customers are responsible for providing the following reports to the Telephone Company, when applicable.

(A) Jurisdictional Reports

When a customer orders Switched Access Service for both interstate and intrastate use, the customer is responsible for providing reports as set forth in 2.3.11 preceding. Charges will be apportioned in accordance with those reports. The method to be used for determining the interstate charges is set forth in 2.3.12 preceding.

(B) Code Screening Reports

When a customer orders service class routing, trunk access limitation or call gapping arrangements, it must report the number of trunks and/or the appropriate codes to be instituted in each end office or access tandem switch, for each of the arrangements ordered.

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6. Switched Access Service (Cont'd)6.3 Obligations of the Customer (Cont'd)6.3.2 Trunk Group Measurement Reports

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.

6.3.3 Supervisory Signaling

The customer's facilities shall provide the necessary on-hook, off-hook, answer and disconnect supervision.

6.3.4 Short Duration Mass Calling Requirements

When a customer offers service for which a substantial call volume is expected during a short period of time (e.g., 900 service media stimulated events), the customer must notify the Telephone Company at least 48 hours in advance of each peak period. Notification should include the nature, time, duration, and frequency of the event, an estimated call volume, and the telephone number(s) to be used.

On the basis of the information provided, the telephone Company may invoke network management controls, (e.g., call gapping and code blocking) to reduce the probability of excessive network congestion. The Telephone Company will work cooperatively with the customer to determine the appropriate level of such control.

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6. Switched Access Service (Cont'd)6.4 Rate Regulations

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

6.4.1 Description and Application of Rates and Charges

There are two types of rates and charges that apply to Switched Access Service; recurring (usage and flat rates) and nonrecurring charges. These rates and charges are applied differently to the various rate elements as set forth in (C) following.

(A) Recurring Rates

- (1) Usage Rates for Switched Access Service are rates that apply on a per access minute or a per call basis. Access minute charges and per call charges are accumulated over a monthly period.
- (2) Flat Rates for Switched Access Service are rates that apply on a per month per rate element basis.

(B) Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for a specific work activity (i.e., installation or change to an existing service). The types of nonrecurring charges that apply for Switched Access Service are: installation of service, Interim NXX Translation optional feature and service rearrangements. These charges, with the exception of the Interim NXX Translation optional feature, are in addition to the Access Order Charge as specified in 17.4.1(A) following.

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6. Switched Access Service (Cont'd)6.4 Rate Regulations (Cont'd)6.4.1 Description and Application of Rates and Charges (Cont'd)(B) Nonrecurring Charges (Cont'd)(1) Installation of Service

For Entrance Facilities, a Local Transport nonrecurring installation charge, as set forth in 17.2.1(A) following, will be applied at the serving wire center for each Entrance Facility installed.

For Direct Trunked Transport ordered to the end office, a Local Transport nonrecurring trunk activation charge, as set forth in 17.2.1 (D) following, will be applied at the end office on a per order basis for each group of 24 Direct Trunked Transport trunks or fraction thereof that is activated at the end office.

For Direct Trunked Transport ordered to the access tandem, a Local Transport nonrecurring trunk activation charge, as set forth in 17.2.1(D) following, will be applied at the access tandem on a per order basis for each group of 24 Direct Trunked Transport trunks or fraction thereof that is activated at the access tandem.

A maximum of 24 trunks can be activated on a DS1 facility and a maximum of 672 trunks can be activated on a DS3 facility.

For example, if a customer orders a DS1 Entrance Facility and requests activation of 18 of the available circuits, the customer will be charged one Local Transport High Capacity DS1 Installation nonrecurring charge at the serving wire center and one Direct Trunked Transport Activation nonrecurring charge at the end office. If at a later date the customer requests the activation of three more circuits, the customer will then be charged an additional Direct Trunked Transport Activation nonrecurring charge. These charges are in addition to the Access Order Charge as specified in 17.4.1(A) following.

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6. Switched Access Service (Cont'd)6.4 Rate Regulations (Cont'd)6.4.1 Description and Application of Rates and Charges (Cont'd)(B) Nonrecurring Charges (Cont'd)(2) Interim NXX Translation Optional Feature

This nonrecurring charge applies to the initial order for the installation of the Interim NXX Translation optional feature with Feature Group C or Feature Group D Switched Access Service and for each subsequent order received to add or change NXX translation codes. This charge, if applicable, applies whether this optional feature is installed coincident with or at any time subsequent to the installation of Switched Access Services. This charge is applied by the Telephone Company per order, per LATA or Market Area. When it is necessary for multiple telephone companies to provide the translation function, the nonrecurring charge is assessed only by the Telephone Company that provides the final translation function which identifies the customer's traffic and this traffic is then delivered to the customer's point of termination without any further translation.

(3) Service Rearrangements

All changes to existing services other than changes involving administrative activities and the off-hook supervisory signaling of FGA Access Services, will be treated as a discontinuance of the existing service and an installation of a new service. The nonrecurring charge described in (1) preceding will apply for this work activity. Moves that change the physical location of the point of termination are described and charged for as set forth in 6.4.4 following.

For conversion of FGD trunks to SS7 Signaling reconfiguration, charges apply as set forth in Section 17.2.1(C).

- If, due to technical limitations of the Telephone Company, a customer could not combine its Interim NXX traffic with its other trunk side Switched Access Services, no charge shall apply to combine these trunk groups when it becomes technically possible.

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6. Switched Access Service (Cont'd)6.4 Rate Regulations (Cont'd)6.4.1 Description and Application of Rates and Charges (Cont'd)(B) Nonrecurring Charges (Cont'd)(3) Service Rearrangements (Cont'd)

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 data (name, address, or contact name or telephone number);
- Change of agency authorization;
- Change of customer circuit identification;
- Change of billing account number;
- Change of customer test line number;
- Change of customer or customer's end user contact name or telephone number; and
- Change of jurisdiction.

Other changes made without charge to the customer are as follows:

- Changes and additions to existing Switched Access Services which are necessary due to Telephone Company initiated network reconfigurations and required to provide the same grade of service to the customer that existed prior to the reconfiguration. Charges will apply to those changes and additions which are in excess of those required to provide the same grade of service and/or capacity. Grade of service will be as determined by industry standard engineering tables.

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6. Switched Access Service (Cont'd)6.4 Rate Regulations (Cont'd)6.4.1 Description and Application of Rates and Charges (Cont'd)(B) Nonrecurring Charges (Cont'd)(3) Service Rearrangements (Cont'd)

Changes to the point in time when the off-hook supervisory signal is provided in the originating call sequence i.e., when the off-hook supervisory signal is changed from being provided by the customer's equipment before the called party answers to being forwarded by the customer's equipment when the called party answers or vice versa, are subject to the Access Order Charge as set forth in 17.4.1(A) following.

For additions, changes or modifications to an optional feature which has a separate nonrecurring charge, that nonrecurring charge will apply.

For additions, changes, or modifications to optional features that do not have their own separate nonrecurring charges, an Access Order Charge as set forth in 17.4.1(A) following will apply. When an optional feature is not required on each transmission path, but rather for an entire transmission path group, an end office or an access tandem switch, only one such charge will apply (i.e., it will not apply per transmission path).

When the 64 Clear Channel Capability optional feature is installed on an existing facility, the addition will be treated as a discontinuance and start of service and all associated non-recurring charges will apply.

For conversion of FGC and FGD trunks from multifrequency address signaling to SS7 signaling or from SS7 signaling to multifrequency address signaling, nonrecurring charges will apply as set forth in 17.2.1(C).

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6. Switched Access Service (Cont'd)6.4 Rate Regulations (Cont'd)6.4.1 Description and Application of Rates and Charges (Cont'd)(C) Application of Rates

The application of rates is dependent upon the Feature Group, type of Entrance Facility and the type of transport (e.g., Direct Trunked Transport, Tandem Switched Transport, type of Multiplexing).

- (1) Reserved for Future Use
- (2) Reserved for Future Use
- (3) Abbreviated Dialing Arrangement (ADA)

Rates apply to all FGB with ADA access minutes.

- Rates apply to the following FGB rate elements with ADA access minutes:

- Entrance Facility
- Direct Trunked Termination
- Directed Trunked Facility
- Tandem Switched Termination
- Tandem Switched Facility
- Tandem Switching
- Multiplexing

(5) Unmeasured FGA and FGB Access Services

Where originating and/or terminating measurement capability does not exist for Feature Group A or Feature Group B Switched Access Services provided to the first point of switching, the number of access minutes that will be assumed are as set forth following in 6.5.4 and 6.6.4 respectively.

(6) Reserved for Future Use

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6. Switched Access Service (Cont'd)6.4 Rate Regulations (Cont'd)6.4.1 Description and Application of Rates and Charges (Cont'd)(C) Application of Rates (Cont'd)(7) Common Channel Signaling/Signaling System 7 (CCS/SS7) Network Connection Service

The CCS/SS7 Network Connection is comprised of a Signaling Mileage Facility charge, a Signaling Mileage Termination charge, a Signaling Entrance Facility charge, and a Signaling Transfer Point (STP) Port charge.

The Signaling Mileage Facility charge is assessed on a per facility per mile basis. The Signaling Mileage Termination charge is assessed on a per termination basis (i.e., at each end of the Signaling Mileage Facility). When the Signaling Mileage Facility mileage measurement is zero, Signaling Mileage Termination charges do not apply.

The Signaling Entrance Facility charge is assessed on a per facility basis for the connection between the customer's designated premises (Signaling Point of Interface) and the serving wire center of that premises.

The STP Port charge is assessed on a per port basis for each termination of a Signaling Mileage Facility at an STP.

(8) Toll Free Code (TFC) Series Data Base Access Service

A Basic Query or Vertical Feature Query charge applies for each query that is launched to a TFC series data base and identifies the customer to whom the call will be delivered. Query charges, as set forth in 17.2.2(B), will only be applied by those companies whose wire centers are identified as assessing query charges in the National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4.

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6. Switched Access Service (Cont'd)6.4 Rate Regulations (Cont'd)6.4.1 Description and Application of Rates and Charges (Cont'd)(C) Application of Rates (Cont'd)(8) TFC Series Data Base Access Service (Cont'd)

When Feature Group C or Feature Group D switched access service is used for the provision of TFC Series Data Base Access Service and the total minutes of use and/or count of queries can be determined for each customer at a tandem or SSP but can not be determined by individual end office, an allocation method will be utilized to determine minutes of use and/or queries by end office and customer. For each end office a ratio will be developed and applied against the total minutes of use and/or count of queries for a given customer as determined by the tandem or SSP. These ratios will be developed by dividing the unidentified originating TFC series type minutes of use at an end office by the total unidentified originating minutes of use in all end offices subtending the tandem or SSP. For example, assume:

- Three end offices (EO-1, EO-2, and EO-3) subtend a tandem

EO-1 measures 2,000 min. of TFC series type use
EO-2 measures 3,000 min. of TFC series type use
EO-3 measures 5,000 min. of TFC series type use
10,000 TOTAL

- The tandem delivers TFC series type usage to two customers:

IC-A has 4,000 minutes of use
IC-B has 6,000 minutes of use

- The allocation ratio for EO-1 is 20%

2,000/10,000

- The minutes of use to be billed by EO-1 are

800 to IC-A (20% X 4,000)
1,200 to IC-B (20% X 6,000)
2,000 TOTAL

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6. Switched Access Service (Cont'd)6.4 Rate Regulations (Cont'd)6.4.2 Minimum Monthly Charge

Switched Access Service is subject to a minimum monthly charge. The minimum charge applies for the total capacity provided. The minimum monthly charge is calculated as follows.

For usage rated Local Transport, Local Switching and Information Surcharge rate elements, the minimum monthly charge is the sum of the recurring charges set forth in 17.2.2 and 17.2.3 following for either the actual measured usage or the assumed usage prorated to the number of days or major fraction of days based on a 30 day month.

For flat rated Local Transport rate elements, the minimum monthly charge is the sum of the recurring charges set forth in 17.2.2- following prorated to the number of days or major fraction of days on a 30 day month.

6.4.3 Change of Switched Access Service Arrangements

Changes from one type of Feature Group to another will be treated as a discontinuance of one type of service and a start of another. Nonrecurring charges will apply, with one exception. When a customer upgrades a Feature Group A or B service to a Feature Group D service and when Feature Group C is upgraded to Feature Group D coincident with the availability of Feature Group D in an end office, the nonrecurring charges associated with the equal access conversion will not apply. Non-recurring charges for other associated service requests, (e.g., a simultaneous change from multi-frequencies, address signaling to SS7 signaling) will apply. Minimum period obligations will not change, i.e., the time elapsed in the existing minimum period obligation will be credited to the minimum period obligations for FGD service, subject to the following limitations.

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6. Switched Access Service (Cont'd)6.4 Rate Regulations (Cont'd)6.4.3 Change of Switched Access Service Arrangements (Cont'd)

In order to avoid the imposition of nonrecurring charges a customer which is a participant in the presubscription allocation process (i.e., is on the presubscription ballot) must:

- submit its order to disconnect Feature Group A and/or B within 30 days after the date the results of the final allocation of customers in an end office are actually received by the customer, and
- make the effective date for disconnection of the Feature Group A and/or B Access Services no later than 60 days after the final allocation results are received by the customer.

A customer which is not a participant in the allocation process (i.e., is not on the presubscription ballot) is subject to the same rules preceding. The time frames for the non-participating customer(s) are the same as those which apply to the last customer to receive the results of the final allocation of customers in an end office who is a participant in the allocation process. For all other changes from one type of Feature Group to another, new minimum period obligations will be established.

6.4.4 Moves

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

- The point of termination at the customer designated premises
- The customer designated 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)6.4 Rate Regulations (Cont'd)6.4.4 Moves (Cont'd)(A) Moves Within the Same Building

When the move is to a new location within the same building, the charge for the move will be an amount equal to one half of the installation nonrecurring charge for the capacity affected. This charge is in addition to the Access Order Charge as specified in 17.4.1(A) following. There will be no change in the minimum period requirements.

(B) Moves to a Different Building

Moves to a different building will be treated as a discontinuance and start of service and all associated nonrecurring charges will apply. 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.

6.4.5 Local Information Delivery Services

Calls over Switched Access Service in the terminating direction to certain community information services will be rated under the applicable rates for Switched Access Service as set forth in 17.2 following. In addition, the charges per call as specified under the Telephone Company's local and/or general exchange service tariffs, e.g., 976 (DIAL-IT) Network Services, will also apply.

6.4.6 Mileage Measurement

The mileage to be used to determine the monthly rate for Local Transport is calculated on the airline distance. When Direct Trunked Transport is ordered between the serving wire center and the end office, mileage is normally measured in one segment from the serving wire center to the end office. When Direct Trunked Transport is ordered between a serving wire center and a tandem and Tandem Switch Transport is ordered between the tandem and the end office, mileage is calculated separately for each segment. Exceptions to these methods are as set forth in (A) through (H) following. For SS7 signaling, the mileage to be used to determine the monthly rate for the Signaling Mileage Facility is calculated on the airline distance between the serving wire center associated with the customer's designated premises (Signaling Point of Interface) and the Telephone Company wire center providing the STP Port.

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6. Switched Access Service (Cont'd)6.4 Rate Regulations (Cont'd)6.4.6 Mileage Measurement (Cont'd)

Where applicable, the V&H coordinates method is used to determine mileage. This method is set forth in the National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4 for Wire Center Information (V&H coordinates).

Mileage rates are as set forth in 17.2.2 following. To determine the rate to be billed, first compute the airline mileage using the V&H coordinates method. If the calculation results in a fraction of a mile, always round up to the next whole mile before determining the mileage and applying the rates. Then multiply the mileage by the appropriate rate.

Exceptions to the mileage measurement rules are as follows:

(A) Feature Group A - Originating Usage

Direct Trunked Transport Mileage access minutes in the originating direction over Feature Group A Switched Access Service will be calculated on an airline basis, using the V&H coordinates method. The mileage measurement will be between the first point of switching (end office switch where the Feature Group A switching dial tone is provided) and the customer's serving wire center for the Switched Access Service provided.

(B) Feature Group A Terminating Usage

The Local Transport mileage for terminating Feature Group A Switched Access Service will be measured in two segments. Direct Trunked Transport mileage will be measured between the customer's serving wire center and the first point of switching (i.e., the end office switch where the Feature Group A switching dial tone is provided). Tandem Switched Transport mileage will be measured between the first point of switching and the terminating end office.

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6. Switched Access Service (Cont'd)6.4 Rate Regulations (Cont'd)6.4.6 Mileage Measurement (Cont'd)(C) Feature Groups B, C and D - Alternate Traffic Routing

When the Alternate Traffic Routing optional feature is provided with Feature Groups B, C and 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: (1) actual minutes of use if available, (2) standard Telephone Company traffic engineering methodology and will be based on the last trunk CCS desired for the high usage group, as described in 6.9.1(L) following (Alternate Traffic Routing), and the total busy hour minutes of capacity ordered to the end office, when the feature is provided at an end office switch, or (3) an apportionment mutually agreed to by the Telephone Company and the customer. This apportionment will serve as the basis for Local Transport calculation.

(D) Feature Group C - Multiple CDPs

When terminating Feature Group C Switched Access Service is provided from multiple customer designated 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.

(E) Feature Groups A, B, C and D - WATS

The Local Transport Facility for Feature Groups A, B, C and D Switched Access Service connected with Special Access Service at a WATS Serving Office will be measured between the WATS Serving Office (when measured access minutes of use are used) or between the Feature Group A entry switch (when assumed minutes of use are used) and the serving wire center for the customer designated premises.

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6. Switched Access Service (Cont'd)6.4 Rate Regulations (Cont'd)6.4.6 Mileage Measurement (Cont'd)(F) Feature Groups B and D - WSCs Directly Interconnected to Access Tandems

The Local Transport mileage for Feature Groups B and D switched access service provided to Wireless Switching Centers (WSCs) directly interconnected to a Telephone Company access tandem office will be determined on an airline basis, using the V&H coordinate method. The mileage will be measured between the customer's serving wire center and the Telephone Company access tandem office to which the WSC is interconnected.

(G) Feature Groups B, C, and D - Remote Offices

The Local Transport mileage for Feature Groups B, C, and D Switched Access Service provided to a Remote Office will be measured in multiple segments. When the facility is directly trunked to the Host Office, Direct Trunked Facility mileage will be measured between the customer's serving wire center and the Host Office, and Tandem Switched Facility mileage will be measured between the Host Office and the Remote Office. 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. The Tandem Switching charge will not apply.

When the facility is directly trunked to a tandem, Direct Trunked Facility will be measured from the serving wire center to the tandem, Tandem Switched Facility will be measured from the tandem to the host, and another segment of Tandem Switched Facility will be measured from the host to the remote. 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. A Tandem Switching charge would be applicable at the tandem.

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6. Switched Access Service (Cont'd)6.4 Rate Regulations (Cont'd)6.4.6 Mileage Measurement (Cont'd)(H) Use of Telephone Company Hub

When multiplexing is performed at Telephone Company Hubs, mileage is computed and rates applied separately for each segment of the Local Transport Direct Trunked Facility (i.e., customer serving wire center to Hub, Hub to Hub, and/or Hub to end office).

6.4.7 Mixed Use

Mixed use occurs when Switched Access Service and Special Access Service are provided over the same High Capacity service through a common interface. The regulations governing the provision of Mixed Use Facilities are set forth in 5.2.4 preceding and 7.2.7 following.

The Telephone Company will designate the first point(s) of switching and routing to be used where equal access traffic is provided through a centralized equal access arrangement. Those Telephone Company offices providing equal access through centralized arrangements are identified in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4.

6.4.8 Message Unit Credit for Feature Group A

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 collected from their end users under the Telephone Company's local and/or general exchange service tariffs. When the customer is provided FGA service where measurement capability does not exist, the credit will apply to access minutes not to exceed the assumed originating access minutes. 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.

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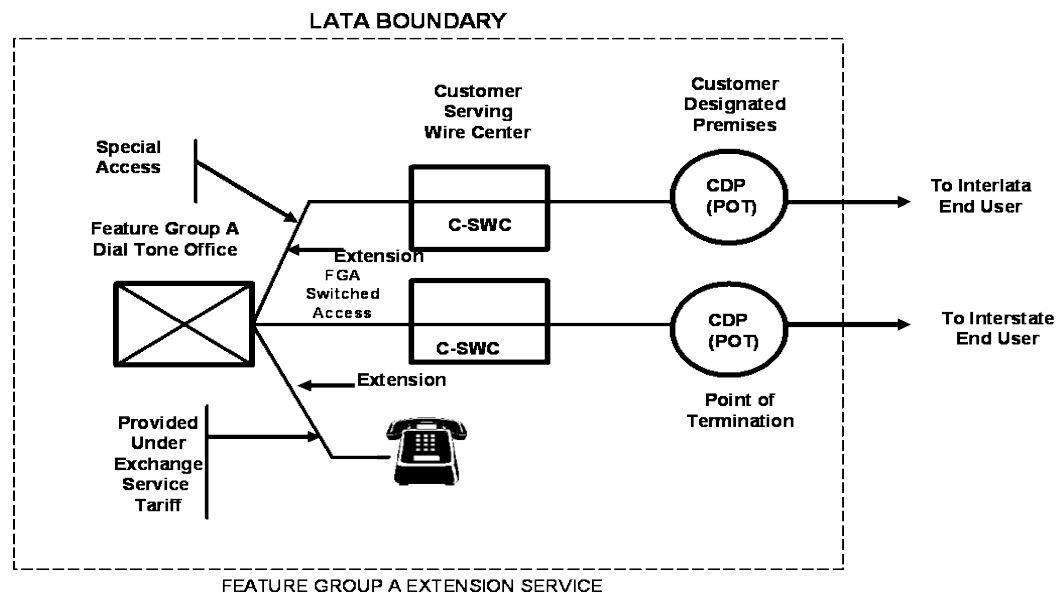
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6. Switched Access Service (Cont'd)6.4 Rate Regulations (Cont'd)6.4.9 Application of Rates for Feature Group A Extension Service

Feature Group A Switched Access Service is available with extensions, i.e., additional terminations of the service at different customer designated premises in the same LATA as the FGA dial tone office or a LATA other than the LATA where the FGA dial tone office is located. Feature Group A extensions within the same LATA and same state as the dial tone office are provided and charged under the Telephone Company's local and/or general exchange service tariffs. Feature Group A extensions located in a LATA other than the LATA where the dial tone office is located or in a different state in the same LATA as the dial tone office are provided and charged as Special Access Service. The rate elements which apply are: A Voice Grade Channel Termination, Channel Mileage, if applicable, and Signaling Capability (optional features and functions), if applicable. All appropriate monthly rates and nonrecurring charges set forth in 17.3.4 following will apply.



In the above example, two CDPs are utilized to better illustrate the concept. From a practical standpoint, both the Switched Access and Special Access Services could be routed via the same CDP.

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6. Switched Access Service (Cont'd)6.5 Description and Provision of Feature Group A (FGA)6.5.1 Description

- (A) FGA Access, which is available to all customers, provides line side access to Telephone Company end office switches with an associated seven digit local telephone number for the customer's use in originating communications from and terminating communications to an Interexchange Carrier's Interstate Service or a customer-provided interstate communications capability. The customer must specify the Interexchange Carrier to which the FGA service is connected or, in the alternative, specify the means by which the FGA access communications is transported to another state. Special Access Services utilized for connection with FGA at Telephone Company designated WATS Serving Offices as set forth in Section 7. following may be ordered separately by a customer other than the customer which orders the FGA Switched Access Service for the provision of WATS-type services. Special Access Services are ordered as set forth in 5.2 preceding.
- (B) FGA Switching is provided at all end office switches. 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 which are specified by the customer's order for service.
- (C) FGA provides a line side termination at the first point of switching (dial tone office). 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.
- (D) The Telephone Company shall select the first point of switching, within the selected LATA, at which the line side termination 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.

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6. Switched Access Service (Cont'd)6.5 Description and Provision of Feature Group A (FGA) (Cont'd)6.5.1 Description (Cont'd)

- (E) 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.

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.

- (F) 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.
- (G) 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.
- (H) FGA switching, when used in the terminating direction, may be used to access valid NXXs in the LATA, 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), community information services of an information service provider, and other customers' services (by dialing the appropriate digits).

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6. Switched Access Service (Cont'd)6.5 Description and Provision of Feature Group A (FGA) (Cont'd)6.5.1 Description (Cont'd)

(H) (Cont'd)

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 (411 and 555- 1212, whichever is available), Local Transport rates for FGA Switched Access Service will apply. Additionally, calls to Directory Assistance are subject to the Directory Assistance Service Call rate set forth in 17.2.5(A) following.

(I) 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.

(J) Except as provided for in Section 6.1.3 (A) (1), above, FGA will be provisioned over an Entrance Facility from the customer's premises to the customer's serving wire center.

FGA service, when used in the originating direction, will be provisioned as Direct Trunked Transport from the first point of switching (i.e., the end office switch where FGA switching dial tone is provided) to the customer's serving wire center.

FGA service, when used in the terminating direction, will be provisioned as Direct Trunked Transport from the customer's serving wire center to the first point of switching and provisioned as Tandem Switched Transport from the first point of switching to the terminating end office. The Tandem Switching charge will not apply.

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6. Switched Access Service (Cont'd)6.5 Description and Provision of Feature Group A (FGA) (Cont'd)6.5.2 Optional Features

Following are the various nonchargeable optional features that are available in lieu of, or in addition to, the standard features provided with Feature Group A. They are provided as Common Switching, Transport Termination or Local Transport options.

(A) Common Switching Options

Descriptions of the common switching optional features are set forth in 6.9 following.

- (1) Call Denial on Line or Hunt Group
- (2) Service Code Denial on Line or Hunt Group
- (3) Hunt Group Arrangement
- (4) Uniform Call Distribution Arrangement
- (5) Nonhunting Number for Use with Hunt Group or Uniform Call Distribution Arrangement
- (6) Band Advance Arrangement for Use with Special Access Service Utilized in the Provision of WATS-Type Services
- (7) Hunt Group Arrangement for Use with Special Access Service Utilized in the Provision of WATS-Type Services
- (8) Uniform Call Distribution Arrangement for Use with Special Access Service Utilized in the Provision of WATS-Type Services
- (9) Nonhunting Number Associated with a Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use with Special Access Service Utilized in the Provision or WATS-Type Services

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6. Switched Access Service (Cont'd)6.5 Description and Provision of Feature Group A (FGA) (Cont'd)6.5.2 Optional Features (Cont'd)(B) Transport Termination

- (1) Two-way operation with dial pulse address signaling and loop start supervisory signaling
- (2) Two-way operation with dial pulse address signaling and ground start supervisory signaling
- (3) Two-way operation with dial tone multifrequency address signaling and loop start supervisory signaling
- (4) Two-way operation with dial tone multifrequency address signaling and ground start supervisory signaling
- (5) Terminating operation with dial pulse address signaling and loop start supervisory signaling
- (6) Terminating operation with dial pulse address signaling and ground start supervisory signaling
- (7) Terminating operation with dual tone multifrequency address signaling and loop start supervisory signaling
- (8) Terminating operation with dual tone multifrequency address signaling and ground start supervisory signaling
- (9) Originating operation with loop start supervisory signaling
- (10) Originating operation with ground start supervisory signaling

(C) Local Transport Options

- (1) Supervisory Signaling (as set forth in 15.1.1(E) following)
- (2) Customer Specified Entry Switch Receive Level (as set forth in 15.1.1(E) following)

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6. Switched Access Service (Cont'd)6.5 Description and Provision of Feature Group A (FGA) (Cont'd)6.5.3 Optional Features Provided In Local Tariffs

Certain other features which may be available in connection with Feature Group A (e.g., Speed Calling, Remote Call Forwarding, Bill Number Screening, IntraLATA extensions) are provided under the Telephone Company's local and/or general exchange service tariffs.

6.5.4 Measuring Access Minutes

Customer Feature Group A traffic to end offices will be measured (i.e., recorded) or assumed by the Telephone Company at end office switches. Originating and terminating calls will be measured (i.e., recorded) or assumed by the Telephone Company to determine the basis for computing chargeable access minutes. In the event the customer message detail is not available because the Telephone Company lost or damaged tapes or incurred recording system outages, the Telephone Company will estimate the volume of lost customer access minutes of use based on previously known values.

For terminating calls over FGA and for originating calls over FGA (when the off-hook supervisory signal is provided by the customer's equipment before the called party answers), the measured minutes are the chargeable access minutes. For originating calls over FGA (when the off-hook supervisory signal is forwarded by the customer's equipment when the called party answers), chargeable originating access minutes are derived from recorded minutes using the same formula as set forth in 6.7.4 following for Feature Group C.

For originating calls over FGA, usage measurement begins when the originating FGA first point of switching receives an off-hook supervisory signal forwarded from the customer's point of termination. This off-hook signal may be provided by the customer's equipment before the called party answers, or forwarded by the customer's equipment when the called party answers.

The measurement of originating call usage over FGA ends when the originating FGA first point of switching 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, whichever is recognized first by the first point of switching.

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6. Switched Access Service (Cont'd)6.5 Description and Provision of Feature Group A (FGA) (Cont'd)6.5.4 Measuring Access Minutes (Cont'd)

For terminating calls over FGA, usage measurement begins when the terminating FGA first point of switching 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 ends when the terminating FGA first point of switching 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 first point of switching.

FGA 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 line or hunt group and are then rounded up to the nearest access minute for each line or hunt group.

Assumed minutes are used for FGA services which originate or terminate in end offices not equipped with measurement capabilities and in such cases are the chargeable access minutes.

Where originating and terminating measurement capability does not exist for Feature Group A provided to the first point of switching, the number of access minutes will be assumed as set forth in 17.2.6 following.

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 per month will be assumed usage, as set forth in 17.2.6 following, or the measured usage, whichever is greater. If the usage in the measured direction exceeds the assumed access minutes per line per month, no usage will be assigned in the unmeasured direction. If the measured usage is less than the assumed access minutes per line per month, the usage in the unmeasured direction will be the assumed usage, as set forth in 17.2.6 following, for that unmeasured direction except that the total of measured and assumed minutes in such instances will not exceed the total assumed usage designated for two way calling set forth in 17.2.6 following. If the total exceeds the assumed minutes set forth in 17.2.6 following, the assigned minutes shall be reduced so that the total of measured and unmeasured minutes equals the assumed minutes for two way calling set forth in 17.2.6 following.

Additionally, when the line is arranged for one way calling and there is no measurement capability for that direction, assumed originating access minutes, as set forth in 17.2.6(B) following, will be assigned for originating calling only lines and assumed terminating access minutes, as set forth in 17.2.6(C) following, will be assigned for terminating calling only lines.

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6. Switched Access Service (Cont'd)6.5 Description and Provision of Feature Group A (FGA) (Cont'd)6.5.4 Measuring Access Minutes (Cont'd)

The following matrix illustrates the application of assumed access minutes for FGA as set forth in 17.2.6(A), (B) and (C) following.

<u>Service Ordered As</u>	<u>Can Measure Originating</u>	<u>Can't Measure Originating</u>	<u>Can Measure Terminating</u>	<u>Can't Measure Terminating</u>
Originating Only	Actual	1,510	N/A	N/A
Terminating Only	N/A	N/A	Actual	2,685
Both Originating and Terminating (originating measurement greater than 4195)	Actual	N/A	N/A	0
Both Originating and Terminating (originating measurement equal or less than 4195)	Actual	NA	N/A	0 to 2685*
Both Originating and Terminating (terminating measurement greater than 4195)	N/A	0	Actual	N/A
Both Originating and Terminating (terminating measurement equal or less than 4195)	N/A	0 to 1510*	Actual	N/A

* Sum of actual and assumed cannot exceed 4195. Reduce assumed minutes of use if necessary.

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6. Switched Access Service (Cont'd)6.5 Description and Provision of Feature Group A (FGA) (Cont'd)6.5.4 Measuring Access Minutes (Cont'd)

Notwithstanding the preceding, when Feature Group A is used for the provision of WATS-type service where measurement capability exists at the WATS Serving Office but not at the Feature Group A first point of switching, the measured WATS-type originating and/or terminating minutes of use shall be separately summed and compared to their respective total assumed originating and/or terminating minutes of use. The number of access minutes per line per month will be the assumed or the measured usage, whichever is greater.

6.5.5 Testing Capabilities

FGA is provided, in the terminating direction where equipment is available, with seven digit access to balance (100 type) test line and milliwatt (102 type) test line. In addition to the tests described in 6.2.4 preceding which are included with the installation of service (Acceptance Testing) and as ongoing routine testing, Additional Cooperative Acceptance Testing and Additional Manual Testing are available as set forth in 13.3.1 following.

6.6 Description and Provision of Feature Group B (FGB)6.6.1 Description

(A) FGB Access, which is available to all customers, provides trunk side access to Telephone Company end office switches with an associated uniform 950-XXXX access code. FGB trunk side access is provided for the customer's use in originating communications from and terminating communications to an Interexchange Carrier's Interstate Service or a customer provided interstate communications capability. The customer must specify the Interexchange Carrier to which the FGB service is connected or, in the alternative, specify the means by which the FGB access communications is transported to another state. Special Access Services utilized for connection with FGB at Telephone Company designated WATS Serving Offices as set forth in Section 7 following may be ordered separately by a customer other than the customer which orders the FGB Switched Access Service for the provision of WATS or WATS-type services. Special Access Services are ordered as set forth in 5.2 preceding.

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6. Switched Access Service (Cont'd)6.6 Description and Provision of Feature Group B (FGB) (Cont'd)6.6.1 Description (Cont'd)

- (B) FGB, when directly routed to an end office (i.e., provided without the use of an access tandem switch), is provided at appropriately equipped Telephone Company electronic end office switches. When provided via Telephone Company designated electronic access tandem switches, FGB switching is provided at Telephone Company electronic and electromechanical end office switches.
- (C) FGB is provided as trunk side switching through the use of end office or access tandem switch trunk equipment. The switch trunk equipment is provided with wink start start-pulsing signals and answer and disconnect supervisory signaling.
- (D) FGB switching is provided with multifrequency address signaling in both the originating and terminating directions. Except for FGB switching provided with the automatic number identification (ANI) or rotary dial station signaling arrangements as set forth respectively in 6.9.1(F) and 6.9.2(A) following, 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.
- (E) The access code for FGB switching is a uniform access code. The form of the uniform access code is 950-XXXX. A uniform access code(s) 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 access codes will be the assigned access numbers of all FGB switched access service provided to the customer by the Telephone Company.
- (F) The Telephone Company will establish a trunk group or groups for the customer at end office switches or access tandem switches where FGB switching is ordered. When required by technical limitations, a separate trunk group will be established for each type of FGB switching 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.

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6. Switched Access Service (Cont'd)6.6 Description and Provision of Feature Group B (FGB) (Cont'd)6.6.1 Description (Cont'd)

- (G) FGB switching, when used in the terminating direction, may be used to access valid NXXs in the LATA, community information services of an information service provider and other customers' services (by dialing the appropriate digits). When directly routed to an end office, only those valid NXX codes served by that end office may be accessed. When routed through an access tandem, only those valid NXX codes served by end offices subtending the access tandem may be accessed.

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

- (H) When all FGB switching arrangements are discontinued at an end office and/or in a LATA, 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.
- (I) In a designated end office where FGB with an Abbreviated Dialing Arrangement (ADA) is available, the FGB with an ADA will be provisioned in the same manner in which FGB is provisioned with the exceptions described in 6.9.1 following.
- (J) For FGB switched access service to a Wireless Switching Center (WSC) directly interconnected to a Telephone Company access tandem office, the customer will be billed only the Local Transport rate element for the FGB usage. The mileage used to determine the monthly rate for the local transport rate element is as set forth in 6.4.6 preceding.

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6. Switched Access Service (Cont'd)6.6 Description and Provision of Feature Group B (FGB) (Cont'd)6.6.2 Optional Features

Following are descriptions of the various nonchargeable optional features that are available in lieu of, or in addition to, the standard features provided with Feature Group B. They are set forth in (A), (B) and (C) following and are provided as Common Switching, Transport Termination and Local Transport options. Additionally, other optional features provided in local tariffs are set forth in (D) following.

(A) Common Switching Options

Descriptions of the common switching optional features are set forth in 6.9 following.

- (1) Automatic Number Identification (ANI)
- (2) Up to 7 Digit Outpulsing of Access Digits to Customer
- (3) Band Advance Arrangement for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services
- (4) Hunt Group Arrangement for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services
- (5) Uniform Call Distribution Arrangement for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services
- (6) Nonhunting Number Associated with Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services

(B) Transport Terminations Options

- (1) Rotary Dial Station Signaling

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6. Switched Access Service (Cont'd)6.6 Description and Provision of Feature Group B (FGB) (Cont'd)6.6.2 Optional Features (Cont'd)(C) Local Transport Options

- (1) Customer Specification of Local Transport Termination
- (2) Optional Supervisory Signaling
- (3) Customer Specified Entry Switch Receive Level

Inasmuch as these options concern transmission levels and signaling they are set forth in 15.1.1 following.

(D) Optional Features Provided In Local Tariffs

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.

6.6.3 Design and Traffic Routing

For Feature Group B, the trunk directionality and traffic routing of the Switched Access Service between the customer designated premises and the entry switch are determined by the customer's order for service; except the Telephone Company will designate the first point(s) of switching and routing to be used where equal access is provided through a centralized equal access arrangement. Those Telephone Company offices providing equal access through centralized arrangements are identified in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4. Additionally, the customer may order the optional feature Customer Specification of Local Transport Termination as set forth in 15.1.1 following.

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6. Switched Access Service (Cont'd)6.6 Description and Provision of Feature Group B (FGB) (Cont'd)6.6.4 Measuring Access Minutes

Customer traffic to end offices will be measured (i.e., recorded) or assumed by the Telephone Company at end office switches or access tandem switches. Originating and terminating calls will be measured (i.e., recorded) or assumed by the Telephone Company to determine the basis for computing chargeable access minutes. In the event the customer message detail is not available because the Telephone Company lost or damaged tapes or incurred recording system outages, the Telephone Company will estimate the volume of lost customer access minutes of use based on previously known values.

For both originating and terminating calls over FGB the measured minutes are the chargeable access minutes.

For originating calls over FGB, usage measurement begins when the originating FGB first point of switching receives answer supervision forwarded from the customer's point of termination, indicating the customer's equipment has answered.

The measurement of originating call usage over FGB ends when the originating FGB first point of switching 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 first point of switching.

For terminating calls over FGB, usage measurement begins when the terminating FGB first point of switching 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 ends when the terminating FGB first point of switching 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 first point of switching.

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6. Switched Access Service (Cont'd)6.6 Description and Provision of Feature Group B (FGB) (Cont'd)6.6.4 Measuring Access Minutes (Cont'd)

FGB 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.

Assumed minutes are used for FGB services which originate or terminate in end offices not equipped with measurement capabilities and in such cases are the chargeable access minutes.

Where originating and terminating measurement capability does not exist for Feature Group B provided to the first point of switching, the number of access minutes will be assumed, as set forth in 17.2.6(D) following, 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 assumed usage, as set forth in 17.2.6(D) following, or the measured usage, whichever is greater. If the usage in the measured direction exceeds the assumed access minutes per trunk per month, no usage will be assigned in the unmeasured direction. If the measured usage is less than the assumed access minutes per trunk per month, the usage in the unmeasured direction will be the assumed usage, as set forth in 17.2.6 following, for that unmeasured direction except that the total of measured and assumed minutes in such instances will not exceed the total assumed usage designated for two way calling set forth in 17.2.6(D) following. If the total exceeds the assumed minutes set forth in 17.2.6 following, the assigned minutes shall be reduced so that the total of measured and unmeasured minutes equals the assumed minutes for two way calling set forth in 17.2.6(D) following.

Additionally, when the trunk is arranged for one way calling and there is no measurement capability for that direction, assumed originating access minutes, as set forth in 17.2.6(E) following, will be assigned for originating calling only lines and assumed terminating access minutes, as set forth in 17.2.6(F) following, will be assigned for terminating calling only lines.

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6. Switched Access Service (Cont'd)6.6 Description and Provision of Feature Group B (FGB) (Cont'd)6.6.4 Measuring Access Minutes (Cont'd)

The following matrix illustrates the application of assumed access minutes for FGB as set forth in 17.2.6(D), (E) and (F) following.

<u>Service Ordered As</u>	<u>Can Measure Originating</u>	<u>Can't Measure Originating</u>	<u>Can Measure Terminating</u>	<u>Can't Measure Terminating</u>
Originating Only	Actual	3,132	N/A	N/A
Terminating Only	N/A	N/A	Actual	5,568
Both Originating and Terminating (originating measurement greater than 8700)	Actual	N/A	N/A	0
Both Originating and Terminating (originating measurement equal or less than 8700)	Actual	NA	N/A	0 to 5,568*
Both Originating and Terminating (terminating measurement greater than 8700)	N/A	0	Actual	N/A
Both Originating and Terminating (terminating measurement equal or less than 87005)	N/A	0 to 3,132*	Actual	N/A

* Sum of actual and assumed cannot exceed 8,700. Reduce assumed minutes of use if necessary.

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6. Switched Access Service (Cont'd)6.6 Description and Provision of Feature Group B (FGB) (Cont'd)6.6.4 Measuring Access Minutes (Cont'd)

Notwithstanding the preceding, when Feature Group B is used for the provision of WATS or WATS-type service where measurement capability exists at the WATS Serving Office but not at the Feature Group B first point of switching, the measured WATS or WATS-type originating and/or terminating minutes of use shall be separately summed and compared to their respective total assumed originating and/or terminating minutes of use. The number of minutes per trunk per month will be the assumed or the measured usage, whichever is greater.

When Feature Group B is ordered at an access tandem and end office specific usage measurement is not available, the actual or assumed originating and/or terminating minutes of use as determined by the exchange carrier providing the access tandem will be apportioned among all subtending end offices. For each end office, such apportionment shall be based on the ratio of the total number of subscriber lines in each end office subtending the access tandem to the total number of subscriber lines associated with all end offices subtending the access tandem. For purposes of administering this regulation, subscriber lines are defined as exchange service lines, Centrex lines and Centrex-type lines provided by the telephone companies under local and/or general exchange service tariffs. The resulting ratio for each end office is then applied to the total access area originating and/or terminating minutes of use to determine originating and/or terminating minutes of use to be assigned for billing purposes to each subtending end office in the access area.

The ratio used to calculate the access minutes will be determined by the Telephone Company and provided to the customer upon his request within fifteen (15) days of the receipt of such request.

6.6.5 Testing Capabilities

FGB is provided, in the terminating direction where equipment is available, with seven digit access to balance (100 type) test line, milliwatt (102 type) test line, nonsynchronous or synchronous test line, automatic transmission measuring (105 type) test line, data transmission (107 type) test line, loop around test line, short circuit test line and open circuit test line. In addition to the tests described in 6.2.4 preceding which are included with the installation of service (Acceptance Testing) and as ongoing routine testing, Additional Cooperative Acceptance Testing, Additional Automatic Testing, and Additional Manual Testing are available as set forth in 13.3.1 following.

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6. Switched Access Service (Cont'd)6.7 Description and Provision of Feature Group C (FGC)6.7.1 Description

- (A) FGC Access provides trunk side access to Telephone Company end office switches for the customer's use in originating and terminating communications. Originating and terminating FGC Access is available to providers of MTS and WATS. Originating FGC Access is available to all customers when used to provide the Interim NXX Translation optional feature. Terminating FGC access is available to all customers other than providers of MTS and WATS when such access is used in conjunction with the provision of the Interim NXX Translation optional feature, but only for purposes of testing. Existing FGC Access will be converted to Feature Group D Access when Feature Group D Access becomes available in an end office. Special Access Services utilized for connection with FGC at Telephone Company designated WATS Serving Offices as set forth in Section 7 following may be ordered separately by a customer other than the customer which orders the FGC Switched Access Service (i.e., a provider of MTS and WATS) for the provision of WATS Services. Special Access Services are ordered as set forth in 5.2 preceding.
- (B) Feature Group C switching is provided at all end office switches unless Feature Group D end office switching is provided in the same office. When FGD switching is available, FGC switching will not be provided. FGC is provided at Telephone Company end office switches on a direct trunk basis or via Telephone Company designated access tandem switches. Feature Group C switching is furnished to providers of MTS and WATS. Additionally, originating Feature Group C switching is available to all customers when used to provide the Interim NXX Translation optional feature. Terminating Feature Group C switching is available to all customers who are not MTS and WATS providers only when such terminating access is for purposes of testing Feature Group C facilities provided in conjunction with the Interim NXX Translation optional feature.
- (C) FGC is provided as trunk side switching through the use of end office or access tandem switch trunk equipment. The switch trunk equipment is provided with answer and disconnect supervisory signaling. 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.

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6. Switched Access Service (Cont'd)6.7 Description and Provision of Feature Group C (FGC) (Cont'd)6.7.1 Description (Cont'd)

- (D) FGC is provided with multifrequency address signaling except in certain electromechanical end office switches where multifrequency signaling is not available. In such switches, the address signaling will be dial pulse or immediate dial pulse 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.
- (E) No access code is required for FGC switching. 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.
- (F) FGC switching, when used in the terminating direction, may be used to access valid NXXs in the LATA, community information services of an information provider, and other customer's services (by dialing the appropriate codes) when the services can be reached using valid NXX codes. When directly routed to an end office, only those valid NXX codes served by that office may be accessed. When routed through an access tandem, only those valid NXX codes served by offices subtending the access tandem may be accessed. 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 access codes, local operator assistance (0- and 0+), Directory Assistance (411 and 555-1212), service codes 611 and 911 and 101XXXX access codes. Calls will be completed to Directory Assistance (NPA-555-1212 or 555-1212) when FGC switching is combined with Directory Assistance switching. 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)6.7 Description and Provision of Feature Group C (FGC) (Cont'd)6.7.1 Description (Cont'd)

- (G) The Telephone Company will establish a trunk group or groups for the customer at end office switches or access tandem switches where FGC switching is provided. When required by technical limitations, a separate trunk group will be established for each type of FGC switching arrangement provided. Different types of FGC or other switching arrangements may be combined in a single trunk group at the option of the Telephone Company.
- (H) Unless prohibited by technical limitations the providers of MTS and WATS may, at their option, combine Interim NXX Translation traffic in the same trunk group arrangement with their non-Interim NXX Translation traffic. When required by technical considerations, or when provided to a customer other than the provider of MTS and WATS, or at the request of the customer (i.e., provider of MTS and WATS), a separate trunk group will be established for Interim NXX Translation traffic.
- (I) Operator Transfer Service may be provided with FGC Switched Access Service at Telephone Company designated Operator Services locations.

The Telephone Company will provide Operator Transfer Service for calls originating from telephone numbers associated with exchange service lines in end offices subtending the Operator Services location. Operator Transfer Service is provided as set forth in 6.10.3(B) following.
- (J) FGC switching is provided with multifrequency address signaling or out of band SS7 signaling where technically feasible. With multifrequency address signaling and SS7 signaling, 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.

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6. Switched Access Service (Cont'd)6.7 Description and Provision of Feature Group C (FGC) (Cont'd)6.7.2 Optional Features

Following are descriptions of the various nonchargeable and chargeable optional features that are available in lieu of, or in addition to, the standard features provided with Feature Group C. Nonchargeable optional features are provided as Common Switching, Transport Termination and Local Transport options as set forth in (A) through (C) following. Chargeable optional features are set forth in (D) following.

(A) Common Switching Options

Descriptions of the common switching optional features are set forth in 6.9 following.

- (1) Automatic Number Identification (ANI)
- (2) Signaling Options
 - (a) Delay Dial Start-Pulsing Signaling
 - (b) Immediate Dial Pulse Address Signaling
 - (c) Dial Pulse Address Signaling
- (3) Service Class Routing
- (4) Alternate Traffic Routing
- (5) Trunk Access Limitation
- (6) Band Advance Arrangement Associated with Special Access Service Utilized in the Provision of WATS Service
- (7) End Office End User Line Service Screening for Use with Special Access Service Utilized in the Provision of WATS Service
- (8) Hunt Group Arrangement for Use with Special Access Service Utilized in the Provision of WATS Service

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6. Switched Access Service (Cont'd)6.7 Description and Provision of Feature Group C (FGC) (Cont'd)6.7.2 Optional Features (Cont'd)(A) Common Switching Options (Cont'd)

- (9) Uniform Call Distribution Arrangement for Use with Special Access Service Utilized in the Provision of WATS Services
- (10) Nonhunting Number Associated with a Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use with Special Access Service Utilized in the Provision of WATS Services
- (11) Digital Switched 56 Service

(B) Transport Termination Options

- (1) Operator Trunk - Coin, Non-Coin, or Combined Coin and Non-Coin

The Operator Trunk option is set forth in 6.10.2(B) following.

(C) Local Transport Options

- (1) Supervisory Signaling

The Supervisory Signaling optional feature, due to its technical nature, is set forth in 15.1.1 following.

- (2) Signaling System 7 (SS7)

The SS7 optional feature allows the customer to receive signals for out of band call set up and is available with Feature Group C. This option requires the establishment of a signaling connection between the customer's designated premises/SPOI and a Signaling Transfer Point (STP).

SS7 is provided in both the originating and terminating direction on FGC and each signaling connection is provisioned for two way SS7 signaling information.

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6. Switched Access Service (Cont'd)6.7 Description and Provision of Feature Group C (FGC) (Cont'd)6.7.2 Optional Features (Cont'd)(C) Local Transport Options (Cont'd)(3) Multifrequency Address Signaling(4) Calling Party Number (CPN)(5) Charge Number Parameter (CNP)(6) 64 Clear Channel Capability

The 64 Clear Channel Capability optional feature, due to its technical nature, is set forth in 15.1.1 following.

(D) Chargeable Optional Features(1) Interim NXX Translation

The Interim NXX Translation Optional Feature is set forth in 6.10.3(A) following.

(2) Operator Transfer Service

The Operator Transfer Service Optional Feature is provided as set forth in 6.10.3(B) following.

(3) Common Channel Signaling/Signaling System 7 (CCS/SS7) Network Connection Service (CCSNC)

The CCSNC Optional Feature is provided as set forth in 6.10.3(C) following.

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6. Switched Access Service (Cont'd)6.7 Description and Provision of Feature Group C (FGC) (Cont'd)6.7.3 Design and Traffic Routing

For Feature Group C, the Telephone Company shall design and determine the routing of Switched Access Service. Additionally, for Tandem Switched Transport, the Telephone Company will design and determine the routing from the first point of switching to the end office. The Telephone Company shall also decide if capacity is to be provided by originating only, terminating only, or two-way trunk groups. Finally, the Telephone Company will decide whether trunk side access will be provided through the use of two-wire or four-wire trunk terminating equipment.

Selection of facilities and equipment and traffic routing of the service are based on standard engineering methods, available facilities and equipment, and actual traffic patterns.

6.7.4 Measuring Access Minutes

Customer traffic to end offices will be measured (i.e., recorded) by the Telephone Company at end office switches or access tandem switches. Originating and terminating calls will be measured or imputed by the Telephone Company 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 incurred recording system outages, the Telephone Company will estimate the volume of lost customer access minutes of use based on previously known values.

For terminating calls over FGC when measurement capability exists, the measured minutes are the chargeable access minutes. For originating calls over FGC, chargeable originating access minutes are derived from recorded minutes in the following manner:

Step 1: Obtain recorded originating minutes and messages from the appropriate recording data.

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, TFC, 900, directory assistance and international from a sample study which analyzes the ultimate completion status of the total attempts which receive acknowledgement from the customer. That is, Measured Messages divided by Completion Ratio equals Total Attempts.

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6. Switched Access Service (Cont'd)6.7 Description and Provision of Feature Group C (FGC) (Cont'd)6.7.4 Measuring Access Minutes (Cont'd)

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 acknowledgement of receipt of call to called party answer (set up and ringing) plus the time on an incompleting attempt from customer acknowledgement of call until the 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.

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

$$(1) \text{ Total Attempts} = \frac{1,000(\text{M. Mes})}{.75 (\text{CR})} = 1,333.3$$

$$(2) \text{ Total NCTA} = .4 (\text{NCTA per Attempt}) \times 1,333.33 = 533.33$$

$$(3) \text{ Total Chargeable Originating Access Minutes} = 7,000 (\text{M. Min}) + 533.33 (\text{NCTA}) = 7,533.33$$

FGC 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.

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6. Switched Access Service (Cont'd)6.7 Description and Provision of Feature Group C (FGC) (Cont'd)6.7.4 Measuring Access Minutes (Cont'd)Originating Usage

For originating calls over FGC, provided with Multi-Frequency Signaling, usage measurement begins when the originating FGC first point of switching receives answer supervision from the customer's point of termination, indicating the called party has answered.

For originating calls over FGC provided with Signaling System 7 (SS7) Signaling when the FGC end office is not routed through an access tandem for connection to the customer, usage measurement begins when the SS7 Initial Address Message is sent from the Service Switching Point (SSP) to the Signal Transfer Point (STP).

For originating calls over FGC provided with Signaling System 7 (SS7) Signaling when the FGC end office is routed through a tandem for connection to the customer, usage measurement begins when the FGC end office receives the SS7 Exit Message from the tandem.

The measurement of originating call usage over FGC provided with Multi-Frequency Signaling ends when the originating FGC first point of switching 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 first point of switching.

The measurement of originating call usage over FGC provided with SS7 Signaling ends when the originating FGC end office receives an SS7 Release Message indicating either the originating or terminating end user has disconnected.

Terminating Usage

For terminating calls over FGC the chargeable access minutes are either measured or derived. For terminating calls over FGC where measurement capability does not exist, terminating FGC usage is derived from originating usage, excluding usage from calls to closed end services or Directory Assistance Services.

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6. Switched Access Service (Cont'd)6.7 Description and Provision of Feature Group C (FGC) (Cont'd)6.7.4 Measuring Access Minutes (Cont'd)Terminating Usage (Cont'd)

For terminating calls over FGC provided with Multi-Frequency Signaling, where measurement capability exists, the measurement of chargeable access minutes begins when the terminating FGC first point of switching receives answer supervision from the terminating end user's end office, indicating the terminating end user has answered. This measurement ends when the terminating FGC first point of switching receives an on-hook supervisory signal from 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 first point of switching.

For terminating calls over FGC with SS7 signaling, usage measurement begins when the terminating recording switch receives answer supervision from the terminating end user. The Telephone Company switch receives answer supervision and sends the indication to the customer in the form of an answer message. The measurement of terminating FGC call usage ends when the entry switch receives or sends a Release Message, whichever occurs first.

6.7.5 Design Blocking Probability

The Telephone Company will design the facilities used in the provision of Switched Access Service FGC to meet the blocking probability criteria as set forth in (A) and (B) following.

- (A) For Feature Group C, the design blocking objective will be no greater than one percent (.01) between the point of termination at the customer's designated 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.
- (B) The Telephone Company will perform routine measurement functions 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) 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.

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6. Switched Access Service (Cont'd)6.7 Description and Provision of Feature Group C (FGC) (Cont'd)6.7.5 Design Blocking Probability (Cont'd)

(B) (Cont'd)

- (1) For transmission paths carrying only first routed traffic direct between an end office and customer's designated 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			
	15-20	11-14	7-10	3-6
	Measurements	Measurements	Measurements	Measurements
2	7%	8%	9%	14%
3	5%	6%	7%	9%
4	5%	6%	7%	8%
5-6	4%	5%	6%	7%
7 or more	3%	3.5%	4%	6%

- (2) For transmission paths carrying first routed traffic between an end office and customer's premises via an 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	11-14	7-10	3-6
	Measurements	Measurements	Measurements	Measurements
2	4.5%	5.5%	6.0%	9.5%
3	3.5%	4.0%	4.5%	6.0%
4	3.5%	4.0%	4.5%	5.5%
5-6	2.5%	3.5%	4.0%	4.5%
7 or more	2.0%	2.5%	3.0%	4.0%

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6. Switched Access Service (Cont'd)6.7 Description and Provision of Feature Group C (FGC) (Cont'd)6.7.6 Testing Capabilities

FGC is provided, in the terminating direction where equipment is available, with seven digit access to balance (100 type) test line, milliwatt (102 type) test line, nonsynchronous or synchronous test line, automatic transmission measuring (105 type) test line, data transmission (107 type) test line, loop around test line, short circuit test line and open circuit test line. In addition to the tests described in 6.2.4 preceding which are included with the installation of service (Acceptance Testing) and as ongoing routine testing, Additional Cooperative Acceptance Testing, Additional Automatic Testing and Additional Manual Testing are available as set forth in 13.3.1 following.

6.8 Description and Provision of Feature Group D (FGD)6.8.1 Description

- (A) FGD Access, which is available to all customers, provides trunk side access to Telephone Company end office switches. Special Access Services utilized for connection with FGD at Telephone Company designated WATS Serving offices as set forth in Section 7 following may be ordered separately by a customer other than the customer which orders the FGD Switched Access Service for the provision of WATS or WATS-type services. Special Access Services are ordered as set forth in 5.2 preceding.
- (B) FGD is provided at Telephone Company designated end office switches whether routed directly or via Telephone Company designated electronic access tandem switches. The Telephone Company will designate the first point(s) of switching for FGD services where the Telephone Company elects to provide equal access through a centralized equal access arrangement. Those Telephone Company offices providing equal access through centralized arrangements are identified in National Exchange Carrier Association, Inc. Tariff F.C.C. No.4.
- (C) FGD is provided as trunk side switching through the use of end office or access tandem switch trunk equipment. The switch trunk equipment is provided with wink start start-pulsing signals and answer and disconnect supervisory signaling.

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6. Switched Access Service (Cont'd)6.8 Description and Provision of Feature Group D (FGD)6.8.1 Description

- (D) FGD switching is provided with multifrequency address signaling or out of band SS7 signaling. With multifrequency address signaling and SS7 signaling, 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.
- (E) FGD switching, when used in the terminating direction, may be used to access valid NXXs in the LATA, community information services of an information service provider, and other customers' services (by dialing the appropriate codes) when such services can be reached using valid NXX codes. When directly routed to an end office, only those valid NXX codes served by that office may be accessed. When routed through an access tandem, only those valid NXX codes served by end offices subtending the access tandem may be accessed. 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 FGD 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 access codes, local operator assistance (0- and 0+), Directory Assistance (411 and 555-1212), service codes 611 and 911 and 101XXXX access codes. Calls will be completed to Directory Assistance (NPA-555-1212 or 555-1212) when FGD switching is combined with Directory Assistance switching. FGD 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)6.8 Description and Provision of Feature Group D (FGD) (Cont'd)6.8.1 Description (Cont'd)

(F) The Telephone Company will establish a trunk group or groups for the customer at end office switches or access tandem switches where FGD switching is provided. When required by technical limitations, a separate trunk group will be established for each type of FGD switching arrangement provided. Different types of FGD or other switching arrangements may be combined in a single trunk group at the option of the Telephone Company.

(G) The access code for FGD switching is a uniform access code of the form 101XXXX. A uniform access code(s) will be the assigned number of all FGD access provided to the customer by the Telephone Company. 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 13.4 following.

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 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.

When the 101XXXX access code is used, FGD switching 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 designated premises.

(H) FGD switching will be arranged to accept calls from telephone exchange service locations without the need for dialing the 101XXXX uniform access code. Each telephone exchange service line may be marked with a code to identify which 101XXXX code its calls will be directed to for interLATA service.

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6. Switched Access Service (Cont'd)6.8 Description and Provision of Feature Group D (FGD) (Cont'd)6.8.1 Description (Cont'd)

- (I) Unless prohibited by technical limitations, the customer's Interim NXX Translation traffic may, at the option of the customer, be combined in the same trunk group arrangement with the customer's non- Interim NXX Translation traffic. When required by technical limitations, or at the request of the customer, a separate trunk group will be established for Interim NXX Translation traffic.
- (J) When a customer has had FGB access in an end office and subsequently replaces the FGB access with FGD access, at the mutual agreement of the customer and the Telephone Company, the Telephone Company will direct calls dialed by the customer's end users using the customer's previous FGB access code to the customer's FGD access service. The customer must be prepared to handle normally dialed FGD calls, as well as calls dialed with the FGB access code which requires the customer to receive additional address signaling from the end user. Such calls will be rated as FGD. The Telephone Company may, with 90 days' written notice to the customer, discontinue this arrangement.
- (K) For FGD switched access service to a Wireless Switching Center (WSC) directly interconnected to a Telephone Company access tandem office, the customer will be billed only the Local Transport rate element for the FGD usage. The mileage used to determine the monthly rate for the local transport rate element is as set forth in 6.4.6(G) preceding.
- (L) Operator Transfer Service (forwarding of 0- calls) may be provided with FGD Switched Access Service at Telephone Company designated Operator Services locations.

The Telephone Company will provide Operator Transfer Service for calls originating from telephone numbers associated with exchange service lines in end offices subtending the Operator Services location. Operator Transfer Service is provided as set forth in 6.10.3(B) following.

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6. Switched Access Service (Cont'd)6.8 Description and Provision of Feature Group D (FGD) (Cont'd)6.8.2 Optional Features

Following are the various nonchargeable and chargeable optional features that are available in lieu of, or in addition to, the standard features provided with Feature Group D. Nonchargeable Optional Features are provided as Common Switching, Transport Termination and Local Transport options as set forth in (A) through (C) following. Chargeable optional features are set forth in (D) following.

(A) Common Switching Options

Descriptions of the common switching optional features are set forth in 6.9 following.

- (1) Automatic Number Identification (ANI)
- (2) Service Class Routing
- (3) Alternate Traffic Routing
- (4) Trunk Access Limitation
- (5) Call Gapping Arrangement
- (6) International Carrier Option
- (7) Band Advance Arrangement for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services
- (8) End Office End User Line Service Screening for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services
- (9) Hunt Group Arrangement for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services
- (10) Uniform Call Distribution Arrangement for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services
- (11) Nonhunting Number Associated with Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services
- (12) Digital Switched 56 Service

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6. Switched Access Service (Cont'd)6.8 Description and Provision of Feature Group D (FGD) (Cont'd)6.8.2 Optional Features (Cont'd)(B) Transport Termination Options(1) Operator Trunk - Full Feature

The Operator Trunk optional feature is set forth in 6.9.2(C) following.

(C) Local Transport Options(1) Supervisory Signaling

The Supervisory Signaling optional feature, due to its technical nature, is set forth in 15.1.1 following.

(2) Signaling System 7 (SS7)

The SS7 optional feature allows the customer to send and receive signals for out of band call set up and is available with Feature Group D. This option requires the establishment of a signaling connection between the customer's designated premises/ Signaling Point of Interface and a Telephone Company's Signaling Transfer Point (STP).

SS7 is provided in both the originating and terminating direction on FGD and each signaling connection is provisioned for two-way SS7 signaling information.

(3) Multifrequency Address Signaling(4) Calling Party Number (CPN) Parameter(5) Charge Number Parameter (CNP)(6) Carrier Selection Parameter (CSP)(7) 64 Clear Channel Capability

The 64 Clear Channel Capability optional feature, due to its technical nature, is set forth in 15.1.1 following.

(8) Carrier Identification Parameter (CIP)

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6. Switched Access Service (Cont'd)6.8 Description and Provision of Feature Group D (FGD) (Cont'd)6.8.2 Optional Features (Cont'd)(D) Chargeable Optional Features(1) Interim NXX Translation

The Interim NXX Translation Optional Feature is set forth in 6.10.3(A) following.

(2) Operator Transfer Service

The Operator Transfer Service Optional Feature is provided as set forth in 6.10.3 (B) following.

(3) Common Channel Signaling/Signaling System 7 (CCS/SS7) Network Connection Service (CCSNC)

The CCSNC Optional Feature is provided as set forth in 6.10.3 (C) following.

6.8.3 Design and Traffic Routing

For Feature Group D, the Telephone Company shall design and determine the routing of Tandem Switched Access Service, including the selection of the first point of switching and the selection of facilities from the interface to any switching point and to the end offices where busy hour minutes of capacity are ordered. The Telephone Company shall also decide if capacity is to be provided by originating only, terminating only, or two-way trunk groups. Finally, the Telephone Company will decide whether trunk side access will be provided through the use of two-wire or four-wire trunk terminating equipment.

For Feature Group D Direct Trunked Transport service, the Telephone Company will determine the routing of Switched Access Service from the point of interface to the first point of switching or, if the customer specified one or more hub locations for multiplexing, from the point of interface to the hub location, from one hub location to another hub location, and/or from a hub location to the first point of switching.

Selection of facilities and equipment and traffic routing of the service is based on standard engineering methods, available facilities and equipment, and actual traffic patterns. The Telephone Company will designate the first point(s) of switching and routing to be used where equal access is provided through a centralized equal access arrangement.

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6. Switched Access Service (Cont'd)6.8 Description and Provision of Feature Group D (FGD) (Cont'd)6.8.4 Measuring Access Minutes

Customer traffic to end offices will be recorded at end office switches or access tandem switches. Originating and terminating calls will be measured or derived 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 incurred recording system outages, the Telephone Company will estimate the volume of lost customer access minutes of use based on previously known values.

FGD access minutes or fractions thereof, the exact value of the fraction being a function of the switch technology where the measurement is made, are accumulated over the billing period for each end office, and are then rounded up to the nearest access minute for each end office.

Originating Usage

For originating calls over FGD the measured minutes are the chargeable access minutes.

For originating calls over FGD, provided with Multi-Frequency Signaling, usage measurement begins when the originating FGD first point of switching receives the first wink supervisory signal forwarded from the customer's point of termination.

For originating calls over FGD provided with Signaling System 7 (SS7) Signaling when the FGD end office is not routed through an access tandem for connection to the customer, usage measurement begins when the SS7 Initial Address Message is sent from the Service Switching Point (SSP) to the Service Transfer Point (STP).

For originating calls over FGD provided with Signaling System 7 (SS7) Signaling when the FGD end office is routed through a tandem for connection to the customer, usage measurement begins when the FGD end office receives the SS7 Exit Message from the tandem.

The measurement of originating call usage over FGD provided with Multi-Frequency Signaling ends when the originating FGD first point of switching 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 first point of switching.

The measurement of originating call usage over FGD provided with SS7 Signaling ends when the originating FGD end office receives an SS7 Release Message indicating either the originating or terminating end user has disconnected.

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6. Switched Access Service (Cont'd)6.8 Description and Provision of Feature Group D (FGD) (Cont'd)6.8.4 Measuring Access Minutes (Cont'd)Terminating Usage

For terminating calls over FGD the chargeable access minutes are either measured or derived.

For terminating calls over FGD provided with Multi-Frequency Signaling, where measurement capability exists, the measurement of chargeable access minutes begins when the terminating FGD first point of switching receives answer supervision from the terminating end user's end office, indicating the terminating end user has answered. This measurement ends when the terminating FGD first point of switching 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 first point of switching.

For terminating calls over FGD, where measurement capability does not exist, terminating FGD usage is derived from originating usage, excluding usage from calls to closed end services or Directory Assistance Services.

For terminating calls over FGD with SS7 signaling, usage measurement begins when the terminating recording switch receives answer supervision from the terminating end user. The Telephone Company switch receives answer supervision and sends the indication to the customer in the form of an answer message. The measurement of terminating FGD call usage ends when the entry switch receives or sends a release message, whichever occurs first.

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6. Switched Access Service (Cont'd)6.8 Description and Provision of Feature Group D (FGD) (Cont'd)6.8.5 Design Blocking Probability

The Telephone Company will design the facilities used in the provision of Switched Access Service FGD to meet the blocking probability criteria as set forth in (A) and (B) following.

- (A) For Feature Group D, the design blocking objective will be no greater than one percent (.01) between the point of termination at the customer's designated premises and the end office switch, whether the traffic is directly routed without an alternate route or routed via an 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.
- (B) The Telephone Company will perform routine measurement functions 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.

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6. Switched Access Service (Cont'd)6.8 Description and Provision of Feature Group D (FGD) (Cont'd)6.8.5 Design Blocking Probability (Cont'd)

(B) (Cont'd)

- (1) For transmission paths carrying only first routed traffic direct between an end office and customer's designated premises without an alternate route, and for paths carrying only overflow traffic, the measured blocking thresholds are as follows:

<u>Number of Transmission Paths Per Trunk Group</u>	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. <u>Per Trunk Group</u>			
	15-20	11-14	7-10	3-6
	Measurements	Measurements	Measurements	Measurements
2	7%	8.0%	9%	14.0%
3	5%	6.0%	7%	9.0%
4	5%	6.0%	7%	8.0%
5-6	4%	5.0%	6%	7.0%
7 or more	3%	3.5%	4%	6.0%

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

<u>Number of Transmission Paths Per Trunk Group</u>	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. <u>Per Trunk Group</u>			
	15-20	11-14	7-10	3-6
	Measurements	Measurements	Measurements	Measurements
2	4.5%	5.5%	6.0%	9.5%
3	3.5%	4.0%	4.5%	6.0%
4	3.5%	4.0%	4.5%	5.5%
5-6	2.5%	3.5%	4.0%	4.5%
7 or more	2.0%	2.5%	3.0%	4.0%

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6. Switched Access Service (Cont'd)6.8 Description and Provision of Feature Group D (FGD) (Cont'd)6.8.6 Network Blocking Charge

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 Feature Group D traffic and the measured access minutes for that hour exceed the capacity purchased. Excessive trunk group blocking occurs when the blocking thresholds stated below are exceeded. They are predicated 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 17.2.2 following, 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 purchased.

Blocking Thresholds

<u>Trunks in Service</u>	<u>1%</u>	<u>1/2%</u>
1-2	7.0%	4.5%
3-4	5.0%	3.5%
5-6	4.0%	2.5%
7 or greater	3.0%	2.0%

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 an access tandem.

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6. Switched Access Service (Cont'd)6.8 Description and Provision of Feature Group D (FGD) (Cont'd)6.8.7 Testing Capabilities

FGD is provided, in the terminating direction where equipment is available, with seven digit access to balance (100 type) test line, milliwatt (102 type) test line, nonsynchronous or synchronous test line, automatic transmission measuring (105 type) test line, data transmission (107 type) test line, loop around test line, short circuit test line and open circuit test line. In addition to the tests described in 6.2.4 preceding, which are included with the installation of service (Acceptance Testing) and as ongoing routine testing, Additional Cooperative Acceptance Testing, Additional Automatic Testing and Additional Manual Testing, are available as set forth in 13.3.1 following.

When SS7 Signaling is ordered, network compatibility and other testing will be performed cooperatively by the Telephone Company and the customer as specified in Technical References TR-TSV 000905.

6.9 Interim Access6.9.1 Abbreviated Dialing Arrangement (ADA)

FGB Switched Access Service with an ADA (FGB ADA) is available to all customers, other than providers of MTS/WATS, from Telephone Company designated end offices. FGB ADA enables end users to utilize a one or two digit access code to access customers who have ordered this service.

(A) FGB ADA Exceptions

FGB ADA is available to all customers other than providers of MTS/WATS and is provisioned like FGB Switched Access Service as set forth in 6.6.1 preceding with the following exceptions:

- (1) FGB ADA is available as originating only service, or as both originating and terminating service (2-way). FGB ADA is not available as terminating only service.

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6. Switched Access Service (Cont'd)6.9 Interim Access (Cont'd)6.9.1 Abbreviated Dialing Arrangement (ADA) (Cont'd)(A) FGB ADA Exceptions (Cont'd)

- (2) FGB ADA is only provided by direct routing to an end office switch.
- (3) The forms of the access code for originating FGB ADA switching are N or NX.* Assignment of FGB ADA access codes will be on a first-come, first-served basis and is subject to the availability of access code numbers.
- (4) Calls in the terminating direction will not be completed to FGB with an ADA access code (N and NX.)

6.10 Chargeable and Nonchargeable Optional Features

Following are descriptions of the various optional features that are available in lieu of, or in addition to, the standard features provided with the Feature Groups. They are provided as Common Switching, Transport Termination, Interim NXX Translation options or Operator Transfer Service option. Local Transport options associated with Common Channel Signaling Network Connection Service (CCSNC) are described in 6.10.1 following. All other Local Transport options, due to their technical nature, are described in 15.1.1 following.

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6. Switched Access Service (Cont'd)6.10 Chargeable and Nonchargeable Optional Features (Cont'd)6.10.1 Common Switching Nonchargeable Optional Features

The following table shows the Feature Groups with which the optional features are available.

<u>Option</u>	<u>Available Feature Groups</u>			
	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>
A) Call Denial on Line or Hunt Group	X			
B) Service Code Denial on Line or Hunt Group	X			
C) Hunt Group Arrangement	X			
D) Uniform Call Distribution Arrangement	X			
E) Nonhunting Number for Use with Hunt Group or Uniform Call Distribution Arrangement	X			
F) Automatic Number Identification (ANI)		X	X	X
G) Up to 7 Digit Outpulsing of Access Digits to Customer		X		
H) Delay Dial Start-Pulsing Signaling			X	
I) Immediate Dial Pulse Address Signaling			X	
J) Dial Pulse Address Signaling			X	
K) Service Class Routing			X	X
L) Alternate Traffic Routing		X	X	X
M) Trunk Access Limitation			X	X
N) Call Gapping Arrangement				X
O) International Carrier Option				X
P) Band Advance Arrangement for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services	X	X	X	X
Q) End Office End User Line Service Screening for Use with Special Access Service\ Utilized in the Provision of WATS or WATS-Type Services			X	X
R) Hunt Group Arrangement for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services	X	X	X	X
S) Uniform Call Distribution Arrangement for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services	X	X	X	X
T) Nonhunting Number Associated with Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services	X	X	X	X

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6. Switched Access Service (Cont'd)6.10 Chargeable and Nonchargeable Optional Features (Cont'd)6.10.1 Common Switching Nonchargeable Optional Features (Cont'd)

<u>Option</u>	<u>Available Feature Groups</u>			
	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>
U) Digital Switched 56 Service	X	X	X	X
V) Multifrequency Address Signaling			X	X
W) Signaling System 7 (SS7) Signaling			X	X
X) Calling Party Number (CPN)			X	X
Y) Carrier Selection Parameter (CSP)				X
Z) Charge Number Parameter (CNP)			X	X
AA) Flexible Automatic Number Identification (Flex ANI)				X
AB) Carrier Identification Parameter (CIP)				X

(A) Call Denial on Line or Hunt Group

This option allows for the screening of terminating Feature Group A calls. There are two screening arrangements available with this option as follows: 1) limiting terminating calls for completion to only 411 or 555-1212 whichever is available, 611, 911, 800 series service 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 or, 2) limiting terminating calls to completion to only the NXXs associated with all end offices in the LATA, i.e., the call cannot be further switched or routed out of the LATA nor will calls be completed to 411 or 555-1212 whichever is available, 611, 911 or 800 series service. All other calls are routed to a reorder tone or recorded announcement. Arrangement 1 is provided in all Telephone Company electronic end offices and, where available, in electromechanical end offices. Arrangement 2 is provided where available. This feature is available with Feature Group A.

(B) Service Code Denial on Line or Hunt Group

This option allows for the screening of terminating calls within the LATA, and for disallowing completion of calls to 0-, 555 and N11 (e.g., 411, 611, and 911). This feature is provided where available in all Telephone Company end offices. It is available with Feature Group A.

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6. Switched Access Service (Cont'd)6.10 Chargeable and Nonchargeable Optional Features (Cont'd)6.10.1 Common Switching Nonchargeable Optional Features (Cont'd)(C) Hunt Group Arrangement

This option provides the ability to sequentially access one of two or more line side connections in the originating direction, when the access code of the line group is dialed. This feature is provided in all Telephone Company end offices. It is available with Feature Group A. All Feature Group A access services in the same hunt group must provide off-hook supervisory signaling from the same point in time in the call sequence i.e., all off-hook supervisory signals must either be provided by the customer's equipment before the called party answers or all must be forwarded by the customer's equipment when the called party answers.

(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 with Feature Group A.

(E) Nonhunting Number for Use with Hunt Group or Uniform Call Distribution Arrangement

This option provides access to an individual line within a multiline hunt or uniform call distribution group. When the nonhunting number is dialed, access is provided when it is idle, or busy tone is provided when it is busy. Where available, this feature is provided in Telephone Company electronic end offices only. It is available with Feature Group A.

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6. Switched Access Service (Cont'd)6.10 Chargeable and Nonchargeable Optional Features (Cont'd)6.10.1 Common Switching Nonchargeable Optional Features (Cont'd)(F) Automatic Number Identification (ANI)

- (1) This option provides the automatic transmission of a seven digit or ten digit number and information digits to the customer designated premises for calls originating in the LATA, to identify the calling station. The ANI feature is an end office software function which is associated on a call-by-call basis with:
 - (a) all individual transmission paths in a trunk group routed directly between an end office and a customer designated premises or, where technically feasible, with
 - (b) all individual transmission paths in a trunk group between an end office and an access tandem, and a trunk group between an access tandem and a customer designated premises.
- (2) The seven digit ANI telephone number is generally 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, pay telephones using Feature Group B, or when an ANI failure has occurred. Seven digit ANI is not available with SS7 Signaling.
- (3) The ten digit ANI telephone number is only available with Feature Group D. The ten digit ANI telephone number consists of the Number 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). Ten digit ANI is provided with multifrequency address signaling or SS7 signaling.
- (4) With Feature Group C, at the option of the customer, ANI may be ordered from end offices where Telephone Company recording for end user billing is not provided. Additionally, ANI is provided from end offices where message detail recording is not required by the Telephone Company; as with 800 series service. ANI is not provided from end offices where the Telephone Company forwards ANI to its recording equipment.

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6. Switched Access Service (Cont'd)6.10 Chargeable and Nonchargeable Optional Features (Cont'd)6.10.1 Common Switching Nonchargeable Optional Features (Cont'd)(F) Automatic Number Identification (ANI) (Cont'd)

- (5) Where complete ANI detail 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:

- (a) telephone number is the station billing number - no special treatment required,
- (b) 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,
- (c) 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,
- (d) hotel/motel originated call which requires room number identification,
- (e) coinless station, hospital, inmate, etc. call which requires special screening or handling by the customer, and
- (f) call is an Automatic Identified Outward Dialed (AIOD) call from customer premises equipment. The AIOD 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 generally available with Feature Groups B, C, and D.

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6. Switched Access Service (Cont'd)6.10 Chargeable and Nonchargeable Optional Features (Cont'd)6.10.1 Common Switching Nonchargeable Optional Features (Cont'd)(F) Automatic Number Identification (ANI) (Cont'd)

- (6) Additional ANI information digits are available with Feature Group D also. They include:

- (a) InterLATA restricted - telephone number is identified line
- (b) InterLATA restricted - hotel/motel line
- (c) InterLATA restricted - coinless, hospital, inmate, etc., line

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

Flexible Automatic Number Identification (Flex ANI) is an enhancement to ANI and is offered as a Common Switching Optional Feature Option of Feature Group D as described in 6.9.1(AA) following.

(7) Restrictions on Use and Sale of ANI

- (a) Interstate access customers of this tariff may use ANI in the following manner:
- (i) For billing and collection information, for routing, screening, and completing the originating subscriber's call or transaction, or for services directly related to the originating telephone subscriber's call or transaction.

The customer may use ANI to offer a product or service that is directly related to the products or services previously acquired from the customer by the originating subscriber.

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6. Switched Access Service (Cont'd)6.10 Chargeable and Nonchargeable Optional Features (Cont'd)6.10.1 Common Switching Nonchargeable Optional Features (Cont'd)(F) Automatic Number Identification (ANI) (Cont'd)(7) Restrictions on Use and Sale of ANI (Cont'd)

(b) Interstate access customers of this tariff may not use ANI in the following manner:

- (i) Reusing or selling the telephone number or billing information without first notifying the originating telephone subscriber and obtaining the affirmative consent of such subscriber for such reuse or sale.
- (ii) Disclosing (except as permitted in (a), preceding), any information derived from the ANI for any purpose other than 1) performing the services or transactions that are the subject of the originating subscriber's call, 2) ensuring network performance security and the effectiveness of call delivery, 3) compiling, using, and disclosing aggregate information, and 4) complying with applicable law or legal process.

(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 designated 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 designated premises using multifrequency signaling, and transmission of the digits would precede the forwarding of ANI if that feature were provided. This feature is available with Feature Group B.

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6. Switched Access Service (Cont'd)6.10 Chargeable and Nonchargeable Optional Features (Cont'd)6.10.1 Common Switching Nonchargeable Optional Features (Cont'd)(H) Delay Dial Start-Pulsing Signaling

Where available, 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, on-hook signaling sequence. The delay dial signal is the 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 Feature Group C.

(I) Immediate Dial Pulse Address Signaling

Where available, 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.

(J) Dial Pulse Address Signaling

Where available, this trunk side option provides for the transmission of number information, e.g., called number, between the end office switching system and the customer designated premises (in either direction) by means of direct current pulses. It is available with Feature Group C.

(K) 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, 888 or 900). It is provided in suitably equipped end office or access tandem switches. It is available with Feature Groups C and D.

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6. Switched Access Service (Cont'd)6.10 Chargeable and Nonchargeable Optional Features (Cont'd)6.10.1 Common Switching Nonchargeable Optional Features (Cont'd)(L) Alternate Traffic Routing

When the customer orders both Direct Trunked Transport and Tandem Switched Transport at the same end office, this option provides the capability of directing originating traffic from an end office (or appropriately equipped 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 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 office or access tandem switches. It is available with Feature Groups B, C and D.

(M) 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. It is available with Feature Groups C and D.

(N) 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. It is provided in selected Feature Group D equipped end offices and is available only with Feature Group D.

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6. Switched Access Service (Cont'd)6.10 Chargeable and Nonchargeable Optional Features (Cont'd)6.10.1 Common Switching Nonchargeable Optional Features (Cont'd)(O) International Carrier Option

This option allows for Feature Group D end offices or access tandem switches 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 the one designated by the end user either through presubscription or 101XXXX dialing). This arrangement requires provision of written verification to the Telephone Company that the customer is authorized to forward such calls. The written verification must be in the form of a letter of agency authorizing the customer to order the option on behalf of the international carrier. This option is only provided at Telephone Company end offices or access tandems equipped for International Direct Distance Dialing and is available only with Feature Group D.

(P) Band Advance Arrangement for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services

This option, which is provided in association with two or more Special Access Service groups, provides for the automatic overflow of terminating calls to a second Special Access Service group, when the first group has exceeded its call capacity. This option is available with Feature Groups A, B, C and D.

(Q) End Office End User Line Service Screening for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services

This option provides the ability to verify that an end user has dialed a called party address (by screening the called NPA and/or NXX on the basis of geographical bands selected by the Telephone Company) which is in accordance with that end user's service agreement with the customer, e.g., WATS. This option is provided in all Telephone Company electronic end offices and, where available, in electromechanical end offices which are designated as WATS Serving Offices. It is available with Feature Groups C and D.

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6. Switched Access Service (Cont'd)6.10 Chargeable and Nonchargeable Optional Features (Cont'd)6.10.1 Common Switching Nonchargeable Optional Features (Cont'd)(R) Hunt Group Arrangement for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services

This option provides the ability to sequentially access one of two or more Special Access Services utilized in the provision of WATS services (e.g., 800 Series Service Special Access services) in the terminating direction, when the hunting number of the Special Access Service group is forwarded from the customer to the Telephone Company. This feature is provided in all Telephone Company designated WATS Serving Offices. It is available with Feature Groups A, B, C and D.

(S) Uniform Call Distribution Arrangement for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services

This option provides a type of multiline hunting arrangement which provides for an even distribution of terminating calls among the available Special Access Services utilized in the provision of WATS or WATS-type Services in the hunt group. Where available, this feature is only provided in Telephone Company designated WATS Serving Offices. It is available with Feature Groups A, B, C and D.

(T) Nonhunting Number Associated with Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services

This option provides an arrangement, for an individual Special Access Service utilized in the provision of WATS or WATS-type Services within a multiline hunt or uniform call distribution group, that provides access to that Special Access Service 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, without hunting to the next idle number. Where available, this feature is only provided in Telephone Company designated WATS Serving Offices. It is available with Feature Groups A, B, C and D.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.10 Chargeable and Nonchargeable Optional Features (Cont'd)6.10.1 Common Switching Nonchargeable Optional Features (Cont'd)(U) Digital Switched 56 Service

This option provides for a connection between a customer's premise and a suitably equipped end user's premise which uses end office switching and facilities capable of transmitting digital data up to 56 Kilobits per second. Digital Switched 56 Service is only available in appropriately provisioned Feature Group C and Feature Group D offices as set forth in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4.

(V) Multifrequency Address Signaling

Multifrequency Address Signaling is available as an optional feature with FGC and FGD. This feature provides for the transmission of number information and control signals (e.g., number address signals, automatic number identification) between the end office switch and the customer's premises (in either direction). Multifrequency signaling arrangements make use of pairs of frequencies out of a group of six frequencies. Specific information transmitted is dependent upon feature group and call type (i.e., POTS, coin or operator). This feature is not available in combination with SS7 signaling.

(W) Signaling System 7 (SS7) Signaling

This feature provides common channel out of band transmission of address and supervisory SS7 protocol signaling information between the end office switch or the tandem office switching system and the customer's designated premises. The signaling information is transmitted over facilities provided with the Common Channel Signaling/Signaling System 7 Network Connection Service (CCSNC) as specified in 6.1.3(A)(9) preceding. This feature is available with FGC and FGD and will be provided in accordance with the SS7 Interconnect specifications described in Technical Reference GR-905-CORE.

(X) Calling Party Number (CPN)

This feature provides for the automatic transmission of the ten digit directory number, associated with a calling station, to the customer's premises for calls originating in the LATA. The ten digit telephone 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 ten digit telephone number will be coded as presented, or restricted via a "privacy indicator" for delivery to the called end user. This feature is automatically provided with originating FGC and FGD with SS7 signaling. CPN is available where technically feasible.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.10 Chargeable and Nonchargeable Optional Features (Cont'd)6.10.1 Common Switching Nonchargeable Optional Features (Cont'd)(X) Calling Party Number (CPN) (Cont'd)(1) Restrictions on Use and Sale of CPN

- (a) Interstate access customers of this tariff may use CPN in the following manner:

- (i) For billing and collection information, for routing, screening, and completing the originating subscriber's call or transaction, or for services directly related to the originating telephone subscriber's call or transaction.

The customer may use CPN to offer a product or service that is directly related to the products or services previously acquired from the customer by the originating subscriber.

- (b) Interstate access customers of this tariff may not use CPN in the following manner:

- (i) Reusing or selling the telephone number or billing information without first notifying the originating telephone subscriber and obtaining the affirmative consent of such subscriber for such reuse or sale.
- (ii) Disclosing (except as permitted in (a), preceding) any information derived from the CPN for any purpose other than 1) performing the services or transactions that are the subject of the originating subscriber's call, 2) ensuring network performance security and the effectiveness of call delivery, 3) compiling, using, and disclosing aggregate information, and 4) complying with applicable law or legal process.

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6. Switched Access Service (Cont'd)6.10 Chargeable and Nonchargeable Optional Features (Cont'd)6.10.1 Common Switching Nonchargeable Optional Features (Cont'd)(Y) Carrier Selection Parameter (CSP)

This feature provides for the automatic transmission of a signaling indicator which signifies to the customer whether or not the call being processed originated from a presubscribed line. If the line was presubscribed, the indicator will signify if the end user did or did not dial 101XXXX. This feature is provided with originating FGD with SS7 signaling.

(Z) Charge Number Parameter (CNP)

(1) The CNP Parameter is equivalent to the existing ten digit Automatic Number Identification (ANI) available with FGC where technically feasible and FGD with MF signaling. The CNP Parameter provides for the automatic transmission of the ten digit billing number of the calling station and the originating line information. This feature is provided with originating FGC and FGD with SS7 signaling.

(2) Restrictions on Use and Sale of CNP

(a) Interstate access customers of this tariff may use CNP in the following manner:

(i) For billing and collection information, for routing, screening and completing the originating subscriber's call or transaction, or for services directly related to the originating telephone subscriber's call or transaction.

The customer may use CNP to offer a product or service that is directly related to the products or services previously acquired from the customer by the originating subscriber.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.10 Chargeable and Nonchargeable Optional Features (Cont'd)6.10.1 Common Switching Nonchargeable Optional Features (Cont'd)(Z) Charge Number Parameter (CNP) (Cont'd)(2) Restrictions on Use and Sale of CNP (Cont'd)

- (b) Interstate access customers of this tariff may not use CNP in the following manner:
 - (i) Reusing or selling the telephone number or billing information without first notifying the originating telephone subscriber and obtaining the affirmative consent of such subscriber for such reuse or sale.
 - (ii) Disclosing, except as permitted in (a), preceding, any information derived from the CNP for any purpose other than 1) performing the services or transactions that are the subject of the originating subscriber's call, 2) ensuring network performance security and the effectiveness of call delivery, 3) compiling, using, and disclosing aggregate information, and 4) complying with applicable law or legal process.

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6. Switched Access Service (Cont'd)6.10 Chargeable and Nonchargeable Optional Features (Cont'd)6.10.1 Common Switching Nonchargeable Optional Features (Cont'd)(AA) Flexible Automatic Number Identification (Flex ANI)

Flex ANI is a Common Switching Optional Feature that enhances the existing Automatic Number Identification (ANI) optional feature (described in 6.10.1 (F) preceding) by allowing Feature Group D (FGD) customers to receive additional information digits. Flex ANI provides additional values for these information digits over and above the values currently available with ANI and is used to identify additional call types, e.g., 27 for pay telephones requiring central office coin supervision capability, 29 for prison/inmate pay telephones, and 70 for pay telephones not requiring central office coin supervision. Flex ANI can also be used to provide Originating Line Screening (OLS) service. OLS service is described in 13.10 following.

Flex ANI information digits are two digits in length and are activated through switched software program updates. These codes precede the 10-digit directory number of the calling line and are part of the signaling protocol in equal access end offices. The information digits are outpulsed by the switching system along with the directory number from the originating end office and are sent to the receiving office for billing, routing, or special handling purposes.

Customers who have ANI but do not order Flex ANI, will continue to receive the information digits associated with ANI. Flex ANI digits are assigned by the North American Numbering Plan Administrator. The Telephone Company will make available those information digits that are mutually agreed to by the customer and the Telephone Company.

Flex ANI is available to customers with FGD Switched Access Service equipped with ANI. Flex ANI is available in suitably equipped end offices.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.10 Chargeable and Nonchargeable Optional Features (Cont'd)6.10.1 Common Switching Nonchargeable Optional Features (Cont'd)(AB) Carrier Identification Parameter (CIP)

Carrier Identification Parameter (CIP) provides for the automatic transmission of the Carrier Identification Code (CIC) to the Customer Designated Premises for FGD calls originating in the LATA. The CIC is included in the Signaling System 7 information provided to the customer when the call originates from a presubscribed line or when the end user dials the customer's 101XXXX access code. CIP is available from suitably equipped end office and access tandems as identified in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4, when used in conjunction with Common Channel Signaling/Signaling System 7 Network Connection Service (CCSNC) as described in 6.10.3 (C) following and Signaling System 7 Signaling as described in 6.10.1 (W) preceding.

6.10.2 Transport Termination Nonchargeable 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 designated premises for originating calls. This option is provided in the form of a specific type of Transport Termination. It is available with Feature Group 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 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.

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6. Switched Access Service (Cont'd)6.10 Chargeable and Nonchargeable Optional Features (Cont'd)6.10.2 Transport Termination Nonchargeable Optional Features (Cont'd)(B) Operator Trunk - Coin, Non-Coin, or Combined Coin and Non-Coin (Cont'd)Coin, Non-Coin:

This arrangement provides for initial coin return control, except in the case of non-coin, and routing of 0+, 0-, 1+, 01+ or 011+ prefixed originating coin and non-coin calls requiring operator assistance to the customer designated 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.

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 automated operator services systems, rather than in the customer's manual cord boards.

Combined Coin and Non-Coin:

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 pay telephones, 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 Feature Group D and is provided as a trunk type for Transport Termination. This feature is not available with SS7 signaling.

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6. Switched Access Service (Cont'd)6.10 Chargeable and Nonchargeable Optional Features (Cont'd)6.10.3 Chargeable Optional Features(A) Interim NXX Translation

This service is an originating offering utilizing trunk side Switched Access Service and provides a customer identification function based on the dialed SAC and NXX code.

For example, when an 1+900+NXX-XXXX call is originated by an end user, the Telephone Company will perform the customer identification function based on the dialed digits to determine the customer location to which the call is to be routed. If the call originates from an end office switch not equipped to provide the customer identification function, the call will be routed to an office at which the function is available. Once customer identification has been established, the call will be routed to that customer. Calls originating from an end office switch at which the customer identification function is performed, but to which the customer has not ordered Interim NXX Translation, will be blocked.

Calls to a 900 number dialed via 1+ from coin telephones, 0- or 101XXXX, Inmate Service, and Hotel/Motel Service will be blocked. Calls to a 900 number dialed via 0+ will normally be blocked. Orders received from customers to unblock 0+ calls to a 900 number will be accommodated where suitably equipped facilities exist.

The manner in which Interim NXX Translation is provided is dependent on the status of the end office from which the service is provided (i.e., equipped with equal access capabilities or not equipped with equal access capabilities). When Interim NXX Translation is provided from an end office not equipped with equal access capabilities, it will be provided in conjunction with FGC Switched Access Service.

The charge for Interim NXX Translation is as set forth in 17.2.1(B) following.

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6. Switched Access Service (Cont'd)6.10 Chargeable and Nonchargeable Optional Features (Cont'd)6.10.3 Chargeable Optional Features (Cont'd)(B) Operator Transfer Service

At the option of the customer, Operator Transfer Service as specified following, is available for use with Feature Group C and Feature Group D Switched Access Service. Operator Transfer Service is ordered as set forth in 5.2 preceding and is provided to the customer via separate FGC or FGD trunks dedicated to Operator Transfer Service traffic.

Operator Transfer Service is an arrangement in which Telephone Company operators transfer 0 minus (0-) calls (calls for which the end user dials 0 with no additional digits) to the customer designated by the end user.

The operator transfer function will be performed in the following manner:

- The operator answers the 0- call.
- Initially, the Operator will suggest that the end user dial the customer on a direct basis. If the end user insists that the Operator transfer the call, the Operator will ask the end user to identify the desired customer and will then transfer the call as directed.
- 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 available customers.

The list of available Operator Transfer Service customers will be updated monthly. The order in which customers will be read to end users will be initially determined by the sequence in which customers have ordered the Operator Transfer Service. For each subsequent month, following the initial order for Operator Transfer Service, the customer in the first position on the list will be moved to the last position on the list. All other customers on the list will be moved up one position, e.g. 3rd to 2nd, 2nd to first, etc. New Operator Transfer Service customers will initially be placed at the bottom of the list of customers.

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6. Switched Access Service (Cont'd)6.10 Chargeable and Nonchargeable Optional Features (Cont'd)6.10.3 Chargeable Optional Features (Cont'd)(B) Operator Transfer Service (Cont'd)

0 minus pay telephone coin calls will be transferred to the end user designated customer. In order to accept coin sent- paid calls, the customer must order signalling as specified in GR-506-CORE and TR-NPL-000258.

The customer may receive inband, multi-wink, or expanded inband coin control signalling, where available, from end offices served by an Operator Services Access Point. Different signalling types cannot be mixed on a signal trunk group.

All non-recurring and usage sensitive rates and charges normally applicable to Feature Groups C or D apply to Operator Transfer Service. Additionally, a charge as specified in 6.1.3 (C)(2) preceding and 17.2.6 following, is assessed the customer per 0 minus call transferred.

(C) Common Channel Signaling/Signaling System 7 Network Connection Service (CCSNC)

Common Channel Signaling/Signaling System 7 (CCS/SS7) Network Connection Service (CCSNC), which is available with Feature Group C and D, where technically feasible as designated in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4, provides a signaling path between a customer's designated Signaling Point of Interface (SPOI) and a Signaling Transfer Point (STP). This service provides customers with the use of a two-way signaling path for accessing information necessary for the completion of their end user's calls.

CCS/SS7 Network Connection Service is comprised of two rate elements; a Signaling Network Access Link (SNAL) and a Signaling Transfer Point (STP) Port. The SNAL is provided as a dedicated 56 Kbps out-of-band signaling connection between the customer's SPOI and the STP port on the STP.

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6. Switched Access Service (Cont'd)6.10 Chargeable and Nonchargeable Optional Features (Cont'd)6.10.3 Chargeable Optional Features (Cont'd)(C) Common Channel Signaling/Signaling System 7 Network Connection Service (CCSNC) (Cont'd)

The CCS/SS7 Network Connection Service is provisioned by a mated pair of STPs as described in Technical Reference TR-TSV 000905 in order to ensure network availability and reliability. The Telephone Company shall not be held liable for service outages if the customer employs technology related to the interconnection of signaling networks that does not adhere to generally accepted industry technical standards.

When CCS/SS7 Network Connection service is provisioned for use with SS7 Signaling, interconnection between signalling networks must occur at an STP.

Rates and charges for the CCS/SS7 Network Connection STP Ports and Signaling Network Access Links are contained in 17.2.2 following.

(D) TFC Series Data Base Access Service

TFC Series Data Base Access Service is provided with FGC or FGD switched access service. When a call using a toll free service access code (SAC) (e.g., 1+8XX+NXX-XXXX) is originated by an end user, the Telephone Company will utilize the Signalling System 7 (SS7) network to query a TFC series service data base to perform the identification function. The call will then be routed to the identified customer over FGC or FGD switched access.

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6. Switched Access Service (Cont'd)6.10 Chargeable and Nonchargeable Optional Features (Cont'd)6.10.3 Chargeable Optional Features (Cont'd)(D) TFC Series Data Base Access Service (Cont'd)

The manner in which TFC Series Data Base Access Service is provided is dependent on the availability of SS7 service at the end office from which the service is provided as outlined following:

- When TFC Series Data Base Access Service originates at an end office equipped with Service Switching Point (SSP) capability for querying centralized data bases or at a non-SSP equipped end office that can accommodate direct trunking of originating 800 series service type calls, all such service will be provisioned from that end office. If the end office is not equipped with the TFC SAC SSP capability the customer must order Tandem Switched Transport to receive such traffic until the TFC SAC SSP capability becomes available. See Section 6.4.1(C) for credit applicability.
- When TFC Series Data Base Access Service originates at an end office not equipped with SSP customer identification capability, the TFC series service type call will be delivered to the access tandem on which the end office is homed and which is equipped with the SSP feature to query centralized data bases.
- When TFC data base access service originates at an end office equipped with SSP capability that is not capable of accommodating direct trunking of originating TFC series (other than the TFC service access codes) calls, the TFC series (other than the TFC service access codes) call will be delivered to the access tandem on which the end office is homed and which is equipped with the SSP feature to query centralized data bases.

Query charges as set forth in 17.2.2 following are in addition to those charges applicable for the Feature Group C or Feature Group D Switched Access Service.

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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 Terminations (EUCTs) 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.

7.1 General

The following areas are deemed non-competitive for Special Access End User Channel Terminations (EUCTs) covered by this Tariff.

ARKANSAS

<u>Serving Wire Center</u>	<u>8-Digit CLLI Code</u>	<u>Serving Wire Center</u>	<u>8-Digit CLLI Code</u>
Almyra	ALMYARXA	Dodge City	DDCYARXA
Altus	ALTSARXA	Dumas	DUMSARXA
Ash Flat	ASFLARXA	England	ENLDARXA
Augusta	AGSTARXA	Evening Shade	EVSHARXA
Bald Knob	BLKNARXA	Franklin	FKLNARXA
Biggers-Reyno	BGRSARXA	Gamaliel	GMLLARXA
Blevins	BLVNARXA	Gillett	GLLTARXA
Boles	BOLSARXA	Gould	GOLDARXA
Booneville	BNVLARXA	Griffithville	GFVLARXA
Bradford	BRFRARXA	Hardy	HRDYARXA
Cabot	CABTARXA	Hartman	HTMNARXA
Calico Rock	CLRKARXA	Hazen	HAZNARXA
Charleston	CHTNARXA	Henderson	HNSNARXA
Cherokee Village	CHVGARXA	Hickory Plains	HCPLARXA
Clarendon	CLDNARXA	Holly Grove	HLGVARXB
Coy-Humnoke	COY ARXA	Horseshoe Bend	HRBNARXA
Clarksville	CLVLARXA	Humphrey	HMPHARXA
Cotton Plant	CTNPARXA	Imboden	IMBDARXB
Carlisle	CRLSARXA	Jesup	JESPARXA
De Valls Bluff	DVBLARXA	Judsonia	JDSNARXA
De Witt	DWTTARXA	Junction City	JNCYARXA
Delaplaine	DLPLARXA	Kensett	KNSTARXA
Des Arc	DSARARXA	Lakeview	LKVWARXA

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7. Special Access Service7.1 General

The following areas are deemed non-competitive for Special Access End User Channel Terminations (EUCTs) covered by this Tariff.

ARKANSAS (Cont'd)

<u>Serving Wire Center</u>	<u>8-Digit CLLI Code</u>	<u>Serving Wire Center</u>	<u>8-Digit CLLI Code</u>
Lamar	LAMRARXA		
Mallard Point	MLPNARXA		
Mammoth Spring	MMSPARXA		
Marmaduke	MRMDARXA		
Marvell	MRVLARXA	Roe-Ulm	ROE ARXA
Maynard	MYNRARXA	Rosston-Waterloo	RSTNARXA
Maysville	MYVLARXA	Saint Charles	STCHARXA
McCrary	MCCRARXA	Salem	SLFTARXA
McRae	MCRAARXA	Salus	SALSARXA
Melbourne	MLBRARXA	Scranton	SCTNARXA
Midway	MDWYARXA	Star City	STCYARXA
Mount Pleasant	MNPLARXA	Stuttgart	STTGARXB
Mountain Home	MTHOARXA	Subiaco	SUBCARXA
Norfolk	NRFRARXA	Taylor	TAYLARXA
Oxford	OXFRARXA	Tillar	TLLRARXA
Ozark	OZRKARXA	Tracy Ferry	TRFRARXA
Paris	PARSARXA	Viola	VIOLARXA
Pleasant Plains	PLPLARXA	Waldo	WALDARXA
Pocahontas	PCHNARXA	Waldron	WDRNARXA
Prescott	PRSCARXA	Wheatley	WHTLARXA
Ratcliff	RTCLARXA	Whiteville	WHVLARXA
Redfield	RDFDARXB	Williford-Ozark Acres	OZACARXA

INDIANA

<u>Serving Wire Center</u>	<u>8-Digit CLLI Code</u>	<u>Serving Wire Center</u>	<u>8-Digit CLLI Code</u>
Kempton	KMTNINXA		

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7. Special Access Service7.1 General

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LOUISIANA

<u>Serving Wire Center</u>	<u>8-Digit CLLI Code</u>	<u>Serving Wire Center</u>	<u>8-Digit CLLI Code</u>
Arnaudville	ARVLLAXA	Mangham	MNGHLAXA
Athens	ATHNLAXA	Marion	MARNLAXA
Big Cane	BGCNLAXA	Montpelier	MTPLLAXA
Calcasieu	CLCSLAXA	Ringgold	RNGLLAXA
Cankton	CNTNLAXA	Shongaloo	SHNGLAXA
Chatham	CHHMLAXA	Springhill	SPHLLAXA
Choudrant	CHORLAXA	Cullen	SPHLLAXB
Cotton Valley	CTVYLAXA	Spencer	SPNCLAXA
Glenmora	GLNMLAXA	Sunset	SNSTLAXA
Greensburg	GNBGLAXA	Sarepta	SRPTLAXA
Hebron	HBRNLAXA	Wisher	WSNRLAXA

MICHIGAN

<u>Serving Wire Center</u>	<u>8-Digit CLLI Code</u>	<u>Serving Wire Center</u>	<u>8-Digit CLLI Code</u>
Falmouth	FLMOMIXI		

MISSISSIPPI

<u>Serving Wire Center</u>	<u>8-Digit CLLI Code</u>	<u>Serving Wire Center</u>	<u>8-Digit CLLI Code</u>
Byhalia	BYHLMSXA	Chulahoma	CHLHMSXA

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7. Special Access Service7.1 General

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OKLAHOMA

<u>Serving Wire Center</u>	<u>8-Digit CLLI Code</u>	<u>Serving Wire Center</u>	<u>8-Digit CLLI Code</u>
Colcord	CLCROKXA		

TENNESSEE

<u>Serving Wire Center</u>	<u>8-Digit CLLI Code</u>	<u>Serving Wire Center</u>	<u>8-Digit CLLI Code</u>
New Tazewell	NWTZTNXA	Sharps Chapel/Claiborne	SHCPTNXA

WISCONSIN

<u>Serving Wire Center</u>	<u>8-Digit CLLI Code</u>	<u>Serving Wire Center</u>	<u>8-Digit CLLI Code</u>
Boulder Junction	BLJTWIXA	Mercer	MRCRWIXA
Danbury	DNBRWIXA	Presque Isle	PRISWIXA
Gilman	GLMNWIXA	Springstead	SPSTWIXA
Jump River	JMRVWIXA	Webb Lake	WBLKWIXA
Manitowish Waters	MNWRWIXA	Webster	WBSTWIXA

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7. Special Access Service (Cont'd)7.1 General (Cont'd)

Special Access Service is a subset of Business Data Services which provides a transmission path to connect customer designated premises directly or through a Company hub where bridging or multiplexing functions are performed, or to connect a customer designated premises and a WATS Serving Office. Special Access Service includes all exchange access not utilizing Company end office switches.

The connections provided by Special Access Service can be either analog or digital. Analog connections are differentiated by spectrum and bandwidth. Digital connections are differentiated by bit rate.

Special Access Non-competitive End User Channel Terminations (EUCT) purchased from the provisions of this tariff may be commingled with unbundled network elements or unbundled network element combinations 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).

7.1.1 Channel Types

Each type of Special Access Services channel has its own characteristics. All are subdivided by one or more of the following:

- Transmission specifications,
- Bandwidth,
- Speed (i.e., bit rate),
- Spectrum

Customers can order a basic channel and select from a list of those available transmission parameters and channel interfaces that they desire in order to meet specific communications requirements.

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7. Special Access Service (Cont'd)7.1 General (Cont'd)7.1.1 Channel Types (Cont'd)

For purposes of ordering channels, each has been identified as a type of Special Access Service. However, such identification is not intended to limit a customer's use of the channel nor to imply that the channel is limited to a particular use.

A. Channel Type Descriptions

Following is a brief description of each type of Non-Competitive End User Channel Termination (EUCT):

Voice Grade ⁽¹⁾ - a channel for the transmission of analog signals within an approximate bandwidth of 300 to 3000 Hz.

Program Audio ⁽¹⁾ - a channel for the transmission of audio signals. The nominal frequency bandwidths are from 200 to 3500 Hz, from 100 to 5000 Hz, from 50 to 8000 Hz, or from 50 to 15000 Hz.

Digital Data ⁽¹⁾ - a channel for the digital transmission of synchronous serial data at rates of 2.4, 4.8, 9.6, 19.2, 56.0 or 64.0 Kbps.

High Capacity - a channel for the transmission of isochronous serial digital data at rates of 1.544, 3.152, 6.312, or 44.736 Mbps.

Detailed descriptions of each of the channel types are provided in 7.6, 7.9 and 7.10 following.

The customer also has the option of ordering Voice Grade and High Capacity Non-Competitive End User Channel Terminations (EUCT) (i.e., 1.544 Mbps, 3.152 Mbps, 6.312 Mbps and 44.736 Mbps) to Company hubs for multiplexing to individual channels of a lower capacity or bandwidth.

Descriptions of the optional features and functions available are set forth in 7.2.1 following.

⁽¹⁾ Effective February 1, 2020, Voice Grade, Program Audio and Digital Data 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 General (Cont'd)7.1.2 Service Descriptions

For the purposes of ordering from this tariff, the categories of Special Access Service are:

	<u>Service Designator Codes</u>
Voice ^[1]	VG
Program Audio ^[1]	AP
Digital Data ^[1]	DA
High Capacity	DS

Each service consists of a basic channel to which a technical specifications package (customized or predefined), channel interface(s) and, when desired, optional features and functions are added to construct the service desired by the customer. Technical specifications packages are described in Section 15 following, optional features and functions are described in this section. Channel interfaces are described in 15.2 following.

Customized technical specifications packages will be provided where technically feasible. If the Company determines that the requested parameter specifications are not compatible, the customer will be advised and given the opportunity to change the order.

When a customized channel is ordered the customer will be notified whether Additional Engineering Charges apply. In such cases, the customer will be advised and given the opportunity to change the order.

^[1] Effective February 1, 2020, Voice Grade, Program Audio and Digital Data 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 General (Cont'd)7.1.2 Service Descriptions (Cont'd)

The channel descriptions provided in 7.6, 7.9 and 7.10 following specify the characteristics of the basic channel and indicate whether the channel is provided between customer designated premises, between a customer designated premises and a Company hub where bridging or multiplexing functions are performed, or between a customer-designated premises and a WATS Serving Office.

- (A) Information pertaining to the technical specifications packages indicates the transmission parameters that are available with each package. This information is displayed in matrices set forth in 15.2 following.
- (B) 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 15.2 following, in a combination format.
- (C) Only certain channel interface combinations are available with the predefined technical specifications packages. These are delineated in the Technical References set forth in (F) following. When a customized channel is requested, all channel interface combinations available with the specified type of service are available with the customized channel.
- (D) The optional features and functions available with each type of Special Access Service are described in this section. The optional features and functions information also indicates with which technical specifications packages they are available. Such information is displayed in matrices set forth in 15.2 following with the optional feature or function listed down the left side and the technical specifications package listed across the top.

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7. Special Access Service (Cont'd)7.1 General (Cont'd)7.1.2 Service Descriptions (Cont'd)

(E) The Company will maintain services installed prior to April 1, 1985, at their existing transmission specifications provided such performance specifications do not exceed the standards listed in this provision. Those services exceeding the standards listed will be maintained at the performance levels specified in this tariff.

(F) All services installed after April 1, 1985 will conform to the transmission specifications standards contained in this tariff or in the following Technical References for each category of service:

Voice Grade	TR-NWT-000335 PUB 41004 (MDP-326-584) Table 4
Program Audio	GR-337-CORE and associated Addendum
Digital Data	TR-NWT-000341 and associated Addendum
For 2.4, 4.8, 9.6 & 56.0 Kbps	Pub 62310 (MDP-326-726)
For 19.2 Kbps	INC Bulletin CB-INC-100
For 64.0 Kbps	PUB 62310 (MDP-326-726)
High Capacity	GR-342-CORE GR-54-CORE

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7. Special Access Service (Cont'd)7.1 General (Cont'd)7.1.3 Service Configurations

There are two types of service configurations over which Special Access Services are provided in this tariff: 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 or a customer designated premises and a WATS Serving Office (WSO)

Applicable rate elements found in this tariff are:

- Non-Competitive End User Channel Terminations (EUCTs)
- Optional Features and Functions (when applicable)

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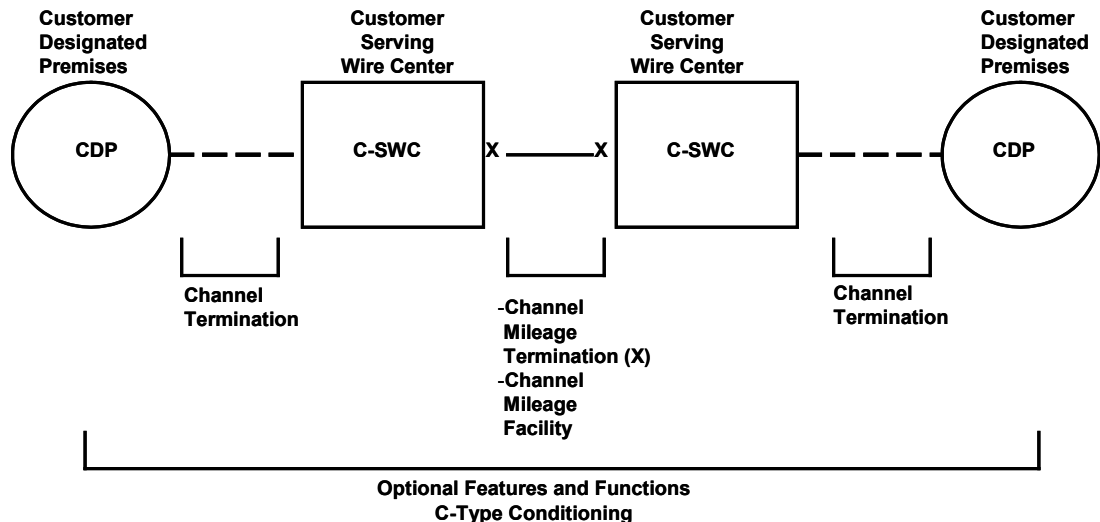
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7. Special Access Service(Cont'd)7.1 General (Cont'd)7.1.3 Service Configurations (Cont'd)(A) Two-Point Service (Cont'd)

A Special Access Surcharge, as set forth in 7.3 following, may be applicable.

The following diagram depicts a two-point Voice Grade service connecting two Customer Designated Premises (CDP). The service is provided with C-Type conditioning. The rate elements found in this tariff are the End User Channel Termination (EUCT) services in a Serving Wire Center designated as Non-Competitive.



Applicable rate elements depicted in the preceding diagram are:

- Channel Terminations (applicable one (1) per CDP)
- Channel Mileage
 - 2 Channel Mileage Terminations plus
 - 1 section, Channel Mileage Facility per mile
- C-Type Conditioning Optional Feature

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7. Special Access Service (Cont'd)7.1 General (Cont'd)7.1.3 Service Configurations (Cont'd)(B) Multipoint Service

Multipoint service connects three or more customer designated premises through one or more Company hubs. Only certain types of Special Access Service are provided as multipoint service. These are so designated in the descriptions for the appropriate channel.

The channel between hubs (i.e., bridging locations) on a multipoint service is a mid-link which is not in this tariff. There is no limitation on the number of mid-links available with a multipoint service. However, when more than three mid-links in tandem are provided the quality of the overall service may be degraded.

Multipoint service utilizing a customized technical specifications package, as set forth in 7.1.2 preceding and 15.2 following will be provided when technically possible. If the Company determines that the requested characteristics for a multipoint service are not compatible, the customer will be advised and given the opportunity to change the order.

When ordering, the customer will specify the desired bridging hub(s). National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4 identifies serving wire centers, hub locations and the type of bridging functions available.

Applicable Rate Elements are:

- Non-Competitive End User Channel Terminations (EUCT) (one per customer designated premises)
- Bridging
- Additional Optional Features and Functions (when applicable).

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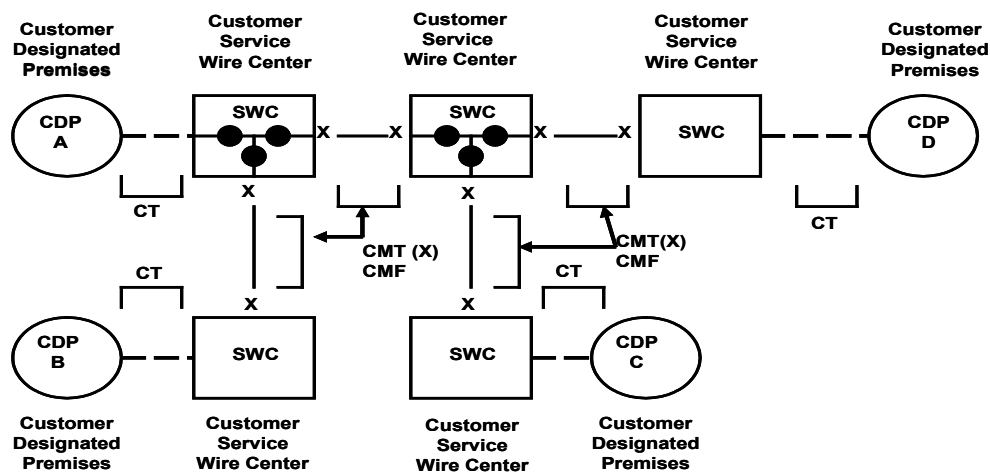
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7. Special Access Service (Cont'd)7.1 General (Cont'd)7.1.3 Service Configurations (Cont'd)(B) Multipoint Service (Cont'd)

The Special Access Surcharge, as set forth in 7.3 following, may be applicable.

The following diagram depicts a Voice Grade multipoint service connecting four customer designated premises (CDP) 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 - Channel Termination
- CMT - Channel Mileage Termination
- CMF - Channel Mileage Facility
- - Bridging Port

Applicable rate elements depicted in the preceding diagram are:

- Channel Terminations (4 applicable)
- Channel Mileage
 - 2 Channel Mileage Terminations per Channel Mileage Facility section for a total of 8, plus
 - 4 sections, Channel Mileage Facility per mile
- Bridging Optional Feature (6 applicable, i.e., each bridge port)

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7. Special Access Service (Cont'd)7.1 General (Cont'd)7.1.4 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 following, 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 (EUCT) and Optional Features and Functions (if any)].

7.1.5 Special Facilities Routing

A customer may request that the facilities used to provide Special Access Service be specially routed. The regulations, rates and charges for Special Facilities Routing (i.e., Avoidance, Diversity and Cable-Only) are set forth in Section 11 following.

7.1.6 Design Layout Report

At the request of the customer, the Company will provide to the customer 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. This information will be provided in the form of a Design Layout Report. The Design Layout Report will be provided to the customer at no charge and will be reissued or updated whenever these facilities are materially changed.

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7. Special Access Service (Cont'd)7.1 General (Cont'd)7.1.7 Acceptance Testing

At no additional charge, the Company will, at the customer's request, cooperatively test the following at the time of installation:

- (A) For Voice Grade analog Non-Competitive End User Channel Terminations (EUCT), the acceptance test will include tests for loss, 3-tone slope, DC continuity, operational signaling, C-notched noise, and C-message noise when these parameters are applicable and specified in the order of service. Additionally, for Voice Grade services, a balance (improved loss) test will be made if the customer has ordered the improved loss optional feature.
- (B) For other analog Non-Competitive EUCT (i.e., Program Audio) and for digital services (i.e., Digital Data and High Capacity), acceptance tests will include tests applicable to the service as specified by the customer in the order for service.

In addition to the above tests, Additional Cooperative Acceptance Testing for Voice Grade service to test other parameters, as described in 13.3.1(B) following, is available at the customer's request. All test results will be made available to the customer upon request.

7.1.8 Ordering Options and Conditions

Special Access Non-Competitive EUCT is ordered under the Access Order provisions set forth in Section 5 preceding. Also included in that section are other charges which may be associated with ordering Special Access Non-Competitive EUCT (e.g., Service Date Change Charges, Cancellation Charges, etc.).

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7. Special Access Service (Cont'd)7.2 Rate Regulations

This section contains the specific regulations governing the rates and charges that apply for Special Access.

7.2.1 Rate Categories

The basic rate categories which apply to Special Access Service in this tariff are as follows:

- Non-Competitive End User Channel Terminations (EUCTs) (described in 7.2.1(A) following)
-
- Optional Features and Functions (described in 7.2.1(C) following).

(A) Non-Competitive End User Channel Termination (EUCT)

The Non-Competitive EUCT rate category recovers the costs associated with the communications path between a customer designated premises and the serving wire center of that premises. Included as part of the Non-Competitive EUCT 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 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 channel is terminated. This charge will apply even if the customer designated premises and the serving wire center are collocated in a Company building, except as provided for below. The Non-Competitive EUCT charge will not apply when: 1) the customer designated premises and serving wire center are physically (including caged, cageless, shared and adjacent arrangements) or virtually collocated as those terms are used in 47 C.F.R. § 51.323 and 2) the customer obtains such collocation for the purpose of interconnection with the Company's network for the transmission and routing of exchange service, exchange access service or both, and for the purpose of providing local exchange or exchange access services to its customers.

For a Special Access Digital Data Service 56.0 or 64.0 Kbps Bit rate there will be a charge for only one Non-Competitive EUCT. For a 1.544 Mbps or 44.736 Mbps High Capacity Service connecting a customer designated premises there will be a charge for only one Non-Competitive EUCT.

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7. Special Access Service (Cont'd)7.2 Rate Regulations (Cont'd)7.2.1 Rate Categories (Cont'd)(C) Optional Features and Functions

The Optional Features and Functions rate category recovers the costs associated with optional features and functions which may be added to a Special Access Non-Competitive End User Channel Termination (EUCT) to improve its quality or utility to meet specific communications requirements. These are not necessarily identifiable with specific equipment, but rather represent the end result in terms of performance characteristics which may be obtained. These characteristics may be obtained by using various combinations of 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 as a single rate element.

Examples of Optional Features and Functions that are available include, but are not limited to, the following:

- Signaling Capability
- Hubbing Functions
- Conditioning
- Transfer Arrangements

Descriptions for each of the available Optional Features and Functions are set forth in 7.6 and 7.9 and 7.10 following.

7.2.2 Types of Rates and Charges

There are three types of rates and charges. These are monthly rates, daily rates and nonrecurring charges. The rates and charges are described as follows:

(A) Monthly Rates

Monthly rates are recurring rates that apply each month or fraction thereof that a Special Access Special Access Non-Competitive End User Channel Termination (EUCT) is provided. For billing purposes, each month is considered to have 30 days.

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7. Special Access Service (Cont'd)7.2 Rate Regulations (Cont'd)7.2.2 Types of Rates and Charges (Cont'd)(B) Daily Rates

Daily rates are recurring rates that apply to each 24 hour period or fraction thereof that a Program Audio Special Access Service is provided for part-time use. For purposes of applying daily rates, the 24 hour period is not limited to a calendar day.

Part-time Program Audio Service provided within a consecutive 30 day period will be charged the daily rate, not to exceed the monthly rate. For each day or partial day after a consecutive 30 day period of service, a charge equal to 1/30th of the monthly rate shall apply.

(C) Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for specific work activity (i.e., installation or change to an existing service). The types of nonrecurring charges that apply for Special Access Non-Competitive End User Channel Termination (EUCT) are: installation of service, installation of optional features and functions, and service rearrangements. These charges are in addition to the Access Order Charge as specified in 17.4.1 following.

(1) Installation of Service

Nonrecurring charges apply to each service installed. The nonrecurring charges for the installation of service are set for each channel type as a nonrecurring charge for the Non-Competitive EUCT.

(2) Installation of Optional Features and Functions

When optional features and functions are installed coincident with the initial installation of service, no separate nonrecurring charge is applicable. When optional features and functions are installed or changed subsequent to the installation of service, an Access Order Charge as specified in 17.4.1 following will apply per order.

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7. Special Access Service (Cont'd)7.2 Rate Regulations (Cont'd)7.2.2 Types of Rates and Charges (Cont'd)(C) Nonrecurring Charges (Cont'd)(3) Service Rearrangements

Service rearrangements are changes to existing (installed) services which may be administrative only in nature, as set forth following, or that involve actual physical change to the service. Changes to pending orders are set forth in 5.4 preceding.

Changes in the physical location of the point of termination or customer designated premises are moves as set forth in 7.2.3 following.

Changes in the type of Non-Competitive End User Channel Termination (EUCT) which result in a change of the minimum period requirement will be treated as a discontinuance of the service and an installation of a new service.

Changes in ownership or transfer of responsibility from one customer to another will be treated as a discontinuance of the service and an installation of a new service. In the event the change in ownership or transfer of responsibility is as set forth in 2.1.2(A) preceding where there is no change in facilities or arrangements, the change will be treated as an administrative change.

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 physical relocation of equipment;
- Change in billing data (name, address, or contact name or telephone number);
- Change of agency authorization;
- Change of customer circuit identification;
- Change of billing account number;
- Change of customer test line number;
- Change of customer or customer's end user contact name or telephone number; and
- Change of jurisdiction.

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7. Special Access Service (Cont'd)7.2 Rate Regulations (Cont'd)7.2.2 Types of Rates and Charges (Cont'd)(C) Nonrecurring Charges (Cont'd)(3) Service Rearrangements (Cont'd)

All other service rearrangements will be charged as follows:

- If the change involves the addition of other customer designated premises to an existing service, the nonrecurring charge for the Non-Competitive End User Channel Termination (EUCT) rate element will apply. The charge(s) will apply only for the location(s) that is being added. The charge(s) will be in addition to an Access Order Charge as set forth in 17.4.1 following.
- If the change involves the addition of an optional feature or function (with the exception of the addition of Clear Channel Capability to an existing service), or if the change involves changing the type of signaling on a Voice Grade service, and for all other changes the Access Order Charge as set forth in 17.4.1 following will apply.
- When the Clear Channel Capability optional feature is installed on an existing facility, the addition will be treated as a discontinuance and start of service and all associated non-recurring charges will apply.

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7. Special Access Service (Cont'd)7.2 Rate Regulations (Cont'd)7.2.3 Moves

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

- The Point of Termination at the customer's premises; or
- 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.

(A) Moves Within the Same Building

When the move is to a new location within the same building, the charge for the move will be an amount equal to one half of the nonrecurring (i.e., installation) charge for the service termination affected. There will be no change in the minimum period requirements. This charge is in addition to the Access Order Charge as specified in 17.4.1 following.

(B) Moves To a Different Building

Moves to a different building will be treated as a discontinuance and start of service and all associated nonrecurring charges will apply. New minimum period requirements will be established for the new services. The customer will also remain responsible for satisfying all outstanding minimum period charges for the discontinued service.

7.2.4 Minimum Periods

The minimum service period for all Special Access services except part-time Program Audio services and DS3 High Capacity Service is one month, and the full monthly rate will apply to the first month. Adjustments for the quantities of services established or discontinued in any billing period beyond the minimum period are as set forth in 2.4.1(F) preceding. The minimum service period for part-time Program Audio Service is a continuous 24-hour period, not limited to a calendar day. Effective May 16, 2019, the minimum service period for DS3 High Capacity service is one month. Prior to May 16, 2019, the minimum service period for DS3 High Capacity service was twelve months.

7.2.5 Reserved for Future Use

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7. Special Access Service (Cont'd)7.2 Rate Regulations (Cont'd)7.2.6 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., DS1, DS1C, DS2 or DS3) to a facility hub for channelizing to individual services requiring lower capacity facilities (e.g., Voice, Program Audio, etc.).

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 Order the customer will specify the desired hub.

National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4 identifies serving wire centers, hub locations, hub level (i.e., Hub, Terminus Hub, Intermediate Hub, or Super-Intermediate Hub). Additionally, subtending wire centers are identified for Intermediate and Super-Intermediate Hubs.

Point to point services may be provided on channels of these services to a hub. The transmission performance for the point to point service provided between customer designated premises will be that of the lower capacity or bit rate. For example, when a 1.544 Mbps channel is multiplexed to voice frequency channels, the transmission performance of the channelized services will be Voice Grade, not High Capacity.

The Company will commence billing the monthly rate for the service to the hub on the date specified by the customer on the Access Order. Individual channels utilizing these services may be installed coincident with the installation of the service to the hub or may be ordered and/or installed at a later date, at the option of the customer. Except as provided for in Section 7.2.1 preceding, the customer will be billed for a Voice Grade or a High Capacity Non-Competitive End User Channel Termination (EUCT) and the multiplexer at the time the service is installed. 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.

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7. Special Access Service (Cont'd)7.2 Rate Regulations (Cont'd)7.2.6 Facility Hubs (Cont'd)

The Company will designate hubs for Program Audio Service. Full-time or part-time service may be provided between customer designated premises or between a customer designated premises and a hub and billed accordingly at the monthly rates set forth in 17.3.5 following for a Non-Competitive End User Channel Termination (EUCT) and Optional Features and Functions, as applicable. When the Non-Competitive EUCT is ordered to a hub, the customer may order full-time or part-time Program Audio Service as needed between that hub and additional customer designated premises. The rate elements required to provide the part-time service (i.e., Non-Competitive EUCT and Optional Features and Functions, as applicable) will be billed at daily rates for the duration of the service requested.

7.2.7 Mixed Use

Mixed use refers to a rate application applicable only when the customer orders High Capacity facilities between a customer designated premises and a Company hub where the Company performs multiplexing/de-multiplexing functions and the same customer then orders the derived channels as Special Access Service and Switched Access Service. If the customer has Switched Access Service between a customer designated premises and an end office that is multiplexed at a Company hub and subsequently orders the derived channels as Special Access Service and Switched Access Service, rates and charges will apply as if the service were ordered as mixed use.

Except as noted above, the High Capacity facility will be ordered, provided and rated as Special Access Service (i.e., Non-Competitive End User Channel Termination (EUCT)), The nonrecurring charge that applies when the mixed use facility is installed will be the nonrecurring charge associated with the appropriate Special Access High Capacity Non-Competitive EUCT.

Rating as Special Access Service will continue until such time as the customer chooses to use a portion of the available capacity for Switched Access Service. Individual service (i.e., Switched Access Service or Special Access Service) nonrecurring charges will not apply to the individual channels of the mixed use facility.

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7. Special Access Service (Cont'd)7.2 Rate Regulations (Cont'd)7.2.7 Mixed Use (Cont'd)

When Special Access Service is provided utilizing a channel of the mixed use facility to a hub, High Capacity rates and charges will apply for the facility to the hub, as set forth preceding, and individual service rates and charges will apply from the hub to the customer designated premises.

The rates and charges that will apply to the portion from the hub to the customer designated premises will be dependent on the specific type of Special Access Service that is provided (e.g., Voice Grade, etc.). The applicable rates and charges will include a Non-Competitive EUCT. Rates and charges for optional features and functions associated with the service, if any, will apply for the appropriate channel type.

As each individual channel is activated for Switched Access Service, the High Capacity Special Access Non-Competitive End User Channel Termination (EUCT), rates will be reduced accordingly (e.g., 1/24th for a DS1 service, 1/672nd for a DS3 service, etc.).

If the Special Access charges for the mixed use facility are subject to Optional Rate Plan discounts (e.g., Term Discount Optional Rate Plan) as set forth in 7.2.8 following, the Special Access charges will be reduced to reflect mixed use before the Optional Rate Plan discounts are applied.

Switched Access Service rates and charges, as set forth in 17.2 following, will apply for each channel that is used to provide a Switched Access Service. The Switched Access Service Entrance Facility charge will be reduced by multiplying its rate by a rate reduction factor (i.e., the ratio of derived Switched Access Service channels to the total number of channels that can be derived). If the Telephone Company is providing Direct Trunked Transport, then the Direct Trunked Transport, Multiplexing charges will be reduced by multiplying their respective rates by the rate reduction factor.

The following table shows the total voice grade equivalents for each of the services that may be used for Mixed Use.

High Capacity ⁽¹⁾	DS3 Quantities	DS1 Quantities	Voice Grade Equivalents
DS1	n/a	1	24
DS3	1	28	672

The customer must place an order for each individual Switched or Special Access Service utilizing the Mixed Use facilities and specify the channel assignment for each such service.

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7. Special Access Service (Cont'd)7.2 Rate Regulations (Cont'd)7.2.8 Optional Rate Plans

Effective May 16, 2019 the following Optional 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.

There are two Optional Rate Plans: High Capacity Optional Rate Plan and Fixed Rate Term Plan.

(A) High Capacity Optional Rate Plan

The High Capacity Optional Rate Plan 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.

The High Capacity Optional Rate Plan offers a Term Discount. The Term Discount plan applies to Special Access DS1 and DS3 High Capacity Service Channel Termination, Channel Mileage Facility and Channel Mileage Termination monthly rates, as set forth following. The current monthly rates for such services are reduced by a fixed percentage. The amount of the discount percentage differs based on the length of the service commitment period selected by the customer. The Term Discount percentages for High Capacity Service are as set forth in Section 17.3.8 (C), following.

Discounts for the Term Discount plan are only applied to High Capacity Service provided to a customer within the same state and LATA by the same Company.

The minimum service period on a monthly rate basis is one month for DS1 service and twelve months for DS3 service.

(A) High Capacity Optional Rate Plans (Cont'd)(1) Term Discounts

DS1 and DS3 High Capacity Special Access Service may be ordered at the customer's option on a monthly rate basis or for Term Discount periods of 36 months (3 years) or 60 months (5 years).

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7. Special Access Service (Cont'd)7.2 Rate Regulations (Cont'd)7.2.8 Optional Rate Plans [1](A) High Capacity Optional Rate Plans (Cont'd)(1) Term Discounts (Cont'd)

The minimum service period for all Term Discount plans is twelve months. The customer must specify the length of the service commitment period at the time the service is ordered.

For customers that subscribe to the Term Discount plan for 36 or 60 months, the Term Discount percentage as set forth in 17.3.8 following will be frozen from Company initiated decreases, for the entire discount period at the percent in effect at the beginning of the Term Discount period.

If a Term Discount Percentage increase occurs during the term of an existing Term Discount plan, the increased percentage will be applied automatically to the remainder of the current Term Discount period.

At the end of the Term Discount period, the customer may convert to month-to-month service or subscribe to a new Term Discount plan. If the customer does not make a choice by the end of the discount period, the rates will automatically convert to month-to-month service rates.

To be included in a Term Discount plan all eligible High Capacity rate elements must be ordered for the same commitment term (i.e., all 36 months or all 60 months) and with the same service date. When additional capacity is subsequently added, it will be available only on a month-to month basis unless the discount period of the entire service is upgraded.

- [1] Effective May 16, 2019 the Optional 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 Regulations (Cont'd)7.2.8 Optional Rate Plans [1](A) High Capacity Optional Rate Plans (Cont'd)(1) Term Discounts (Cont'd)

Eligible DS1 or DS3 High Capacity rate elements are those Channel Terminations, Channel Mileage Facility and Channel Mileage Terminations provided to a customer within the same state and LATA by the same telephone company. As long as the number of DS1s or DS3s included in a Term Discount plan remains constant, customer requests to install and disconnect DS1 or DS3 services, including changes affecting different wire centers and/or customer designated premises, will not change the current Term Discount period or the minimum service period and Discontinuance of Service charges as set forth in (3) following will not apply.

(a) Upgrades in Term Discounts

Services provided under monthly rates or Term Discount rates may be upgraded to a Term Discount plan at any time without incurring Channel Termination nonrecurring charges or discontinuance charges for existing services. The new Term Discount plan must meet or exceed the service term of the plan being upgraded. For example, a service with a 36 month commitment period may be upgraded to a new 36 month, or 60 month service period. The monthly rates will be those that are in effect at the time the service is upgraded. A new minimum service period applies to all High Capacity Service that is upgraded.

- [1] Effective May 16, 2019 the Optional 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 Regulations (Cont'd)7.2.8 Optional Rate Plans [1](A) High Capacity Optional Rate Plans (Cont'd)(1) Term Discounts (Cont'd)(b) Upgrades in Capacity (DS1 to DS3)

If the customer chooses to upgrade a service under the Term Discount rate plan to a higher capacity (i.e., DS1 to DS3), discontinuance charges will not apply, provided all the following conditions are met:

- the customer's order for the disconnect of the existing DS1 Service and the installation of the new DS3 Service are received at the same time and specifically reference the application of upgrade in capacity;
- the customer's disconnect order for the existing DS1 Service must reference the DS3 Service installation order;
- the new service has a total voice equivalent channel capacity greater than the total voice equivalent channel capacity of the service being discontinued; and
- the new Term Discount period meets or exceeds the Term Discount period being discontinued.

[1] Effective May 16, 2019 the Optional 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 Regulations (Cont'd)7.2.8 Optional Rate Plans [1](A) High Capacity Optional Rate Plans (Cont'd)(1) Term Discounts (Cont'd)(b) Upgrades in Capacity (DS1 to DS3) (Cont'd)

A new minimum service period applies to all upgrades. Channel Termination nonrecurring charges for an equivalent channel capacity of the existing services being upgraded to the higher speed service will not be assessed. For example, 30 existing DS1 Services are being upgraded to DS3 Service at the customers request. A capacity of 3 is installed at the customer's request. A total of 2 DS3 Services will be installed without Channel Termination nonrecurring charges being assessed, as it will require 2 DS3 Channel rate elements to provide the equivalent channel capacity of the existing services. Channel Termination nonrecurring charges will not apply to the upgraded lower speed services placed on the higher speed service if requested at the same time as the upgrade request. Channel Termination nonrecurring charges will apply for capacity that exceeds the existing equivalent channel capacity.

Should the customer choose to upgrade either a portion of, or the entire DS1 Service under the Term Discount plan to a DS3 Service and move the service to a new customer location(s) within the same state and LATA, and when service is provided by the same telephone company, discontinuance charges will not apply.

[1] Effective May 16, 2019 the Optional 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 Regulations (Cont'd)7.2.8 Optional Rate Plans [1] (Cont'd)(A) High Capacity Optional Rate Plans (Cont'd)(1) Term Discounts (Cont'd)(c) Discontinuance of Service

If the customer chooses to disconnect all or a portion of the service prior to the expiration of the Term Discount period, discontinuance charges will apply to the portion of the service being discontinued.

Should the customer choose to discontinue a Term Discount plan prior to the completion of the minimum service period, discontinuance charges will apply. Discontinuance charges equal to one-hundred percent of the total undiscounted monthly rates, less any amounts previously paid, will apply for the minimum service period. Additionally, discontinuance charges of fifteen percent for DS1 service, and fifty percent for DS3 service, of the total undiscounted monthly charges will apply to the remaining portion of the discount service term.

Should the customer choose to discontinue service ordered under a Term Discount plan after the minimum service period but before the completion of the discount period, discontinuance charges will apply. Discontinuance charges of fifteen percent for DS1 Service, and fifty percent for DS3 Service, of the total undiscounted monthly charges will apply to the remaining portion of the discount period. For example, a customer has a DS1 Service which it chooses to discontinue after 33 months into a 60-month service term. The discontinuance charge would be 0.15 times 27 months times the undiscounted monthly rates for that service.

[1] Effective May 16, 2019 the Optional 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 Regulations (Cont'd)7.2.8 Optional Rate Plans (Cont'd)(D) Fixed Rate Term Plan

Effective May 16, 2019 the following Fixed Rate Term Plan 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 Fixed Rate Term Plan (FRTTP) is available for special access DS3 high capacity service channel termination, channel mileage and channel mileage termination monthly recurring rates, as set forth following. The current monthly rates for such services are reduced by a fixed percentage. The customer must order the FRTTP under a term commitment period of 7 years. All DS3 high capacity circuits ordered under the FRTTP will begin in month one.

Nonrecurring charges will not apply to DS3 circuits installed under the FRTTP. Monthly rates for the entire 7 year commitment period of the FRTTP will be excluded from any Telephone Company initiated rate increases for the 7 year term commitment period service date for each DS3 circuit.

At the end of the 7 year term commitment period, the customer may subscribe to a new 7 year FRTTP or revert to the month-to-month rates. If the customer does not notify the Telephone Company in writing within 60 calendar days prior to the expiration of the 7 year term commitment period that they want to renew their FRTTP, the customer will automatically revert to the month-to-month rates in effect at the time of the expiration of the FRTTP; or the customer may elect to commit to any other term plan that may be offered by the Telephone Company that is in effect at the time of expiration of the FRTTP.

The monthly rates and associated discount percentage for the FRTTP are set forth in 17.3.8 following.

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7. Special Access Service (Cont'd)7.2 Rate Regulations (Cont'd)7.2.8 Optional Rate Plans (Cont'd)(D) Fixed Rate Term Plan [1] (Cont'd)(1) Addition of DS3 Circuits

When the customer requests the addition of a DS3 circuit during the 7 year term of the FRTP, the new DS3 circuit will be established as a new FRTP and begin in month one of the 7 year term commitment period.

(2) Replacing a Committed DS3 Circuit

A FRTP customer may disconnect a committed DS3 circuit prior to the end of their existing 7 year term commitment period and replace it with one or more newly installed committed DS3 circuits without incurring any termination liability charges.

A replacement of a DS3 circuit must meet the following conditions:

- the customer commits to retain the replacement committed DS3 circuit in service at the same bandwidth capacity for the remaining 7 year term commitment period; and
- the customer submits the orders for the disconnection of the existing DS3 and the installation of the new DS3 at the same time.

(3) Upgrades

Special access DS3 circuits, provided under a High Capacity Optional Rate Plan in (A) preceding, may upgrade to a FRTP without incurring termination liability charges. The DS3 circuit upgraded will begin in month one of the FRTP at the monthly rates and discount percentage in effect at the time of the upgrade.

[1] Effective May 16, 2019 the Fixed Rate Term Plan 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 Regulations (Cont'd)7.2.8 Optional Rate Plans (Cont'd)(D) Fixed Rate Term Plan [1] (Cont'd)(3) Upgrades (Cont'd)

When a customer upgrades a DS3 service being billed F RTP rates to an Ethernet Transport (ET)¹ or Ethernet Virtual Private Line (EVPL)⁽¹⁾ service offered by the Telephone Company, the customer must commit to ET for periods of one (1), three (3) or five (5) years or an EVPL Term Discount Plan for periods of one (1), two (2), three (3) or five (5) years or an EVPL Fixed Rate Term Plan for a period of seven (7) years. Termination liability charges will not apply to upgrades if the ET or EVPL commitment period is equal to the existing DS3 F RTP commitment period.

When a disconnect order for a DS3 circuit is submitted to the Telephone Company, the customer must note on the disconnect order that the DS3 circuit to be disconnected is being or has been upgraded to ET or EVPL service.

(4) Termination Liability

If during the term of the F RTP the customer disconnects a DS3 circuit prior to the 7 year minimum commitment period, termination liability charges will apply as follows:

- (a) an amount equal to 100% of monthly recurring charges for each DS3 circuit disconnected for the months remaining for year 1 of the 7 year term commitment period of the F RTP, if any, plus
- (b) an amount equal to 50% of the monthly recurring charges for each DS3 circuit disconnected for the months remaining for year 2 through year 5 of the 7 year term commitment period of the F RTP, if any, plus

[1] Effective May 16, 2019 the Fixed Rate Term Plan 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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Special Access Service (Cont'd)7.2 Rate Regulations (Cont'd)7.2.8 Optional Rate Plans (Cont'd)(D) Fixed Rate Term Plan [1] (Cont'd)(4) Termination Liability (Cont'd)

- (c) an amount equal to 20% of monthly recurring charges for each DS3 circuit disconnected for the months remaining for year 6 through year 7 of the 7 year term commitment period of the F RTP.

The following example illustrates how the Telephone Company will calculate the applicable termination liability charges.

Example:

A customer disconnects a DS3 circuit committed to the F RTP in month 20 of the 7 year minimum term commitment period. Using an illustrative monthly discounted rate of \$2,000.00, the Telephone Company would bill the customer termination liability charges totaling \$49,600.00

$$\$2,000.00 @ 50\% = \$1,000.00 \times 40 \text{ months} = \$40,000.00$$

$$\$2,000.00 @ 20\% = \$400.00 \times 24 \text{ months} = \$9,600.00$$

$$\$40,000 + \$9,600.00 = \$49,600.00$$

7.3 Surcharge for Special Access Service7.3.1 General

Special Access Services provided under this tariff may be subject to the monthly Special Access Surcharge.

[1] Effective May 16, 2019 the Fixed Rate Term Plan 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)7.3 Surcharge for Special Access Service (Cont'd)7.3.2 Application

- (A) 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. Interconnection functions include, but are not limited to, wiring and software functions, bridging, switching or patching of calls or stations. 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.
- (B) Special Access Service will be exempted from the Surcharge by the Company upon receipt of the customer's written certification for the following Special Access Service terminations:
 - (1) an open-end termination in a Company switch of an FX line, including CCSA and CCSA- equivalent ONALs; or
 - (2) an analog channel termination that is used for radio 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 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 Service accesses only FGA and no local exchange lines, or Special Access Service between customer points of termination, or Special Access Service connecting CCSA or CCSA-type equipment (inter-machine trunks); or
 - (6) a termination that the customer certifies to the Telephone Company is not connected to a PBX or other device which interconnects the Special Access Service to a local exchange subscriber line.

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7. Special Access Service (Cont'd)7.3 Surcharge for Special Access Service (Cont'd)7.3.3 Exemption of Special Access Service

- (A) Special Access Services which are terminated as set forth in 7.3.2(B) preceding will be exempted from the Special Access Surcharge if the customer provides the Telephone Company with written exemption certification. The certification may be provided to the Telephone Company as follows:
- at the time the Special Access Service is ordered or installed;
 - at such time as the service is reterminated to a device which does not interconnect the service to local exchange facilities; or
- (B) The exemption certification is to be provided by the customer ordering the service. The certification must be signed by the customer or authorized representative and include the category of exemption, as set forth in 7.3.2(B) preceding, for each termination, and the date which the exemption is effective.
- (C) The customer shall also notify the Telephone Company when an exempted Special Access Service is changed or reterminated such that the exemption is no longer applicable.
- (D) The Telephone Company will work cooperatively with the customer to resolve any questions regarding the exemption certification. In addition, the Telephone Company may withhold exemption of the service until the questions are resolved.

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7. Special Access Service (Cont'd)7.3 Surcharge for Special Access Service (Cont'd)7.3.4 Rate Regulations

- (A) The surcharge will apply as set forth in 7.3.2(A) preceding, except that a surcharge will be assessed on a per voice grade equivalent basis for Special Access Services derived from High Capacity Special Access Services as illustrated in the following example:

<u>Special Access Service</u>	<u>Voice Grade Equivalent</u>		<u>Surcharge</u>		<u>Monthly Charge</u>
DS1	24	x	\$25	=	\$600.00

The preceding example illustrates the maximum number of surcharges applicable to a DS1. If the customer claims exemption(s) as set forth in 7.3.3 preceding or, is not utilizing all available voice grade equivalents and has spare capacity, the number of surcharges would be reduced accordingly.

In the case of multipoint Special Access Services, one Special Access Surcharge will apply for each termination of a Special Access Channel at an end user's premises.

- (B) The Telephone Company will bill the appropriate Special Access Surcharge to the ordering customer for each interstate Special Access Service installed unless exemption certification is provided as set forth in 7.3.3 preceding.
- (C) If a written certification is not received at the time the Special Access Service is obtained, the Surcharge will be applied. Exempt status will become effective on the certification date indicated by the customer, subject to the regulations set forth in (D) following.
- (D) Crediting the Surcharge

The Telephone Company will cease billing the Special Access Surcharge when certification, as set forth in 7.3.3 preceding, is received. If the status of the Special Access Service was changed prior to receipt of the exemption certification, the Telephone Company will credit the customer's account, not to exceed ninety (90) days, based on the effective date of the change as specified by the customer in the letter of certification.

7.4 Reserved For Future Use7.5 Reserved For Future Use

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7. Special Access Service (Cont'd)7.6 Voice Grade Service ^[1]7.6.1 Basic Channel Description

A Voice Grade Non-Competitive End User Channel Termination (EUCT) is a channel which provides voice frequency transmission capability in the nominal frequency range of 300 to 3000 Hz and may be terminated as two-wire or four-wire. Voice Grade channels are provided between customer designated premises, between a customer designated premises and a Company hub, or between a customer designated premises and a WATS Serving Office (WSO).

Voice Grade Special Access Non-Competitive EUCTs are typically used for voice and voiceband data applications. Typical examples of voice grade circuits are Foreign Exchange lines (station end only), multipoint private line, voice trunk type, two-point voice grade data (one-way or simultaneous two-way), multipoint voice grade data, and voice grade telephoto or facsimile. These examples of applications are not intended to limit a customer's use of the channel nor to imply that the channel is limited to a particular use.

Rates and charges for Special Access Voice Grade Non-Competitive EUCTs are as set forth in 17.3.4 following.

7.6.2 Technical Specifications Packages and Network Channel Interfaces

Technical Specifications Packages are set forth in 15.2.1(C) following. Compatible network channel interfaces are set forth in 15.2.2(C)(3) following.

7.6.3 Optional Features and Functions(A) Central Office Bridging Capability

- (1) Voice Bridging (two-wire and four-wire)
- (2) Data Bridging (two-wire and four-wire)
- (3) Telephoto Bridging (two-wire and four-wire)
- (4) DATAPHONE Select-A-Station Bridging with sequential arrangement ports or addressable arrangement ports

^[1] Effective February 1, 2020, Voice Grade 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 Voice Grade Service ^[1] (Cont'd)7.6.3 Optional Features and Functions (Cont'd)(A) Central Office Bridging Capability (Cont'd)

(5) Telemetry and Alarm Bridging

Split Band, Active Bridging
Passive Bridging
Summation, Active Bridging

The rates for these options are set forth in 17.3.4(C)(1)(e) following.

(B) Reserved For Future Use

(C) Conditioning

Conditioning provides more specific transmission characteristics for Voice Grade services. The rates for these options are set forth in 17.3.4(C) following.

For two-point services, the parameters apply to each service as measured end-to-end. For multipoint services, the parameters apply as measured on each mid-link or as measured on each end link. C-Type conditioning and Data Capability may be combined on the same service.

(1) 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-NWT-000335.

^[1] Effective February 1, 2020, Voice Grade 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 Voice Grade Service ^[1] (Cont'd)7.6.3 Optional Features and Functions (Cont'd)(C) Conditioning (Cont'd)(2) 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-NWT-000335. This option is available only when ordered in combination with C-Type Conditioning.

(3) 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-NWT-000335. This option is available only when ordered in combination with C-Type Conditioning.

* Improved Attenuation Distortion and Improved Envelope Delay Distortion will continue to be provided to all customers who were provided with either or both of these optional features in conjunction with C-Type Conditioning prior to May 4, 1988.

^[1] Effective February 1, 2020, Voice Grade 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 Voice Grade Service ^[1] (Cont'd)7.6.3 Optional Features and Functions (Cont'd)(C) Conditioning (Cont'd)(4) Data Capability (D Conditioning)

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 three-point multipoint services.

The Signal to C-Notched Noise Ratio and intermodulation distortion parameter for Data Capability are delineated in Technical Reference TR-NWT-000335. The rate for this option is set forth in 17.3.4(C)(2) following.

When a service equipped with Data Capability is used for voice communications, the quality of the voice transmission may not be satisfactory.

(5) 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 on telephotographic services. The attenuation distortion and envelope delay distortion parameters for Telephoto Capability are delineated in Technical Reference TR-NWT-000335.

(6) Sealing Current Conditioning

Sealing Current Conditioning is provided to help maintain continuity on dry metallic loops. It is usually associated with four-wire DA or NO type network channel interfaces

^[1] Effective February 1, 2020, Voice Grade 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 Voice Grade Service ^[1] (Cont'd)7.6.3 Optional Features and Functions (Cont'd)(D) Customer Specified Premises Receive Level

This option allows the customer to specify the receive level at the Point of Termination. The level must be within a specific range on effective four- wire transmission. The ranges are delineated in Technical Reference TR-NWT-000335. The rate for this option is set forth in 17.3.4(C)(4) following.

(E) Improved Return Loss

- (1) 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-NWT-000335. The rate for this option is set forth in 17.3.4(C)(3) following.
- (2) On Effective Two-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-NWT-000335. The rate for this option is set forth in 17.3.4(C)(3) following.

^[1] Effective February 1, 2020, Voice Grade 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 Voice Grade Service ^[1] (Cont'd)7.6.3 Optional Features and Functions (Cont'd)(F) Signaling Capability

Signaling Capability provides for the ability to transmit signals from one customer premises to another customer premises on the same service. The rate for this option is set forth in 17.3.4(C)(6) following.

The following network channel interfaces for Voice Grade service do not require signaling capability: AH, DA, DB, DD, DE, DS, NO, PR and TF.

The following network 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. The signaling capability charge will not apply when used in the provision of WATS access service.

(G) Selective Signaling Arrangement

An arrangement that permits code selective ringing for up to ten codes on a multipoint service. The rate for this option is set forth in 17.3.4(C)(7) following.

^[1] Effective February 1, 2020, Voice Grade 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 Voice Grade Service ^[1] (Cont'd)7.6.3 Optional Features and Functions (Cont'd)(H) Transfer Arrangement

An arrangement that affords the customer an additional measure of flexibility in the use of an access channel(s). The arrangement can be utilized to transfer a leg of a Special Access Service to another channel that terminates in either the same or a different customer premises. A dial-up control service is required to operate the transfer arrangement. A spare channel, if required, is not included as part of the option. The rate for this option is set forth in 17.3.4(C)(8) following.

(I) Public Packet Switching Network (PPSN) Interface Arrangement

An arrangement that provides the interface requirements that permit a Voice Grade service to interface with a Public Packet Switching Network packet switch located in a Company premises. The interface is compatible with X.25 and X.75 packet switching protocols as defined by the CCITT. This option is provided on an Individual Case Basis as set forth in 17.3.4(C)(9) following.

(J) Four-Wire/Two-Wire Conversions

When a customer requests that an effective four-wire channel be terminated with a two-wire channel interface at the customer designated premises, a four-wire to two-wire conversion is required. The customer will be charged the four-wire Non-Competitive End User Channel Termination (EUCT) rate as set forth in 17.3.4(A) following when an effective four-wire is specified in the order for service. The rate for the conversion is included as part of the basic four-wire Non-Competitive EUCT rate.

^[1] Effective February 1, 2020, Voice Grade 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 Voice Grade Service ^[1] (Cont'd)7.6.3 Optional Features and Functions (Cont'd)(K) Improved Two-Wire Voice Transmission(1) Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is -4.0 dB to +4.0 dB.

(2) Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 280 Hz frequency band relative to loss at 1004 Hz is -2.0 dB to +6.0 dB.

(3) C-Message Noise

The maximum C-Message Noise for the transmission path at the route miles listed is less than:

<u>Route Miles</u>	<u>C-Message Noise</u>
less than 50	35 dBrnc
51 to 100	37 dBrnc
101 to 200	40 dBrnc
201 to 400	43 dBrnc
401 to 1000	45 dBrnc

(4) Return Loss

The Return Loss, expressed as Echo Return Loss (ERL) and Singing Return Loss (SRL), is equal to or greater than:

ERL	13.0 dB
SRL	6.0 dB

The rate for the provision of Improved Two-Wire Voice Transmission is included as part of the basic Channel Termination rate.

^[1] Effective February 1, 2020, Voice Grade 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 Program Audio Service ⁽¹⁾7.7.1 Basic Channel Description

A Program Audio Non-Competitive End User Channel Termination (EUCT) is a channel with bandwidth 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. Only one-way transmission is provided. Program Audio Non-Competitive EUCT channels are provided between customer designated premises or between a customer designated premises and a Company hub.

Program Audio Special Access Non-Competitive EUCT are typically used in full-time and part-time applications for radio broadcasting, noncommercial educational audio, and wired music. These examples of applications are not intended to limit a customer's use of the channel nor to imply that the channel is limited to a particular use.

Rates and charges for Special Access Program Audio Non-Competitive EUCT are as set forth in 17.3.5 following.

7.7.2 Technical Specifications Packages and Network Channel Interfaces

Technical Specifications Packages are set forth in 15.2.1(D) following. Compatible network channel interfaces are set forth in 15.2.2(C)(4) following.

7.7.3 Optional Features and Functions(A) Central Office Bridging Capability

Distribution Amplifier

(B) Gain Conditioning

Control of 1004 Hz AML at initiation of service to 0 dB \pm 0.5 dB.

(C) Stereo

Provision of a pair of gain/phase equalized channels for stereo applications. (An additional Program Audio channel must be ordered separately.)

The table set forth in 15.2.1(D) following shows the technical specifications packages with which the optional features and functions are available.

[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)7.8 Reserved For Future Use7.9 Digital Data Service ^[1]7.9.1 Basic Channel Description

A Digital Data Non-Competitive End User Channel Termination (EUCT) is a channel for duplex four-wire transmission of synchronous serial data at the rate of 2.4, 4.8, 9.6, 19.2, 56.0 or 64.0* Kbps. The actual bit rate is a function of the channel interface selected by the customer. The channel 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 provided as either hubbed or non-hubbed services between customer designated premises or between a customer designated premises and a Company hub. The hubs providing hubbed digital service and the wire centers providing non-hubbed digital service are identified in National Exchange Carrier Association, Inc., Tariff F.C.C. No. 4.

The customer may provide the Channel Service Unit-type equipment associated with the Digital Data channel at the customer premises.

The Company will provide a channel capable of meeting a monthly average performance equal to or greater than 99.875% error-free seconds (if provided through a Digital Data hub) while the channel 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 (MDP-326-726).

Rates and charges for Special Access Digital Data Non-Competitive EUCTs are as set forth in Section 17.3.7, following.

7.9.2 Technical Specifications Packages and Network Channel Interfaces

Technical Specifications Packages are set forth in 15.2.1(F) following. Compatible channel interfaces are set forth in 15.2.2(C)(6) following.

^[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)7.9 Digital Data Service^[1] (Cont'd)7.9.2 Technical Specifications Packages and Network Channel Interfaces (Cont'd)

The following network channel interfaces (NCIs) define the bit rates that are available for a Digital Data Non-Competitive End User Channel Termination (EUCT):

<u>NCI</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-56	56.0 Kbps
DU-64	64.0 Kbps

7.9.3 Optional Features and Functions

The Optional Features and Functions described in (A), (B), and (C) following are only available where Digital Data Service is provided via a hub

- (A) Central Office Bridging Capability
Bridging is not available on a 64.0 Kbps channel.
- (B) Transfer Arrangement
An arrangement that affords the customer an additional measure of protection and/or flexibility in the use of their access channel(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 channel 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 channel, if required, is not included as a part of the option.
- (C) Public Packet Switching Network (PPSN) Interface Arrangement
An arrangement that provides the interface requirements that permit a Digital Data Non-Competitive EUCT to interface with a Public Packet Switching Network packet switch located in a Telephone Company premises. The interface is compatible with X.25 and X.75 packet switching protocols as defined by the CCITT.

The table set forth in 15.2.1(F) following shows the technical specifications packages with which the optional features and functions are available.

^[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 High Capacity Service7.10.1 Basic Channel Description

A High Capacity Non-Competitive End User Channel Termination (EUCT) is a channel for the transmission of nominal 64.0 Kbps* or 1.544, 3.152, 6.132 or 44.736 Mbps isochronous serial data. The actual bit rate is a function of the channel interface selected by the customer. High Capacity channels are provided between customer designated premises or between a customer designated premises and a Company hub.

A channel with technical specifications package DS1 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 GR-342-CORE.

A term discount is available for High Capacity Service.

Rates and charges for Special Access High Capacity Non-Competitive EUCTs are as set forth in 17.3.8 following.

7.10.2 Technical Specifications Packages and Network Channel Interfaces

Technical Specifications Packages are set forth in 15.2.1(G) following. Compatible channel interfaces are set forth in 15.2.2(C)(7) following.

The following network channel interfaces (NCIs) define the bit rates that are available for a High Capacity channel:

<u>NCI</u>	<u>Bit Rate</u>
DS-15**	1.544 Mbps (DS1)
DS-31	3.152 Mbps (DS1C)
DS-44	44.736 Mbps (DS3)
DS-63	6.312 Mbps (DS2)

* Available only as a channel 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 channels of two 1.544 Mbps facilities to a Digital Data hub(s). The customer must provide system and channel assignment data.

** A 64.0 Kbps channel is available as a channel(s) of a 1.544 Mbps channel to a Company hub.

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7. Special Access Service (Cont'd)7.10 High Capacity Service (Cont'd)7.10.3 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 channel line when a working line fails. The spare channel is not included as a part of the option. This option requires compatible equipment at both the serving wire center and the customer designated premises. The customer is responsible for providing the equipment at its designated premises. Equipment at the customer designated 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 channel(s). The arrangement can be utilized to transfer a leg of a Special Access Service to either a spare or working channel 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 channel, if required, is not included as part of the option.

(D) Clear Channel Capability (CCC)

- (1) CCC is an arrangement that allows a customer to transport 1.536 Mbps information rate signals over a 1.544 Mbps High Capacity channel or over a 1.544 Mbps High Capacity channel derived from a multiplexed 44.736 Mbps High Capacity channel with no constraint on the quantity or sequence of one and zero bits. This arrangement requires the customer signal at the channel interface to conform to Bipolar with Eight Zero Substitution (B8ZS) line code as described in Technical Reference GR-54-CORE and Technical Reference TR-342-CORE.

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7. Special Access Service (Cont'd)7.10 High Capacity Service (Cont'd)7.10.3 Optional Features and Functions (Cont'd)(D) Clear Channel Capability (CCC) (Cont'd)

- (2) CCC is provided, subject to availability of facilities, on DS1/1.544 Mbps High Capacity channels between two customer designated premises and on multiplexed DS3/44.736 Mbps High Capacity channels or multiplexed DS1/1.544 Mbps High Capacity channels* between a Company hub office and a customer designated premises. The wire centers providing CCC are identified in National Exchange Carrier Association, Inc., Tariff F.C.C. No. 4.
- (3) The CCC optional feature may be ordered at the same time the High Capacity service is ordered or it may be ordered as an addition to an existing High Capacity Service. The customer must agree to out-of-service periods required to add this feature to an existing High Capacity Service. The charges for the CCC optional feature are as set forth in 7.2.2 (C)(3) preceding.

7.11 Reserved For Future Use7.12 Individual Case Filings

Certain services set forth in Special Access Service, Section 7 are provided on an Individual Case Basis.

* Available only on a DS1-to-Digital multiplexed configuration.

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8. Reserved For Future Use

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9. Directory Assistance Service

The Telephone Company will provide Directory Assistance (DA) Service to a customer from Directory Assistance Service locations (DA locations). DA locations are either primary or subtending. Primary DA locations are those to which terminating DA calls for the NPA first complete. Primary DA locations either process the telephone number request or, if necessary, forward the call to a subtending DA location for processing. DA service rates are assessed by the primary DA location only. Subtending DA locations are compensated by contractual arrangements between Telephone Companies.

9.1 General Description

Telephone Company provided DA Service is available to customers for their use in furnishing DA services to end users. It provides for the use of Directory Access Service between the premises of the ordering customer and the DA location(s), use of DA access equipment, and use of DA operators to provide telephone numbers.

Directory Access Service will be provided between the customer designated premises and the DA location by the Telephone Company. Rates and charges for Directory Assistance Service are set forth in 17.2.5 following.

9.1.1 Description and Provision of Directory Assistance Service

A Telephone Company DA operator, when furnished a name and locality, will provide or attempt to provide the telephone number listed in the Telephone Company DA records associated with the name given, at the rates and charges as set forth in 17.2.5 following. The Telephone Company's contact with the customer's end user shall be limited to that effort necessary to process a customer's end user's request for a telephone number; and the Telephone Company will not transfer, forward or redial a customer's end user call to any other location for any purpose other than the provision of DA Service.

Each Directory Access Service will consist of the following:

- An Interface Group equipped with an available Premises Interface as set forth in 15.3.1 following at the customer's designated premises.
- Directory Transport between the premises of the ordering customer and the DA location.

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9. Directory Assistance Service (Cont'd)9.1 General Description (Cont'd)9.1.1 Description and Provision of Directory Assistance Service (Cont'd)

When required by the Telephone Company, a separate Directory Access Service trunk group will be provided for DA Service for each NPA. Separate trunk groups will be required when the Telephone Company notifies the customer that the mechanized search of its data base and its mechanized operator practices require a mechanized identification of the NPA code for which the customer's end user desires DA information.

Further, when an access tandem is available and is requested, the Directory Access Service will be provided, at customer choice:

- as a separate Directory Access Service trunk group, or
- in combination with Feature Group B, C or D Switched Access Service.

9.1.2 Ordering Options and Conditions(A) Ordering

Except as set forth following, Directory Assistance Service provided under a Special Order is subject to the ordering conditions as set forth in Section 5. preceding. The customer shall determine and order the busy hour minutes of capacity and interface type of Directory Access Services it needs for DA Service.

When DA Service is initially ordered, the customer shall order the service for at least six months. Thereafter, additional service may be ordered for a minimum of six months. Not later than three months prior to the end of the six month period, the customer shall notify the Telephone Company if the service is to be discontinued at the end of the six month period. If no notice is received from the customer, the Telephone Company will automatically extend the service for another six months and all appropriate charges as set forth in 17.2.5 following will apply for another six months.

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9. Directory Assistance Service (Cont'd)9.1 General Description (Cont'd)9.1.2 Ordering Options and Conditions (Cont'd)(B) Cancellation of a Special Order

A customer may cancel a Special Order for DA Service on any date prior to the service date. The cancellation date is the date the Telephone Company receives written or verbal notice from the customer that the Special Order is to be cancelled. The verbal notice must be followed by written confirmation within 10 days.

When a customer cancels a Special Order for DA Service after the order date but prior to the start of service, the appropriate application of charges as set forth in Section 5, preceding, apply for the Directory Access Service cancelled. In addition, a charge equal to any unrecoverable capital costs incurred by the Telephone Company will apply to the customer.

(C) Changes to Special Orders

When a customer requests changes to a pending order for DA Service, such changes will be undertaken if they can be accommodated by the Telephone Company. The appropriate application of charges as set forth in Section 5, preceding, apply for the Directory Access Service cancelled. In addition, a charge equal to any other costs incurred by the Telephone Company because of the change will apply.

9.1.3 Rate Categories

There are two rate categories which apply to Directory Assistance Service:

- Directory Assistance Service Call
- Directory Transport Service

(A) Directory Assistance Service Call

The Directory Assistance Service Call rate category provides for the use of general DA Services such as operators and DA access equipment necessary to provide DA Service to a customer.

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9. Directory Assistance Service (Cont'd)9.1 General Description (Cont'd)9.1.3 Rate Categories (Cont'd)(B) Directory Transport Service

Directory Transport Service provides the transmission facilities and transport termination between the premises of the ordering customer and the DA location. For purposes of determining Directory Transport Mileage, distance will be measured from the wire center that normally serves the customer premises to the DA location(s).

Directory Transport is a two-way voice frequency transmission path composed of Switched Access Local Transport facilities as set forth in 6.1.3 preceding. The two-way voice frequency path transports calls in the terminating direction (from the premises of the ordering customer to the DA location). The following rate elements, which are more fully described in 6.1.3(A) preceding, are applicable.

- Entrance Facility for the transport of the DA call from the customer's premises to the serving wire center of that premises.
- Direct Trunked Transport (i.e., Direct Trunked Facility and Direct Trunked Termination) for the transport of the DA call from the customer's serving wire center to the DA location without switching at a tandem or from the serving wire center to the tandem.
- Tandem Switched Transport (i.e., Tandem Switched Facility, Tandem Switched Termination, and Tandem Switching) for the transport of the DA call from the tandem to the DA location.
- Multiplexing DS3 to DS1 Multiplexing charges apply when a High Capacity DS3 Entrance Facility or Direct Trunked Facility is connected with High Capacity DS1 Direct Trunked Transport. The DS3 to DS1 multiplexer will convert a 44.736 Mbps channel to 28 DS1 channels using digital time division multiplexing.

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9. Directory Assistance Service (Cont'd)9.1 General Description (Cont'd)9.1.3 Rate Categories (Cont'd)(B) Directory Transport Service (Cont'd)

DS1 to Voice Grade Multiplexing charges apply when a High Capacity DS1 Entrance Facility or Direct Trunked Facility is connected with Voice Grade Direct Trunked Transport. A DS1 to Voice Grade Multiplexing charge does not apply when a High Capacity DS1 Direct Trunked Facility is terminated at an electronic end office and only Switched Access Service is provided over the DS1 facility (i.e., Voice Grade Special Access channels are not derived). The DS1 to voice multiplexer will convert a 1.544 Mbps channel to 24 Voice Grade channels.

Multiplexing is only available at wire centers identified in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4, Wire Center Information.

The customer will specify whether the Directory Access Service is to be routed directly to a DA location or through an access tandem switch appropriately equipped for DA measurement and served by DA trunks to the DA location when such an access tandem switch is available. The combination of Feature Group B, C or D Switched Access Service with DA Service will only be provided at such available and appropriately equipped access tandem switches.

When Directory Transport is provided using a Direct Trunked Transport to the DA location, no address signaling is provided. When Directory Transport is provided with the use of an access tandem switch, wink start-start pulsing signaling is provided at the access tandem switch. When access tandem routing is provided, the customer shall address each call to the DA location using NPA + 555 + 1212 or when required by the Telephone Company, 555-1212. Only NPA codes handled by the DA location served by the access tandem switch will be processed.

Directory Transport is provided with one of the Local Transport Interface Groups as set forth in 15.1.1 following.

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9. Directory Assistance Service (Cont'd)9.1 General Description (Cont'd)9.1.4 Special Facilities Routing

A customer may request that Directory Access Service be provided via Special Facilities Routing. The regulations, rates and charges for Special Facility Routing (Avoidance, Diversity and Cable Only) are as set forth in Section 11. following.

9.1.5 Design Layout Report

The Telephone Company will provide to the customer the makeup of the facilities and services provided under this section as Directory Access Service. This information will be provided in the form of a Design Layout Report similar to that set forth in 6.1.5 preceding. Design Layout Reports for Directory Access Service will be provided only when specifically requested by the customer. The Design Layout Report will be provided to the customer at no charge and will be reissued or updated whenever the facilities provided for the customer's use are materially changed.

9.2 Undertaking of the Telephone Company9.2.1 Number of Telephone Number Requests

A maximum of two (2) requests for telephone numbers will be accepted per call to Directory Assistance and DA operators will not transfer, forward or redial the call to another location for any purpose other than the provision of DA Service.

9.2.2 Telephone Number Availability

A telephone number which is not listed in DA record will not be available to the customer's end user.

9.2.3 Selection of DA Locations

The Telephone Company will specify the DA location which provides the DA Service for each numbering plan area code (NPA). The DA locations are as shown in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4.

When it becomes necessary to change a DA location, as determined by the Telephone Company, the Telephone Company will notify the involved customers six months prior to the change. For such changes, the regulations as set forth in 2.1.7 preceding apply.

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9. Directory Assistance Service (Cont'd)9.2 Undertaking of the Telephone Company (Cont'd)9.2.4 Transmission Specifications

Each Directory Assistance Service transmission path is provided with standard transmission specifications, either Type A or B, as set forth respectively in 15.1.2(E) and (F) following. The specifications associated with the parameters are guaranteed to the DA location. The standard for a particular transmission path is dependent upon the following:

- Whether Directory Access Service is provided in combination with Feature Group B, C or D Switched Access Service, or
- When not provided in combination with Switched Access Service, whether routed direct or via an access tandem switch.

The available transmission specifications are set forth in 15.3.2 following.

9.2.5 Testing(A) Acceptance Testing

The acceptance testing capabilities for Directory Access Service traffic routed through an access tandem are the same as those for the associated Feature Group C or D end office switching. The acceptance testing for Directory Access Service traffic routed directly or routed in separate trunk groups through an access tandem, to the DA location, will be the same as that for Switched Access Service as set forth in 6.2.4 preceding.

(B) Routine Testing

Routine testing capabilities for Directory Access Service traffic routed through an access tandem are the same as those for the associated Feature Group C or D end office switching. Routine testing capabilities for Directory Access Service traffic routed directly or routed in a separate trunk group through an access tandem, to the DA location, will be as set forth in 13.3.1(A)(3) following (Additional Manual Testing).

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9. Directory Assistance Service (Cont'd)9.2 Undertaking of the Telephone Company (Cont'd)9.2.6 Determination of Number of Transmission Paths

The number of Directory Transport transmission paths provided is based on the customer's order and is determined by the Telephone Company in a manner similar to Switched Access Service transmission paths as set forth in 6.2.5 preceding.

9.2.7 Supervisory Signaling

Trunk side switching is provided at the DA Service access location. The DA Service access location will provide trunk answer and disconnect supervisory signaling.

9.3 Obligations of the Customer

In addition to the obligations of the customer as set forth in Section 2, preceding, the customer has certain specific obligations concerning the use of Directory Assistance Service. These obligations are as follows:

9.3.1 Jurisdictional Reports

Directory Transport may, at the option of the customer, be provided for both interstate and intrastate communications. When the customer requests such mixed access, the interstate Directory Transport charges will be determined by the Telephone Company using the data furnished by the customer as set forth in 2.3.11 preceding.

9.3.2 Supervisory Signaling

The customer facilities at the premises of the ordering customer shall provide the necessary on-hook and off-hook supervision.

9.3.3 Ordering of Separate Trunk Groups

When requested by the Telephone Company, the customer shall order a separate trunk group for DA Service for each NPA. The conditions when the customer will be requested to order separate trunk groups for each NPA are set forth in 9.1.1 preceding.

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9. Directory Assistance Service (Cont'd)9.3 Obligations of the Customer (Cont'd)9.3.4 Notice of Discontinuance of Service

DA Service is ordered and renewed for a minimum period of six months at a time, as set forth in 9.1.2(A) preceding. Not later than three months prior to the end of any six month period, the customer shall notify the Telephone Company if the service is to be discontinued at the end of that period.

9.4 Rate Regulations

This section contains the specific regulations governing rates and charges that apply for Directory Assistance Service.

9.4.1 Nonrecurring Charges

Nonrecurring charges for DA Service are one-time charges that apply for a specific work activity (i.e., installation, change to an existing service and DA Service rearrangements).

(A) Installation of Service

Nonrecurring Local Transport Installation and Direct Trunked Transport Activation charges as set forth in 17.2.1(A) and (D) following are applied as set forth in 6.4.1(B)(1) preceding to each Directory Access Service installed.

(B) DA Service Rearrangements

All changes to existing services other than changes involving administrative activities will be treated as a discontinuance of the existing service and an installation of a new service.

9.4.2 Directory Assistance Service Call Charge

The Directory Assistance service call charge, as set forth in 17.2.5(A) following, applies for each call to DA Service. A call is a call which has been answered by a DA operator. The charge applies whether or not the DA operator provides the requested telephone number. The number of calls answered by DA operators will be accumulated by Telephone Company measuring equipment. A credit for the provision of an incorrect telephone number will be applied as set forth in 9.4.8 following.

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9. Directory Assistance Service (Cont'd)9.4 Rate Regulations (Cont'd)9.4.3 Directory Transport Service

The Local Transport charges set forth in 17.2 following are also applicable to Directory Transport Service and will be assessed on the same basis as the Switched Access Local Transport rate elements set forth in 6.1.3(A) preceding:

- Entrance Facility
- Direct Trunked Transport
- Tandem Switched Transport
- Multiplexing

9.4.4 Minimum Periods

The minimum period for which DA Service and the Directory Access Service is provided and for which charges apply is six months. A minimum period of six months applies for each additional period of service ordered or extended.

If DA Service is discontinued prior to the end of each six month period, the charges that apply for the remaining months are the non-recoverable costs. Such costs include the non-recoverable cost of equipment and material ordered, provided or used, plus the nonrecoverable cost of installation and removal including the costs of engineering, labor supervision, transportation, rights-of-way and other associated costs less estimated net salvage.

The minimum period for which High Capacity DS3 Entrance Facilities or High Capacity DS3 Direct Trunked Transport is provided is twelve months.

9.4.5 Minimum Monthly Charge

DA service is subject to a minimum monthly charge. The minimum monthly charge is calculated as follows:

The minimum monthly charge for Directory Assistance Service calls is the charge as set forth in 17.2.5(A) following for the actual usage for the month.

For Directory Transport rate element, the minimum monthly charge the customer will be assessed will be the usage charges based on actual usage. For flat rated Directory Transport rate elements, the minimum monthly charge is the sum of the recurring charges prorated to the number of days or major fraction of days based on a 30 day month. Rates for Directory Transport are set forth in 17.2.2 following.

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9. Directory Assistance Service (Cont'd)9.4 Rate Regulations (Cont'd)9.4.6 DA Service Rearrangements

Nonrecurring charges apply for service rearrangements. Service rearrangements and the regulations concerning the application of associated nonrecurring charges are as set forth in 6.4.1(B)(3) preceding.

9.4.7 Moves

A move involves a change in the physical location of the point of termination at the customer designated premises or of the customer designated premises. Move will be treated as set forth in 6.4.4 preceding and all associated nonrecurring charges will apply. Minimum period requirements will be established at the new location as set forth in 6.4.4 preceding. The customer will also remain responsible for satisfying all outstanding minimum period charges for the discontinued service.

9.4.8 Credit Allowance for Service Outages and Incorrect Numbers

- (A) When the DA location or DA operator equipment or terminals are out of service due to a Telephone Company equipment failure a credit allowance is provided. When an incorrect number is provided and a customer DA call has been answered by a DA operator, a credit allowance is provided. The credit allowance provided is equal to the rate for a Directory Assistance Service Call as set forth in 17.2.5(A) following. The credit will be applied to the customer's charges.
- (B) In addition to the credit as set forth in (A) preceding, when a DA operator or DA equipment provides an incorrect number for a call and the customer reports such occurrences to the Telephone Company, a credit allowance for the Switched Access portion of the call in the originating LATA of such DA call will apply. The credit will be as set forth in (C) following. When the customer reports such a call and the number requested, the number provided and the reason the number provided is incorrect, the number of calls for which a credit will apply will be developed by the Telephone Company in cooperation with the customer.
- (C) When a DA call is not completed due to the failure of Directory Access Service to DA locations, DA access equipment or DA operator activities, a credit allowance for the Switched Access Service portion in the originating LATA of such DA call will apply. When the customer reports such a call and DA number dialed, time of the call and the date of the call, the number of calls for which a credit will apply will be developed by the Telephone Company in cooperation with the customer. The credit will be as set forth in 17.2.5(B) following. Credit allowances for other service interruptions will be provided as set forth in 2.4.4 preceding.

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10. Special Federal Government Access Services10.1 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.

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 Telephone Company or customer.

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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10. Special Federal Government Access Services (Cont'd)10.3 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.

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.

10.4 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.

10.5 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.

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10. Special Federal Government Access Services (Cont'd)10.5 Service Offerings to the Federal Government (Cont'd)10.5.1 Type and Description(A) Voice Grade Special Access Services(1) Voice Grade Secure Communications Type I

Approximate bandwidth of 10-50,000 Hz. Furnished for two-point secure communications on two-wire or four-wire metallic facilities between a customer designated 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)10.5 Service Offerings to the Federal Government (Cont'd)10.5.1 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 preceding. 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 a customer designated 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 a customer designated premises 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 customer designated premises to the end user's premises shall be the same as Voice Grade Secure Communications Type I services without additional conditioning; from the end user's premises to the customer designated premises 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)10.5 Service Offerings to the Federal Government (Cont'd)10.5.1 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 customer designated premises. 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) 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 6.2.1 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.

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10. Special Federal Government Access Services (Cont'd)10.5 Service Offerings to the Federal Government (Cont'd)10.5.1 Type and Description (Cont'd)(C) Government Emergency Telecommunications Service (GETS) (Cont'd)

(5) The appropriate agency or branch of the Federal Government is responsible for ordering the government identified access code per end office.

(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)10.5 Service Offerings to the Federal Government (Cont'd)10.5.1 Type and Description (Cont'd)(C) Government Emergency Telecommunications Service (GETS)
(Cont'd)(6) 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)10.5 Service Offerings to the Federal Government (Cont'd)10.5.1 Type and Description (Cont'd)(C) Government Emergency Telecommunications Service (GETS)
(Cont'd)(6) 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 10.6.4 following.

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10. Special Federal Government Access Services (Cont'd)10.5 Service Offerings to the Federal Government (Cont'd)10.5.1 Type and Description (Cont'd)(C) Government Emergency Telecommunications Service (GETS)
(Cont'd)(7) 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 10.6.4 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)10.5 Service Offerings to the Federal Government (Cont'd)10.5.1 Type and Description (Cont'd)(C) Government Emergency Telecommunications Service (GETS)
(Cont'd)(8) 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 10.6.4 following, are billed to the appropriate agency or branch of the Federal Government responsible for GETS or its authorized representative.

(9) 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 10.6.4 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)10.5 Service Offerings to the Federal Government (Cont'd)10.5.1 Type and Description (Cont'd)(C) Government Emergency Telecommunications Service (GETS)
(Cont'd)(10) 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 10.6.4 following, is billed to the appropriate agency or branch of the Federal Government responsible for GETS or its authorized representative.

10.5.2 Mileage Application

Mileage, when used for rate application between the serving wire centers of two customer designated 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 7.2.5 preceding.

10.6 Rates and Charges10.6.1 General

The rates and charges for special offerings to the Federal Government, such as those set forth in 10.5 preceding, are developed on an individual case basis and are set forth in 17.4.5 following.

10.6.2 Voice Grade Special Access

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 voice grade services, where required by the customer provided equipment or switching operation, are furnished in accordance with the applicable sections of this tariff.

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10. Special Federal Government Access Services (Cont'd)10.6 Rates and Charges10.6.3 Move Charges

- (A) When a service without a termination charge associated with that service, as set forth in 17.4.5 following, 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 of the nonrecurring charge applies.
- (B) When service with a termination charge associated with that service, as set forth in 17.4.5 following, is moved and 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 a 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, restoration 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 Rates and Charges (Cont'd)10.6.4 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

The services provided under this tariff are provided over such routes and facilities as the Company may elect. Special Facilities Routing is involved when, in order to comply with requirements specified by the customer, the 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 circuits must be provided over not more than two different physical routes.

11.1.2 Avoidance

A circuit(s) must be provided on a route which avoids specified geographical locations.

11.1.3 Diversity and Avoidance Combined

Avoidance and Diversity are available on Switched Access Service as set forth in Section 6 preceding; Voice Grade Special Access Services as set forth respectively in 7.6 preceding and Special Federal Government Access Services as set forth in 10.5 preceding.

11.1.4 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 Company.

Cable-Only Facilities are available for Switched Access Service as set forth in Section 6 preceding; Voice Grade Special Access Services as set forth in 7.6 preceding and Special Federal Government Access Services as set forth in 10.5 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.

The rates and charges for Special Facilities Routing of Access Services are developed on an individual case basis. Such rates and charges for Special Facilities Routing of Access Services are as set forth in 17.4.6 following and are in addition to all other rates and charges that may be applicable for services provided under other sections of this tariff.

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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.

Rates and charges and additional regulations if applicable, for Specialized Service or Arrangements are provided on an individual case basis.

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13. Additional Engineering, Additional Labor and Miscellaneous Services

13.1 addresses Additional Engineering. 13.2 addresses Additional Labor (which is comprised of Overtime Installation, Overtime Repair, Standby, Testing and Maintenance with Other Telephone Companies, and Other Labor). 13.3 addresses Miscellaneous Services (which are comprised of Testing Services, Maintenance of Service, Telecommunications Service Restoration Priority, Miscellaneous Equipment and Provision of Access Service Billing Information). 13.4 addresses Presubscription.

In this section, normally scheduled working hours are an employee's scheduled work period in any given calendar day (e.g., 8:00 a.m. to 5:00 p.m.) for the application of rates based on working hours.

A Miscellaneous Service Order charge as described in 5.4.2 preceding may be applicable to services ordered from this section.

13.1 Additional Engineering

For Special Access Additional Engineering, only Non-Competitive End-User Channel Terminations 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 the Company's other designated location.

Additional Engineering, including engineering reviews as set forth in 5.4.3 preceding, will be undertaken only after the Company has notified the customer that additional engineering charges apply as set forth in 17.4.2 following, and the customer agrees to such charges.

Additional Engineering will be provided by the Company at the request of the customer only when:

- (A) A customer requests additional technical information after the Company has already provided the technical information normally included on the Design Layout Report (DLR) as set forth in 6.1.5 and 7.1.6 preceding.
- (B) Additional Engineering time is incurred by the Company to engineer a customer's request for a customized service as set forth in 7.1.2 preceding.
- (C) A customer requested Design Change requires the expenditure of Additional Engineering time. Such additional engineering time is incurred by the Company for the engineering review as set forth in 5.4.3 preceding. The charge for additional engineering time relating to the engineering review, which is undertaken to determine if a design change is indeed required, will apply whether or not the customer authorizes the Company to proceed with the Design Change. In this case the Design Change charge, as set forth in 17.4.1(C) following, does not apply unless the customer authorizes the Company to proceed with the Design Change.

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13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.2 Additional Labor

For Special Access Additional Labor, only Non-Competitive End-User Channel Terminations 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 the Company's other designated location.

Additional Labor is that labor requested by the customer on a given service and agreed to by the Company as set forth in 13.2.1 through 13.2.5 following. The Company will notify the customer that additional labor charges as set forth in 17.4.3 following will apply before any Additional Labor is undertaken. 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. When provisioning or restoring Telecommunications Service Priority services, the Company will, when possible, notify the customer of the applicability of these Additional Labor charges.

13.2.1 Overtime Installation

Overtime installation is that Company installation effort outside of normally scheduled working hours.

13.2.2 Overtime Repair

Overtime repair is that Company effort performed outside of normally scheduled working hours.

13.2.3 Standby

Standby includes all time in excess of one-half (1/2) hour during which Company personnel standby to make installation acceptance tests or cooperative tests with a customer to verify facility repair on a given service.

13.2.4 Testing and Maintenance with Other Telephone Companies

Additional testing, maintenance or repair of facilities which connect other telephone companies is that which is in addition to the normal effort required to test, maintain or repair facilities provided solely by the Company.

13.2.5 Other Labor

Other labor is that additional labor not included in 13.2.1 through 13.2.4 preceding and labor incurred to accommodate a specific customer request that involves only labor which is not covered by any other section of this tariff.

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13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.3 Miscellaneous Services13.3.1 Testing Services

Testing Services offered under this section of the tariff are optional and subject to rates and charges as set forth in 17.4.4 following. 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. Other testing services, as described in 6.2.4 and 7.1.7 preceding, are provided by the Telephone Company in association with Access Services and are furnished at no additional charge.

Testing services are normally provided by Telephone Company personnel at Telephone Company locations; however, provisions are made in (B)(2) following for a customer to request Telephone Company personnel to perform Testing Services at the customer designated premises.

The offering of Testing Services under this section of the tariff is made subject to the availability of the necessary qualified personnel and test equipment at the various test locations mentioned in (A) and (B) following.

(A) Switched Access Service

Testing Services for Switched Access are comprised of (a) tests which are performed during the installation of a Switched Access Service, (i.e., Acceptance Tests), (b) tests which are performed after customer acceptance of such access services and which are without charge (i.e., routine testing) and (c) additional tests which are performed during or after customer acceptance of such access services and for which additional charges apply, (i.e., Additional Cooperative Acceptance Tests and in-service tests).

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Routine tests are those tests performed by the Telephone Company on a regular basis, as set forth in 6.2.4 preceding which are required to maintain Switched Access Service. Additional in-service tests may be done on an automatic basis (no Telephone Company or customer technicians involved), on a manual basis (Telephone Company technician(s) involved at Telephone Company office(s) and Telephone Company or customer technician(s) involved at the customer designated premises).

Testing services are ordered to the Dial Tone Office for FGA, to the access tandem or end office for FGB (wherever the FGB service is ordered) and to the end office for FGs C and D. Testing Services for Directory Assistance Service not routed through an access tandem is ordered to a Directory Assistance Location for each NPA.

(1) Additional Cooperative Acceptance Testing

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

Additional Cooperative Acceptance Tests may, for example, consist of the following tests:

- Impulse Noise
- Phase Jitter
- Signal to C-Notched Noise Ratio
- Intermodulation (Nonlinear) Distortion
- Frequency Shift (Offset)
- Envelope Delay Distortion
- Dial Pulse Percent Break

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Additional Automatic Testing (AAT) of Switched Access Services (Feature Groups B, C and D), is a service where the customer provides remote office test lines and 105 test lines with associated responders or their functional equivalent. The customer may order, at additional charges, gain-slope and C-notched noise testing and may order the routine tests (1004 Hz loss, C-Message Noise and Balance) on an as-needed or more than routine schedule.

The Telephone Company will provide an AAT report that lists the test results for each trunk tested. Trunk test failures requiring customer participation for trouble resolution will be provided to the customer on an as- occurs basis.

The Additional Tests, (i.e., gain slope, C- notched noise, 1004 Hz loss, C-message noise and balance) may be ordered by the customer at additional charges, 60 days prior to the start of the customer prescribed schedule. The rates for Additional Automatic Tests are as set forth in 17.4.4(B) following.

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13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.3 Miscellaneous Services (Cont'd)13.3.1 Testing Services (Cont'd)(A) Switched Access Service (Cont'd)(3) Additional Manual Testing

Additional Manual Testing (AMT) of Switched Access Services (Feature Groups A, B, C, and D and Directory Access Service not routed through an access tandem), is a service where the Telephone Company provides a technician at its office(s) and the Telephone Company or customer provides a technician at the customer designated premises, with suitable test equipment to perform the required tests. Such additional tests will normally consist of gain-slope and C-notched noise testing. However, the Telephone Company will conduct any additional tests which the IC may request.

The Telephone Company will provide an AMT report listing the test results for each trunk tested. Trunk test failures requiring customer participation for trouble resolution will be provided to the customer on a per occurrence basis.

The Additional Manual Tests may be ordered by the customer at additional charges, 60 days prior to the start of the testing schedule as mutually agreed to by the customer and the Telephone Company.

The rates for Additional Manual Testing are as set forth in 17.4.4(C) following.

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- (a) The customer shall provide the Remote Office Test Line priming data to the Telephone Company, as appropriate, to support routine testing as set forth in 6.2.4(B) preceding or AAT as set forth in 13.3.1(A)(2) preceding.
- (b) The customer shall make the facilities to be tested available to the Telephone Company at times mutually agreed upon.

(B) Special Access Service

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

The Company will provide assistance in performing specific tests requested by the customer.

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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 Company will provide a technician at its office for the purpose of conducting Additional Cooperative Acceptance Testing on Voice Grade Services. At the customer's request, the Company will provide a technician at the customer's premises or at the end user premises. These tests may, for example, 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

(2) Additional Manual Testing

The Telephone Company will provide a technician at its premises, and the Telephone Company or customer will provide a technician at the customer's designated premises with suitable test equipment to perform the requested tests.

(3) Obligation of the Customer

When the customer subscribes to Testing Service as set forth in this section, the customer shall make the facilities to be tested available to the Telephone Company at times mutually agreed upon.

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13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.3 Miscellaneous Services (Cont'd)13.3.2 Maintenance of Service

For Special Access Maintenance of Service, only Non-Competitive End-User Channel Terminations 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 the Company's other designated locations.

- (A) 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 as set forth in 17.4.4(F) following for the period of time from when Company personnel are dispatched, at the request of the customer, to the customer designated 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 designated 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.

13.3.3 Telecommunications Service Priority - TSP

- (A) Priority installation and/or restoration of National Security Emergency Preparedness (NSEP) telecommunications services shall be provided in accordance with Part 64.401, Appendix A, of the Federal Communications Commission's (FCC's) Rules and Regulations.

In addition, TSP System service 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" (NCSH 3-1-2) dated July 9, 1990, and "Telecommunications Service Priority System for National Security Emergency Preparedness Service User Manual" (NCSM 3-1-1) .

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(A) (Cont'd)

The TSP System is a service, developed to meet the requirements of the Federal Government, as specified in the Service Vendor's Handbook and Service User's Manual which provides the regulatory, administrative and operational framework 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 providing such services.

For Switched Access Service, the TSP System's applicability is limited to those services which the Telephone Company can discreetly identify for priority provisioning and/or restoration.

(B) A Telecommunications Service Priority charge applies as set forth in 17.4.4 when a request to provide or change a Telecommunications Service Priority is received subsequent to the issuance of an Access Order to install the service.

Additionally, a Miscellaneous Service Order Charge as set forth in 17.4.1 will apply to Telecommunications Service Priority requests that are ordered subsequent to the initial installation of the associated access service.

A Telecommunications Service Priority charge does not apply when a Telecommunications Service Priority is discontinued or when ordered coincident with an Access Order to install or change service.

In addition, Additional Labor rates as set forth in 17.4.3 may be applicable when provisioning or restoring Switched or Special Access Services with Telecommunications Service Priority.

When the customer requests an audit or a reconciliation of the Telephone Company's Telecommunications Service Priority records, a Miscellaneous Service Order Charge as set forth in 17.4.1 (D) and Additional Labor rates as set forth in 17.4.3 are applicable.

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13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.3 Miscellaneous Services (Cont'd)13.3.4 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 a 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.

Charges for the Controller Arrangement are set forth in 17.4.4(H) following.

13.3.5 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 17.4.4(P).

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- (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 17.4.4(P) 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.

- (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 17.4.4(P) following.

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13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.4 Presubscription

Pursuant to the Federal Communications Commission's Memorandum Opinion and Order, CC Docket No. 83-1145, Phase I, adopted May 31, 1985, and released June 12, 1985, the Allocation Plan, outlined in the Appendix B of this Order, will be available for inspection in the Reference Information Center at the Federal Communications Commission's Washington D.C. location or may be obtained from the Commission's commercial contractor.

- (A) Presubscription is the process by which end user customers may select and designate to the Telephone Company an IC to access, without an access code, for interLATA calls. This IC is referred to as the end user's presubscribed interexchange carrier (PIC).
- (B) On the effective date of this tariff, all existing end users have access to interstate MTS/WATS. No later than 85 days prior to conversion to Feature Group D in a serving end office, the Telephone Company will notify end users of the availability of equal access in their particular area. The notification will include the names of all ICs wishing to participate in the presubscription process. This notification will be sent via U.S. Mail to each end user of record served by the end office to be converted.
- (C) End users may select one of the following options at no charge:
 - indicate a PIC or No-PIC for all of its lines,
 - indicate a different PIC or No-PIC for each of its lines.

Only one IC may be selected for each line or lines terminating in the same hunt group.

End users may designate that they do not want to presubscribe to any IC (No-PIC). The end user must arrange this designation by directly notifying the Telephone Company's business office. This choice will require the end user to dial an access code (10XXX or 101XXXX) for all interLATA calls.

After the end user's initial selection of a PIC or the designation that it does not want to presubscribe to any IC (No-PIC), for any change in selection after conversion to Equal Access in the serving end office, a nonrecurring charge, as set forth in 13.4(J) following applies.

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13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.4 Presubscription (Cont'd)

- (D) End users not responding to the initial notification will be sent a second notification for the selection of a PIC no earlier than 40 days prior to or no later than 90 days after the conversion to Equal Access in a serving end office. This second notification will indicate the default option of No-PIC will be assigned to them if they fail to respond to the second notification.

End users assigned to a No-PIC by default may change their No-PIC one time within six months after conversion to Equal Access in the serving end office at no charge. Following the six month period after conversion to Equal Access for any change in selection, a nonrecurring charge as set forth in Section 13.4(J), following, applies.

- (E) When an end user indicates more than one IC selection on the return notification or returns an illegible return notification, the Telephone Company will contact the end user for clarification. If the end user indicates an IC selection on the return notification that does not match with information provided by an IC and both notifications indicate the same authorization date, the end user's notification takes precedence, and the Telephone Company will process the end user's selection. In the event that two or more ICs provide to the Telephone Company notifications with the same authorization date and neither notification has been processed, the Telephone Company will contact the end user for clarification. A list of these end users in conflict must be sent to the affected IC by the Telephone Company.

In the event that two or more ICs have provided to the Telephone Company notifications with the same authorization date(s), and one IC notification has already been processed by the Telephone Company, those IC notifications not yet processed would be returned to the ICs.

- (F) New end users who are served by end offices equipped with Feature Group D will be asked to select a PIC or designate that they do not want to presubscribe to any IC (No-PIC) at the time they place an order with the Telephone Company for Telephone Exchange Service. They may select either of the following options. There will be no charge for this initial selection.

- indicate a PIC or No-PIC for all of its lines,
- indicate a different PIC or No-PIC for each of its lines.

Only one PIC or No-PIC may be selected for each individual line, or lines terminating in the same hunt group. End users that select No-PIC must arrange this designation by directly notifying the Telephone Company's business office. This choice will require the end user to dial an access code (101XXXX) for all interLATA calls. Subsequent to the installation of Telephone Exchange Service and after the end user's initial selection of a PIC or No-PIC, for any change in selection, a nonrecurring charge, as set forth in 13.4(J) following, applies.

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13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.4 Presubscription (Cont'd)

- (G) If the new end user fails to make a PIC or No-PIC Selection prior to the date of installation of Telephone Exchange Service, the Telephone Company will (1) default the customer's line to No-PIC, which will require the end user to dial an access code (101XXXX) for all interLATA calls or (2) block the end user from interLATA calling if unable to default customer's line to No-PIC. The end user will be notified which option will be applied if it fails to make a PIC or No-PIC selection. The end user will be allowed a six month period from installation of their service to select a PIC one time at no charge.

For any change in selection after 6 months from the installation of Telephone Exchange Service, a nonrecurring charge, as set forth in 13.4(J) following applies.

- (H) If an IC elects to discontinue its Feature Group D Service offering prior to or within 2 years of the conversion, the IC will notify the Telephone Company of the cancellation. The IC will also notify all end users which selected them that they are cancelling their service and that they should contact the Telephone Company to select a new PIC. The IC will also inform the end user that it will pay the PIC change charge. The cancelling IC will then be billed by the Telephone Company the nonrecurring charge set forth in Section 13.4(J) following for each end user for a period of two years from the discontinuance of Feature Group D service.
- (I) If an IC elects to change or discontinue use of a Carrier Identification Code (CIC) for any reasons other than those set forth in (H) above, the IC will identify to the Telephone Company any affected end users and advise the Telephone Company of the new CIC to be assigned to these end users. If the CIC change involves a change of carrier for any end users, the IC will notify the affected end users of the change. The telephone company will change the PIC of each end user identified by the IC to the new CIC and bill the IC the nonrecurring charge set forth in 13.4(J) following for each end user line or trunk that is changed.
- (J) As specified above, a nonrecurring charge will apply for subsequent changes to the end user's selection of a PIC, including the establishment or removal of a PIC or No-PIC selection. The nonrecurring charge to process a PIC change request is bifurcated into four (4) separate nonrecurring charges and applies as follows:
- (1) A nonrecurring charge, as set forth in Section 17.4.4(I)(1), following, applies when the PIC change request is submitted to the Telephone Company through manual methods.

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(J) (Cont'd)

- (2) A nonrecurring charge, as set forth in Section 17.4.4(I)(2), following, applies when the PIC change request is submitted to the Telephone Company through electronic methods.
- (3) A nonrecurring charge, as set forth in Section 17.4.4(I)(3), following, applies to the PIC change when a request submitted to the Telephone Company through manual methods requests a simultaneous change to both the interLATA PIC and intraLATA PIC selections.
- (4) A nonrecurring charge as set forth in Section 17.4.4(I)(4), following, applies to the PIC change when a request submitted to the Telephone Company through electronic methods requests a simultaneous change both the interLATA PIC and intraLATA PIC selections.

As used above, manual methods are (i) all personal interaction between an end user, or a person acting on behalf of the end user, and a Telephone Company employee and (ii) any facsimile or written submissions from an end user, or a person acting on behalf of the end user, to a Telephone Company service center. Electronic methods shall include all other methods. If a PIC change request utilizing an electronic method results in manual processing, the electronic nonrecurring charge shall apply upon completion of the request.

13.5 Unauthorized Predesignated Interexchange Carrier (PIC) Change

For purposes of this section, a subscriber is defined as:

- the party identified in the account records of the Telephone Company as responsible for payment of the telephone bill, or
- any adult person authorized by such party to change telecommunications services or to charge services to the account, or
- any person contractually or otherwise lawfully authorized to represent such party.

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13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.5 Unauthorized Predesignated Interexchange Carrier (PIC) Change (Cont'd)

If an IC requests a PIC change on behalf of a subscriber and the subscriber subsequently denies requesting the change; the Telephone Company will:

- Notify both carriers involved in the unauthorized change allegation made by the subscriber. This notification must include the identity of both carriers.
- Direct the subscriber to the appropriate state regulatory agency or the Federal Communications Commission to file a complaint.
- Inform the subscriber that if he or she has not already paid charges to the unauthorized carrier, he or she is not required to pay for any charges incurred for the first 30 days after the unauthorized change.

13.6 Blocking Service13.6.1 International Blocking Service

The Telephone Company will provide International Blocking Service to customers who obtain local exchange service from the Telephone Company under its general or local exchange tariffs and to customers who obtain Feature Group A Switched Access service under this tariff. This service is only provided at appropriately equipped Telephone Company end offices. Those offices providing International Blocking Service are identified in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4.

On each line or trunk for which International Blocking Service is ordered, the Telephone Company will block all direct dialed international calls that use the call sequence of 011+ or 10XXX-011+ or 101XXX-011+. When capable, the Telephone Company will route the blocked calls to a recorded message.

An International Blocking Service charge as set forth in 17.4.4(J) following is applicable for each new or existing exchange line or trunk or Feature Group A Switched Access line to which International Blocking Service is added or removed. This charge does not apply when blocking is removed from an exchange line or trunk or Feature Group A Switched Access line at the same time that it is disconnected.

A Miscellaneous Service Order Charge as set forth in 17.4.1(D) will apply to orders adding or removing International Blocking Service that are placed subsequent to the initial installation of the associated exchange line(s) or trunk(s) or Feature Group A Switched Access line(s). This charge does not apply when blocking is removed from an exchange line or trunk or Feature Group A Switched Access line at the same time that it is disconnected.

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13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.6 Blocking Service (Cont'd)13.6.2 900 Blocking Service

The Telephone Company will provide 900 Blocking Service to customers who obtain local exchange service from the Telephone Company under its general or local exchange tariffs and to customers who obtain Feature Group A Switched Access service under this tariff. This service is only provided at appropriately equipped end offices. Those offices providing 900 Blocking Service are identified in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4.

On each line or trunk for which 900 Blocking Service is ordered, the Telephone Company will block all direct dialed calls placed to a 900 number. When capable, the Telephone Company will route the blocked calls to a recorded message.

A Blocking Service charge as set forth in 17.4.4(J) following is applicable when ordered by the end user customer with the following exceptions:

- Blocking access to 900 Service is offered to all subscribers at no charge from November 1, 1993 through December 31, 1993.
- Blocking access to 900 Service is offered to all subscribers at no charge at the time telephone service is established at a new number and for 60 days thereafter.

The Blocking Service charge is applied for each line, trunk, or Feature Group A Switched Access service to which 900 Blocking Service is added or removed. Requests by subscribers to remove 900 Blocking Service must be in writing. This charge does not apply when blocking is removed from an exchange line or trunk or Feature Group A Switched Access line at the same time that it is disconnected.

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13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.7 Billing Name and Address Service13.7.1 General Description

- (A) Billing Name and Address (BNA) Service is the provision by the Telephone Company to an interstate service provider who is a customer of the Telephone Company of the complete billing name, street address, city or town, state and zip code for a telephone number assigned by the Telephone Company. An interstate telecommunications service provider is defined as an interexchange carrier, an operator service provider, an enhanced service provider or any other provider of interstate telecommunications services.
- (B) BNA Service is provided only for the purposes of allowing customers to bill their end users for telephone services provided by the customer, order entry and customer service information, fraud prevention, identification of end users who have moved to a new address, any purpose associated with equal access requirements, and information associated with Local Exchange Carrier (LEC) calling card calls, collect calls and third party calls. BNA information may not be resold or used for any other purpose including, but not limited to, marketing or merchandising activities.
- (C) BNA information associated with listed/published telephone numbers will be provided. Requests for BNA information associated with non-published and unlisted telephone numbers will be provided, unless the subscriber to a non-published or unlisted telephone number has affirmatively requested that its BNA not be disclosed.

13.7.2 Undertaking of the Telephone Company

- (A) A standard format for the receipt of BNA requests and the provision of BNA information will be established by the Telephone Company.
- (B) Standard response to BNA requests will be by First Class Mail. Standard format will be on paper.
- (C) Where facilities are available, BNA will be provided in digitally encoded formats on digital data storage devices. Telephone Companies providing BNA in digitally encoded formats will make available one or more of the following digital data storage devices for transmission of the BNA data: electronic transmission and/or Internet transmitted file. Individual Telephone Company availability of optional digital formats and transmission media are indicated in the Telephone Company's respective Section 17.4.4 rate section for BNA.

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- (D) Where facilities are available, the customer may request an optional specialized output format required to meet a specific customer need.
- (E) The Telephone Company will make every effort to provide accurate and complete BNA data. The Telephone Company makes no warranties, expressed or implied, as to the accuracy or completeness of this information.
- (F) The Telephone Company will not disclose BNA information to parties other than interstate telecommunications service providers as defined in 13.7.1(A), preceding. The Telephone Company will not process the order until such time as the interstate service provider supplies the requested data.

13.7.3 Obligations of the Customer

- (A) The customer shall order BNA Service on a separate BNA Order. The order must identify both the customer's authorized representative and the address to which the information is to be sent.
- (B) The customer shall treat all BNA information as confidential. The customer shall insure that BNA information is used only for the purposes as described in 13.9.1(B), preceding.
- (C) The customer shall not publicize or represent to others that the Telephone Company jointly participates with the customer in the development of the customer's end user records it assembles through the use of BNA Service.
- (D) Upon requests, the customer will provide to the Telephone Company the source data upon which the customer has based an order from BNA service. The Telephone Company will not process the order until such time as the customer provides the requested data.

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13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.7 Billing Name and Address Service (Cont'd)13.7.4 Rate Regulations

- (A) For each order for BNA information received by the Telephone Company, a BNA Order Charge applies. In addition, a charge applies for each customer specific record provided. The BNA Order Charge and the Per Record Charge are specified in 17.4.4 following.
- (B) Reserved For Future Use
- (C) Where available, the customer may order an output format other than a standard paper format in order to meet a customer's specific requirement. This option is subject to an hourly programming charge as specified in 17.4.4 following and is in addition to the BNA Order Charge and the BNA Record Charge.

13.8 Originating Line Screening (OLS) Service

The Telephone Company will provide OLS Service to aggregators and other customers who obtain local exchange service from the Telephone Company under its general or local exchange tariff. OLS service enables customers to determine whether there are billing restrictions on exchange service lines from which a call originates. OLS service delivers codes on operator assisted calls made from aggregator locations to identify, calls originating from privately owned payphones, inmate locations, and hotels/motels, etc.

OLS Service is provided at no charge when ordered with the installation of new local exchange service. However, when an OLS code is added to an existing exchange service line, a charge is applied as set forth in 17.4.4(L). This charge is applied for each exchange service line to which an OLS code is assigned. The customer must specify the number of exchange service lines and each individual telephone number equipped.

A Miscellaneous Service Order Charge as set forth in 17.4.1(D) will apply to orders adding OLS codes that are placed subsequent to the initial installation of the associated exchange service line. This charge does not apply when OLS codes are removed from an exchange service line at the same time that the exchange service line is disconnected.

OLS codes may be delivered using Line Information Database (LIDB) or Flexible Automatic Number Identification (Flex ANI) technology. Those telephone companies delivering OLS codes using LIDB are identified in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4, as are those companies delivering OLS codes using Flex ANI.

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13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.9 Nonchargeable Confirmation Services13.9.1 Billed Number Screening (BNS)

At the request of the customer, the Telephone Company business office will confirm BNS codes associated with a line to which a call is to be billed.

13.9.2 Originating Line Screening (OLS)

At the request of the customer, the Telephone Company business office will confirm OLS codes associated with an exchange service line from which a call originates.

13.10 Coin Supervision Additive Service

The Telephone Company will provide Coin Supervision Additive Service to Payphone Service Providers (PSPs) who order local exchange service lines for the provision of pay telephone service and where the pay telephone equipment connected to the local exchange service lines requires central office coin supervision capability. The local exchange service lines used for the provision of pay telephone service are obtained from and subject to the terms and conditions under the Telephone Company's general and/or local tariffs.

Coin Supervision Additive Service provides the capability of central office line equipment to pass signals and/or tones from an exchange service line to a trunk terminating at the PSP's operator service provider. These signals enable an operator service provider to recognize coin deposits and return coins to the pay telephone user. Coin Supervision Additive Service also permits a suitably equipped operator service provider to automatically ring back the originating exchange service line upon completion of a call.

A Coin Supervision Additive Service charge as set forth in 17.4.4(M) following is assessed monthly to the PSP for each exchange service line for which Coin Supervision Additive Service is provided.

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13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.11 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.

(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.

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13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.11 Local Number Portability (LNP) Query Service (Cont'd)(B) Service Provisioning(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.

(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 17.4.4(O)(1) following, regardless of the outcome of the query.

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13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.11 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 17.4.4(O)(2) 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 17.4.4 following.

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14. Exceptions to Access Service Offerings

The services 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 14.1 through 14.5 following are reserved for future listings as a result of a subsequent survey. In the meantime, in planning an end-to-end service, the customer should contact the Telephone Company in each customer designated premises city to assure itself that all of the service or service components required for a given customer service are currently available.)

- 14.1 The following service(s) is (are) not offered in the operating territory of listed Issuing Carriers.

(Reserved for future use.)

- 14.2 The following offering(s) is (are) limited to existing locations. No inside moves, rearrangements or additions will be permitted.

(Reserved for future use.)

- 14.3 The following offering(s) is (are) limited to existing locations. Inside moves or rearrangements may be undertaken. However, no additions will be permitted.

(Reserved for future use.)

- 14.4 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.

(Reserved for future use.)

- 14.5 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.

(Reserved for future use.)

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15. Access Service Interfaces and Transmission Specifications

15.1 contains Switched Access Service Options (which are comprised of Interface Groups, Supervisory Signaling, Entry Switch Receive Level and Local Transport Termination) and Transmission Specifications. 15.2 describes Special Access Service Network Channel (NC) codes and Network Channel Interface (NCI) codes. 15.3 contains Interface Group, Premises Interface Code and Standard Transmission Specifications applicable to Directory Access Service.

15.1 Switched Access Service

Ten Interface Groups are provided for terminating the Local Transport Entrance Facility at the customer's designated premises. Each Interface Group provides a specified premises interface (e.g., two-wire, four-wire, DS1, etc.). Where transmission facilities permit, and at the option of the customer, the Entrance Facility may be provided with optional features as set forth in 15.1.1 following.

As a result of the customer's access order and the type of Telephone Company transport facilities serving the customer designated 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 designated premises. For example, if a voice frequency interface is ordered by the customer and the Telephone Company facilities serving the customer designated premises are digital, then Telephone Company channel bank equipment must be placed at the customer designated premises in order to provide the voice frequency interface ordered by the customer.

15.1.1 Local Transport Interface Groups

Interface Groups are combinations of technical parameters which describe the Telephone Company handoff at the point of termination at the customer designated premises. The technical specifications concerning the available interface groups are set forth in (A) through (D) following.

Interface Group 1 is provided with Type C Transmission Specifications, as set forth in 15.1.2(C) following, and Interface Groups 2 through 10 are provided with Type A or B Transmission Specifications, as set forth respectively in 15.1.2(E) and (F) following, depending on the Feature Group 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 designated premises. The premises interfaces associated with the Interface Groups may vary among Feature Groups.

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15. Access Service Interfaces and Transmission Specifications (Cont'd)15.1 Switched Access Service (Cont'd)15.1.1 Local Transport Interface Groups (Cont'd)(A) Interface Group 1

Interface Group 1, except as set forth in the following, provides two-wire voice frequency transmission at the point of termination at the customer designated premises. The interface is capable of transmission of voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hz.

Interface Group 1 is not provided in association with FGC and FGD when the first point of switching is an access tandem. In addition, Interface Group 1 is not provided in association with FGB, FGC or FGD when the first point of switching provides only four-wire terminations.

The transmission path between the point of termination at the customer designated premises and the customer's serving wire center point of (C)switching may be comprised of any form or configuration of plant capable of and typically used in the telecommunications industry for the transmission of voice and associated telephone signals within the frequency bandwidth of 300 to 3000 Hz.

The interface is provided with loop supervisory signaling. When the interface is associated with FGA, such signaling will be loop start or ground start signaling. When the interface is associated with FGB, FGC or FGD, such signaling, except for two-way calling which is E&M signaling, will be reverse battery signaling.

(B) Interface Group 2

Interface Group 2 provides four-wire voice frequency transmission at the point of termination at the customer designated premises. The interface is capable of transmission of voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hz.

The transmission path between the point of termination at the customer designated premises and the customer's serving wire center may be comprised of any form or configuration of plant capable of and typically used in the telecommunications industry for the transmission of voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hz.

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15. Access Service Interfaces and Transmission Specifications (Cont'd)15.1 Switched Access Service (Cont'd)15.1.1 Local Transport Interface Groups (Cont'd)(B) Interface Group 2 (Cont'd)

The interface is provided with loop supervisory signaling. When the interface is associated with FGA, such signaling will be loop start or ground start signaling. When the interface is associated with FGB, FGC or FGD, such signaling, except for two-way calling which is E&M signaling, will be reverse battery signaling.

(C) Interface Groups 3 through 5

Interface Groups 3 through 5 provide analog transmission at the point of termination at the customer designated premises. The various interfaces are capable of transmitting electrical signals at the frequencies illustrated following, with the capability to channelize voice frequency transmission paths. Certain frequencies within the bandwidth of the Interface Groups 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 the transmission paths of frequency bandwidth of approximately 300 to 3000 Hz.

The interfaces are provided with individual transmission path SF supervisory signaling.

<u>Interface Group Identification No.</u>	<u>Transmission Frequency Bandwidth</u>	<u>Analog Hierarchy Level</u>	<u>Maximum No. Of Channelized Voice Freq. Trans. Paths</u>
3	60-108 kHz	Group	12
4	312-552 kHz	Supergroup	60
5	564-3084 kHz	Mastergroup	600

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15. Access Service Interfaces and Transmission Specifications (Cont'd)15.1 Switched Access Service (Cont'd)15.1.1 Local Transport Interface Groups (Cont'd)(D) Interface Groups 6 through 10

Interface Groups 6 through 10 provide digital transmission at the point of termination at the customer designated premises. The various interfaces are capable of transmitting electrical signals at the nominal bit rates illustrated following, with the capability to channelize 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 transmission paths of 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 a DS1 signal(s) in D3/D4 format.

The interfaces are provided with individual transmission path bit stream supervisory signaling.

<u>Interface Group Identification No.</u>	<u>Nominal Bit Rate (Mbps)</u>	<u>Digital Hierarchy Level</u>	<u>Max. No. of Channnelized Voice Freq. Trans. Paths</u>
6	1.544	DS1	24
7	3.152	DS1C	48
8	6.312	DS2	96
9	44.736	DS3	672
10	274.176	DS4	4032

(E) Local Transport Optional Features

Where transmission facilities permit, the Telephone Company will, at the option of the customer, provide the following features in association with Local Transport. An Access Order Charge as specified in 17.4.1(A) following is applicable on a per order basis when nonchargeable optional features are added subsequent to the installation of service.

- Customer Specified Entry Switch Receive Level
Customer Specified Entry Switch Receive Level allows the customer to specify the receive transmission level at the first point of switching. The range of transmission levels which may be specified is described in Technical Reference GR-334-CORE. This feature is available with Interface Groups 2 through 10 for Feature Groups A and B.

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15. Access Service Interfaces and Transmission Specifications (Cont'd)15.1 Switched Access Service (Cont'd)15.1.1 Local Transport Interface Groups (Cont'd)(E) Local Transport Optional Features (Cont'd)

- Customer Specification of Local Transport Termination
Customer Specification of Local Transport Termination allows the customer to specify, for Feature Group B routed directly to an end office or access tandem, a four-wire termination of the Local Transport at the first point of switching in lieu of a Telephone Company selected two-wire termination. This option is available only when the Feature Group B arrangement is provided with Type B Transmission Specifications.
- Supervisory Signaling
Supervisory Signaling allows the customer to order an optional supervisory signaling arrangement for each transmission path provided where the transmission parameters permit, and where signaling conversion is required by the customer to meet its signaling capability.
- 64 Clear Channel Capability

64 Clear Channel Capability allows the customer to transport voice or data signals over a 64 Kbps channel with no constraints on the quantity or sequence of ones and zero bits. This option employs the Bipolar 8 Zero Suppression (B8ZS) technique to permit customers to use the full 64 Kbps bandwidth of a DS0 channel. It is only available in suitably equipped electronic end offices as identified in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4. 64 Clear Channel Capability, as described in Technical Reference GR-334- CORE, is available with Interface Groups 6 and 9 for Feature Groups C and D with Signaling System 7 (SS&) signaling.

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15. Access Service Interfaces and Transmission Specifications (Cont'd)15.1 Switched Access Service (Cont'd)15.1.1 Local Transport Interface Groups (Cont'd)(F) Local Transport Optional Features (Cont'd)

The Interface Groups, as described in (A) through (D) preceding, represent industry standard arrangements. Where transmission parameters permit, the customer may select the following optional signaling arrangements in place of the signaling arrangements standardly associated with the Interface Groups.

- For Interface Groups 1 and 2 associated with FGB, FGC or FGD

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 associated with FGB, FGC or FGD and in addition to the preceding

SF Supervisory Signaling, or
Tandem Supervisory Signaling
- For Interface Groups 3 through 5

Optional Supervisory Signaling Not Available
- For Interface Groups 6 through 10

These Interface Groups may, at the option of the customer, 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 first point of switching provides an analog (i.e., non-digital) interface to the transport termination.

These optional Supervisory Signaling arrangements are not available in combination with the SS7 optional feature as described in 6.8.2 (C)(2) preceding.

Additionally, in (F) following, there is a matrix of available Premises Interface Codes as a function of Interface Group, Telephone Company Switch Supervisory Signaling and Feature Group.

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15. Access Service Interfaces and Transmission Specifications (Cont'd)15.1 Switched Access Service (Cont'd)15.1.1 Local Transport Interface Groups (Cont'd)(F) Available Premises Interface Codes

Following is a matrix showing premises interface codes which are available for each Interface Group. Their availability is a function of the Telephone Company switch supervisory signaling and Feature Group. For explanations of these codes, see the Parameter Codes and Options as set forth in 15.2.2(A) following.

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	2RV3-0		X	X	X
	RV	2RV3-T		X	X	X
	SS7	2NO2			X	X
2	LO, GO	4SF2	X			
	LO, GO	4SF3	X			
	LO	4LS2	X			
	LO	4LS3	X			
	LO	6LS2	X			

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15. Access Service Interfaces and Transmission Specifications (Cont'd)15.1 Switched Access Service (Cont'd)15.1.1 Local Transport Interface Groups (Cont'd)(F) Available Premises Interface Codes (Cont'd)

Interface Group	Telephone Company Switch Supervisory Signaling	Premises Interface Code	Feature Group			
			A	B	C	D
2 (Cont'd)	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			
	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		
	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	
	SS7	4NO2			X	X
3	LO,GO	4AH5-B	X			
	RV,EA,EB,EC	4AH5-B		X	X	X
	SS7	4AH5-B			X	X
4	LO,GO	4AH6-C	X			
	RV,EA,EB,EC	4AH6-C		X	X	X
	SS7	4AH6-C			X	X
5	LO,GO	4AH6-D	X			
	RV,EA,EB,EC	4AH6-D		X	X	X
	SS7	4AH6-D			X	X

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15. Access Service Interfaces and Transmission Specifications (Cont'd)15.1 Switched Access Service (Cont'd)15.1.1 Local Transport Interface Groups (Cont'd)(F) Available Premises Interface Codes (Cont'd)

Interface Group	Telephone Company Switch Supervisory Signaling	Premises Interface Code	Feature Group			
			A	B	C	D
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
	SS7	4DS9-15			X	X
7	LO, GO	4DS9-31	X			
	LO, GO	4DS9-31L	X			
	RV, EA, EB, EC	4DS9-31		X	X	X
	RV, EA, EB, EC	4DS9-31L		X	X	X
	SS7	4DS9-31			X	X
8	LO, GO	4DS0-63	X			
	LO, GO	4DS0-63L	X			
	RV, EA, EB, EC	4DS0-63		X	X	X
	RV, EA, EB, EC	4DS0-63L		X	X	X
	SS7	4DS0-63			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
	SS7	4DS6-44			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
	SS7	4DS6-27			X	X

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15. Access Service Interfaces and Transmission Specifications (Cont'd)15.1 Switched Access Service (Cont'd)15.1.2 Standard Transmission Specifications

Descriptions of the transmission specifications available with each Feature Group as a function of the Interface Group selected by the customer, are set forth in (A) through (D) following. Descriptions of each of these Standard Transmission Specifications and the two Data Transmission Parameters mentioned are set forth respectively in (E) through (G) and 15.1.3(A) and (B) following:

(A) Feature Group A

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.

(B) Feature Group B

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 an 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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15. Access Service Interfaces and Transmission Specifications (Cont'd)15.1 Switched Access Service (Cont'd)15.1.2 Standard Transmission Specifications (Cont'd)(C) Feature Group C

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 an access tandem only Type B is provided.
- Type B or Type C is provided on the transmission path from the 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 an access tandem.

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

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15. Access Service Interfaces and Transmission Specifications (Cont'd)15.1 Switched Access Service (Cont'd)15.1.2 Standard Transmission Specifications (Cont'd)(D) Feature Group D

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

- When routed to the end office either Type B or C is provided.
- When routed to an access tandem only Type A is provided.
- Type A is provided on the transmission path from the 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 DB Data Transmission Parameters are provided with FGD for the transmission path between the customer designated premises and the end office when directly routed to the end office. Type DA Data Transmission Parameters are provided for the transmission path between the customer designated premises and the access tandem and between the access tandem and the end office when routed via an access tandem.

(E) 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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15. Access Service Interfaces and Transmission Specifications (Cont'd)15.1 Switched Access Service (Cont'd)15.1.2 Standard Transmission Specifications (Cont'd)(E) 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 at 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 dBmO holding tone, is less than or equal to 45 dBrnCO.

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15. Access Service Interfaces and Transmission Specifications (Cont'd)15.1 Switched Access Service (Cont'd)15.1.2 Standard Transmission Specifications (Cont'd)(E) Type A Transmission Specifications (Cont'd)(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:

	<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

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15. Access Service Interfaces and Transmission Specifications (Cont'd)15.1 Switched Access Service (Cont'd)15.1.2 Standard Transmission Specifications (Cont'd)(F) Type B Transmission Specifications

Type B Transmission Specifications are 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 in the 404 to 2804 Hz frequency band relative to loss at 1004 Hz is -2.0 dB to +4.0 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>	
	<u>Type B1</u>	<u>Type B2</u>
less than 50	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 dBm0 holding tone is less than or equal to 47 dBrnCO.

* For Feature Groups C and D only Type B2 will be provided. For Feature Groups A and B, Type B1 or B2 will be provided as set forth in Technical Reference GR-334-CORE.

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Echo Control, identified as Impedance Balance for FGA and FGB and Equal Level Echo Path Loss for FGC and FGD, 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 Feature Group, type of termination, and type of transmission path. They are greater than or equal to the following:

	<u>Echo Return Loss</u>	<u>Singing Return Loss</u>
POT to Access Tandem		
- Terminated in 4-Wire trunk	21 dB	14 dB
- Terminated in 2-Wire trunk	16 dB	11 dB
POT to End Office		
- Direct	16 dB	11 dB
- Via Access Tandem		
. For FGB access	8 dB	4 dB
. For FGC access (Effective 4-Wire trans- mission path at end office)	16 dB	11 dB
. For FGC access (Effective 2-Wire trans- mission path at end office)	13 dB	6 dB

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15. Access Service Interfaces and Transmission Specifications (Cont'd)15.1 Switched Access Service (Cont'd)15.1.2 Standard Transmission Specifications (Cont'd)(F) Type B Transmission Specifications (Cont'd)(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

(G) Type C Transmission Specifications

Type C Transmission Specifications are 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 C1</u>	<u>Type C2</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 dBm0 holding tone is less than or equal to 47 dBrnCO.

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15. Access Service Interfaces and Transmission Specifications (Cont'd)15.1 Switched Access Service (Cont'd)15.1.2 Standard Transmission Specifications (Cont'd)(G) 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 only)	8 dB	4 dB

15.1.3 Data Transmission Parameters

Two types of Data Transmission Parameters, i.e., Type DA and Type DB, are provided for the Feature Group arrangements. Type DB is provided with Feature Groups A, B and C and also with Feature Group D when Feature Group D is directly routed to the end office. Type DA is only provided with Feature Group D and only when routed via an access tandem. Following are descriptions of each.

(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.

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15. Access Service Interfaces and Transmission Specifications (Cont'd)15.1 Switched Access Service (Cont'd)15.1.3 Data Transmission Parameters (Cont'd)(A) Data Transmission Parameters Type DA (Cont'd)(2) Envelope Delay Distortion

The maximum Envelope Delay Distortion for the frequency bands and route miles specified is:

604 to 2804 Hz

less than 50 route miles	500 microseconds
equal to or greater than 50 route miles	900 microseconds

1004 to 2404 Hz

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 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)	33 dB
Third Order (R3)	37 dB

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15. Access Service Interfaces and Transmission Specifications (Cont'd)15.1 Switched Access Service (Cont'd)15.1.3 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.

(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:

604 to 2804 Hz

less than 50 route miles	800 microseconds
equal to or greater than 50 route miles	1000 microseconds

1004 to 2404 Hz

less than 50 route miles	320 microseconds
equal to or greater than 50 route miles	500 microseconds

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15. Access Service Interfaces and Transmission Specifications (Cont'd)15.1 Switched Access Service (Cont'd)15.1.3 Data Transmission Parameters (Cont'd)(B) Data Transmission Parameters Type DB (Cont'd)(3) Impulse Noise Counts

The Impulse Noise Counts exceeding a 67 dBrnCO 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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15. Access Service Interfaces and Transmission Specifications (Cont'd)15.2 Special Access Service

For Special Access Service, only Non-Competitive End-User Channel Terminations 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.

This section explains and lists the codes that the customer must specify when ordering Special Access Service. Switched Access, Entrance Facilities, and Voice Grade and High Capacity Direct Trunked Transport. These codes provide a standardized means to relate the services being ordered to Special Access Service offerings contained in Section 7 preceding and/or can be accessed at the Company's website or Company's other designated location.

When ordering, the type of Special Access Service or Switched Access Entrance Facility or Direct Trunked Transport is described by two code sets, the Network Channel (NC) code and the Network Channel Interface (NCI) codes.

The Network Channel (NC) code consists of two elements. Element one is a Channel Service Code (character positions 1 and 2) that describes the channel service type in an abbreviated form. Element two is an Optional Feature Code (character positions 3 and 4) that identifies option codes available for each channel service code, such as C-Conditioning or Improved Return Loss.

The Network Channel Interface (NCI) is used to identify interface specifications associated with a particular channel. This code describes the total wires, protocol, impedance, protocol options and transmission level point(s) reflecting physical and electrical characteristics between the Company and the customer.

On the following pages are examples which explain the specific characters of the codes and which reference matrices and charts used in developing the codes. Included in the matrices are Service Designator (SD) codes which are used to identify variations of service within service types. The SD and NC codes are displayed as components of the matrices designated as Technical Specifications packages in (C), (D) and (F) and (G) following. Through the use of these matrices, SD codes may be converted to NC codes for service ordering purposes.

A chart is also provided in 15.2.2(A) following which contains information necessary to develop NCI codes.

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15. Access Service Interfaces and Transmission Specifications (Cont'd)15.2 Special Access Service (Cont'd)

Comprehensive lists of allowed Network Channel (NC) and Network Channel Interface (NCI) codes are contained in Special Report (x) SR-ST5-000307. However, not all services contained in this Special (x) Report may be offered by the Telephone Company at this time.

Lastly, 15.2.2(C) following provides a list of compatible Network Channel Interfaces inasmuch as the Network Channel Interfaces associated with a given service need not always be the same, but all must be compatible.

Example No. 1: If the customer wishes to order a 4-wire voice grade circuit with 600 Ohms impedance, capable of data transmission, and with improved return loss, the customer might specify the following:

<u>NC</u>	<u>NCI</u>	<u>SECNCI</u>
LG-R	04DB2	04DA2-S

NC Code:

LG = Voice Grade Channel Service, VG6

-R = Improved Return Loss

NCI Code:

04 = Number of physical wires at CDP

DB = Data stream in VF frequency band at the customer
designated main terminal location

2 = 600 Ohms impedance

SECNCI (Secondary NCI Code):

04 = Number of physical wires at CDP

DA = Data stream in VG frequency at the customer designated
secondary terminal location

2 = 600 Ohms impedance

S = Sealing current option for 4-wire transmission

In the above example the NCI (Network Channel Interface) code is the interface requested at the customer's POT (Point of Termination) and the SECNCI (Secondary Network Channel Interface) code represents the interface at the end office serving the End User.

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15. Access Service Interfaces and Transmission Specifications (Cont'd)15.2 Special Access Service (Cont'd)

Example No. 2: If the customer wishes to order a FX circuit to a station, with 600 Ohms impedance, loop start signaling, which is 4-wire at the CDP and 2-wire at the end-user, the customer might specify:

<u>NC</u>	<u>NCI</u>	<u>SECNCI</u>
LC--	04LO2	02LS2

NC Code:

LC = Voice Grade Channel Service, VG2
-- = No Optional Features

NCI Code:

04 = Number of physical wires at CDP
LO = Loop start, loop signaling - open end
2 = 600 Ohms impedance

SECNCI (Secondary NCI Code):

02 = Number of physical wires at CDP
LS = Loop start signaling - closed end
2 = 600 Ohms impedance

Example No. 3: If the customer wishes to order a 1.544 Mbps Hi-Cap facility with no channel options, the customer might specify the following:

<u>NC</u>	<u>NCI</u>	<u>SECNCI</u>
HC--	04DS9-15	04DS9-15

NC Code:

HC = High Capacity Channel Service, HC1
-- = No Optional Features

NCI, SECNCI Code:

04 = Number of physical wires at CDP
DS = Digital hierarchy interface
9 = 100 Ohms impedance
15 = 1.544 Mbps (DS1) format

The preceding three examples use information contained in Telcordia Technologies Inc.'s NC/NCI Decoder.

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15. Access Service Interfaces and Transmission Specifications (Cont'd)15.2 Special Access Service (Cont'd)15.2.1 Network Channel (NC) Codes

In order to determine the NC code appropriate for the service to be ordered, the type of Special Access Service the customer wishes must be identified. This identification is accomplished by a Service Designator (SD) code. The broad categories of Service Designator codes (e.g., VG, etc.) are set forth in Section 7 preceding. Variations within service type (e.g., VG1, etc.) are described in the various Technical Publications cited in (C), (D) and (F) and (G) following.

Having determined the specific service type to be ordered and its SD code, and having used the appropriate Technical Publication, the customer should match the SD code to the NC code using the following matrices. Once the NC code has been determined, the Network Channel Interface (NCI) code may be developed using the information set forth in 15.2.2 following and the guidelines concerning specific parameters available for each service type as set forth in the specified Technical Publication.

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15. Access Service Interfaces and Transmission Specifications (Cont'd)15.2 Special Access Service (Cont'd)15.2.1 Network Channel (NC) Codes (Cont'd)(C) Technical Specifications Packages Voice Grade Service

SD Code NC Code	Package													
	C*	1	2	3	4	5	6	7	8	9	10	11	12	W
	<u>LQ</u>	<u>LB</u>	<u>LC</u>	<u>LD</u>	<u>LE</u>	<u>LF</u>	<u>LG</u>	<u>LH</u>	<u>LJ</u>	<u>LK</u>	<u>LN</u>	<u>LP</u>	<u>LR</u>	<u>SE</u>
Parameter														
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
Envelope Delay														
Distortion	X						X	X	X	X	X	X	X	X
Frequency														
Shift	X						X	X	X	X	X	X	X	X
Impulse Noise	X					X	X	X	X	X	X	X	X	X
Intermodulation														
Distortion	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
Signal-to-C														
Message Noise						X								
Signal-to-C														
Notch Noise	X				X		X	X	X	X	X	X	X	X

The technical specifications for these parameters (except for dropouts, phase hits, and gain hits) are described in Technical References GR-334-CORE and TR-NWT-000335. The technical specifications for dropouts, phase hits, and gain hits are described in Technical Reference PUB 41004 (MDP-326-584), Table 4.

* The desired parameters are selected by the customer from the list of available parameters.

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15. Access Service Interfaces and Transmission Specifications (Cont'd)15.2 Special Access Service (Cont'd)15.2.1 Network Channel (NC) Codes (Cont'd)(C) Technical Specifications Packages Voice Grade Service (Cont'd)

	SD Code NC Code	C* <u>LQ</u>	Package													W <u>SE</u>
			1 <u>LB</u>	2 <u>LC</u>	3 <u>LD</u>	4 <u>LE</u>	5 <u>LF</u>	6 <u>LG</u>	7 <u>LH</u>	8 <u>LJ</u>	9 <u>LK</u>	10 <u>LN</u>	11 <u>LP</u>	12 <u>LR</u>		
<u>Optional Features and Functions</u>																
Central Office Bridging Capability	X		X				X	X				X	X	X		
Conditioning:																
. C-Type	X						X	X	X	X	X	X				
. Improved Attenuation Distortion	X						X	X	X	X	X	X				
. Improved Envelope Delay Distortion	X						X	X	X	X	X	X				
. Sealing Current	X							X								
. Data Capability	X							X	X			X				
. Telephoto Capability	X												X			
Customer Specified Premises Receive Level	X		X	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		
For Effective Two-Wire Transmission	X		X	X					X							
Improved Two-Wire Voice Transmission															X	
PPSN Interface Arrangement	X										X					
Selective Signaling Arrangement	X		X				X	X				X	X	X		
Signaling Capability Transfer	X		X	X	X				X	X	X					
Arrangement	X		X	X	X	X	X	X	X	X	X	X	X	X		

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15. Access Service Interfaces and Transmission Specifications (Cont'd)15.2 Special Access Service (Cont'd)15.2.1 Network Channel (NC) Codes (Cont'd)(D) Technical Specifications Packages Program Audio Service

SD Code NC Code	Package				
	<u>APC*</u> <u>PQ</u>	<u>AP1</u> <u>PE</u>	<u>AP2</u> <u>PF</u>	<u>AP3</u> <u>PJ</u>	<u>AP4</u> <u>PK</u>
<u>Parameter</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
Phrase Tracking	X				
Short-Term Gain					
Stability	X				
Short-Term Loss	X				
Total Distortion	X	X	X	X	X
Optional Features and Functions					
Central Office Bridging					
Capability	X	X	X	X	X
Gain Conditioning	X	X	X	X	X
Stereo	X				X

The technical specifications are described in Technical Reference GR-337-CORE and associated Addendum.

* The desired parameters are selected by the customer from the list of available parameters.

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15. Access Service Interfaces and Transmission Specifications (Cont'd)15.2 Special Access Service (Cont'd)15.2.1 Network Channel (NC) Codes (Cont'd)(F) Technical Specifications Packages Digital Data Service

SD Code NC Code	Package					
	<u>D1</u> <u>XA</u>	<u>D2</u> <u>XB</u>	<u>D3</u> <u>XG</u>	<u>D4</u> <u>XH</u>	<u>D5</u> <u>XE</u>	<u>D6</u> <u>YN</u>
<u>Parameter/Hubbed</u>						
Error-Free Seconds	X	X	X	X	X	X
<u>Optional Features and Functions/Hubbed</u>						
Central Office Bridging Capability	X	X	X	X	X	X
PPSN Interface Transfer Arrangement	X	X	X	X	X	X
Transfer Arrangement	X	X	X	X	X	X

The Company will provide a channel capable of meeting a monthly average performance equal to or greater than 99.875% error-free seconds (if provided through a Digital Data hub) while the channel 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 (MDP-326-726).

Optional Features and Functions/Non-Hubbed

Voltages which are compatible with Digital Data Service are delineated in Technical Reference TR-NWT-000341.

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15. Access Service Interfaces and Transmission Specifications (Cont'd)15.2 Special Access Service (Cont'd)15.2.1 Network Channel (NC) Codes (Cont'd)(G) Technical Specifications Packages High Capacity Service

SD Code NC Code	Package					
	<u>HC0</u> <u>HS</u>	<u>HC1</u> <u>HC</u>	<u>HC1C</u> <u>HD</u>	<u>HC2</u> <u>HE</u>	<u>HC3</u> <u>HF</u>	<u>HC4</u> <u>HG</u>
<u>Parameters</u>						
Error-Free Seconds		X				
<u>Optional Features and Functions</u>						
Automatic Loop Transfer		X				
DS0 to Subrate*	X					
Transfer Arrangement		X				
Clear Channel Capability		X				

A channel 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 GR-334-CORE.

15.2.2 Network Channel Interface (NCI) Codes

The electrical interface with the Telephone Company for Special Access Services, is defined by an interface code. There are interface codes for both the customer designated premises and the point of termination. Three examples of NCI codes are found in 15.2 preceding.

* Available only on a channel of 1.544 Mbps facility to a Company Hub.

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15. Access Service Interfaces and Transmission Specifications (Cont'd)15.2 Special Access Service (Cont'd)15.2.2 Network Channel Interface (NCI) Codes (Cont'd)(A) Parameter Codes and OptionsParameter

<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
CS	-	digital hierarchy interface at Digital Cross Connect System (DCS)
	- 15	1.544 Mbps (DS1) ANSI Extended Superframe (ESF) Format and B8ZS Clear Channel Capability
	- 15A	1.544 Mbps (DS1) Superframe (SF) format
	- 15B	1.544 Mbps (DS1) Superframe (SF) format and B8ZS Clear Channel Capability
	- 15K	1.544 Mbps (DS1) Extended Superframe (ESF)
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
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

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15. Access Service Interfaces and Transmission Specifications (Cont'd)15.2 Special Access Service (Cont'd)15.2.2 Network Channel Interface (NCI) Codes (Cont'd)(A) Parameter Codes and Options (Cont'd)Parameter (Cont'd)

<u>Code</u>	<u>Option</u>	<u>Definition</u>
DS	-	digital hierarchy interface
	- 15	1.544 Mbps (DS1) format per PUB 62411 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 62411
	- 15K	1.544 Mbps format per PUB 62411 plus extended framing format
	- 15L	1.544 Mbps (DS1) 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
	- 24	2.4 kbps
	- 48	4.8 kbps
	- 19	19.2 kbps
	- 56	56.0 kbps
	- 96	9.6 kbps
	- 64	64.0 kbps
	- A	1.544 Mbps format per GR-342-CORE
	- B	1.544 Mbps format per GR-342-CORE plus D4
	- C	1.544 Mbps format per GR-342-CORE plus extended framing format
	- 1KN	1.544 Mbps ANSI Extended Superframe (ESF) Format without line power
	- 1SN	1.544 Mbps ANSI Extended Superframe (ESF) Format with B8ZS Clear Channel Capability and without line power
	- AN	1.544 Mbps free-framing format without line power (only avail. to U.S. Govt. agencies)
	- BN	1.544 Mbps Superframe (SF) Format without line power
	- DN	1.544 Mbps Superframe (SF) Format with B8ZS Clear Channel Capability without line power

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15. Access Service Interfaces and Transmission Specifications (Cont'd)15.2 Special Access Service (Cont'd)15.2.2 Network Channel Interface (NCI) Codes (Cont'd)(A) Parameter Codes and Options (Cont'd)Parameter (Cont'd)

<u>Code</u>	<u>Option</u>	<u>Definition</u>
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 POT originates on M Lead.
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.
FC	-	Fiber Optic Interface
	- B	OC3, OC3c
	- D	OC12
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

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15. Access Service Interfaces and Transmission Specifications (Cont'd)15.2 Special Access Service (Cont'd)15.2.2 Network Channel Interface (NCI) Codes (Cont'd)(A) Parameter Codes and Options (Cont'd)Parameter (Cont'd)

<u>Code</u>	<u>Option</u>	<u>Definition</u>
IA	-	E.I.A. (25 pin RS-232)
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
PR	-	protective relaying*
QB	-	central office manual cross connect termination with no subrating capability
RV	- 0	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

* 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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15. Access Service Interfaces and Transmission Specifications (Cont'd)15.2 Special Access Service (Cont'd)15.2.2 Network Channel Interface (NCI) Codes (Cont'd)(B) 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
Fiber	F
Radio	R

(C) Compatible Network Channel Interfaces

The following tables show the Network Channel Interface codes (NCIs) which are compatible:

(1) Reserved For Future Use

(2) Reserved For Future Use

+ For those interface codes with a 4-wire transmission path at the customer designated 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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15. Access Service Interfaces and Transmission Specifications (Cont'd)15.2 Special Access Service (Cont'd)15.2.2 Network Channel Interface (NCI) Codes (Cont'd)(C) Compatible Network Channel Interfaces (Cont'd)

(3) Voice Grade

<u>Compatible CIs</u>		<u>Compatible CIs</u>		<u>Compatible CIs</u>	
2AB2	2AC2	2DB2	2DA2	2LR2	2LR2
2AB3	2AC2	2DB3	2DA2	2LR3	2LR2
2CT3	2DY2	2DX3	2LA2	2LS	2GS
	4DS8		2LB2		2LS
	4DX2		2LC2		4GS
	4DX3		2LO3		4LS
	4DY2		2LS2		
	4EA2-E		2LS3	2LS2	2LA2
	4EA2-M				2LB2
	4SF2	2GO2	2GS2		2LC2
	4SF3		2GS3		
	6DX2			2LS3	2LA2
	6DY2	2GO3	2GS2		2LB2
	6DY3		2GS3		2LC2
	6EA2-E				
	6EA2-M	2GS	2GS	2NO2	2DA2
	6EB2-E		2LS		2NO2
	6EB2-M		4GS		
	6EB3-E		4LS	2NO3	2NO2
	8EB2-E				2PR2
	8EB2-M	2L02	2LS2		
	8EC2		2LS3	2TF3	2TF2
	9DY2				
	9DY3	2L03	2LS2		
	9EA2		2LS3		
	9EA3				

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15. Access Service Interfaces and Transmission Specifications (Cont'd)15.2 Special Access Service (Cont'd)15.2.2 Network Channel Interface (NCI) Codes (Cont'd)(C) Compatible Network Channel Interfaces (Cont'd)

(3) Voice Grade (Cont'd)

<u>Compatible CIs</u>		<u>Compatible CIs</u>		<u>Compatible CIs</u>	
4AB2	2AC2				
	4AB2				
	4AC2				
	4SF2				
4AB3	2AC2				
	4AC2				
	4SF2				
4AC2	2AC2				
	4AC2				
4DA2	4DA2	4DS8-	2AC2	4DS8-	4DG2
			2DA2		4LR2
			2DY2		4LS2
			2GO2		4NO2
			2GO3		4PR2
4DB2	2DA2 2NO2 2PR2 4DA2 4DB2 4NO2 4PR2 6DA2		2GS2		4RV2-T
			2GS3		4SF2
			2LA2		4SF3
			2LB2		4TF2
			2LC2		6DA2
			2LO2		6DY2
			2LO3		6DY3
			2LR2		6EA2-E
4DD3	2DE2 4DE2		2LS2		6EA2-M
			2LS3		6EB2-E
			2NO2		6EB2-M
			2PR2		6GS2
			2RV2-T		6LS2
			2TF2		8EB2-E
			4AC2		8EB2-M
			4DA2		9DY2
			4DE2		9DY3
			4DX2		9EA2
			4DX3		9EA3
			4DY2		
			4EA2-E		
			4EA2-M		

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15. Access Service Interfaces and Transmission Specifications (Cont'd)15.2 Special Access Service (Cont'd)15.2.2 Network Channel Interface (NCI) Codes (Cont'd)(C) Compatible Network Channel Interfaces (Cont'd)(3) Voice Grade (Cont'd)

<u>Compatible CIs</u>		<u>Compatible CIs</u>		<u>Compatible CIs</u>	
4DX2	2DY2	4DX2	8EB2-E	4DX3	6DY2
	2LA2		8EB2-M		6DY3
	2LB2		9DY2		6EA2-E
	2LC2		9DY3		6EA2-M
	2LO3		9EA2		6EB2-E
	2LS2		9EA3		6EB2-M
	2LS3				6LS2
	2RV2-T	4DX3	2DY2		8EB2-E
	4DX2		2LA2		8EB2-M
	4DY2		2LB2		9DY2
	4EA2-E		2LC2		9DY3
	4EA2-M		2LO3		9EA2
	4LS2		2LS2		9EA3
	4RV2-T		2LS3		
	4SF2		2RV2-T	4DY2	2DY2
	4SF3		4DX2		4DY2
	6DY2		4DX3		
	6DY3		4DY2		
	6EA2-E		4EA2-E		
	6EA2-M		4EA2-M		
	6EB2-E		4LS2		
	6EB2-M		4RV2-T		
	6LS2		4SF2		
			4SF3		

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15. Access Service Interfaces and Transmission Specifications (Cont'd)15.2 Special Access Service (Cont'd)15.2.2 Network Channel Interface (NCI) Codes (Cont'd)(C) Compatible Network Channel Interfaces (Cont'd)(3) Voice Grade (Cont'd)

<u>Compatible CIs</u>		<u>Compatible CIs</u>		<u>Compatible CIs</u>	
4EA2-E	2DY2	4EA3-E	2DY2	4GO2	2GO2
	4DY2		4DY2		2GO3
	4EA2-E		4EA2-E		2GS2
	4EA2-M		4EA2-M		2GS3
	4SF2		4SF2		4GS2
	6DY2		6DY2		4SF2
	6DY3		6DY3		6GS2
	6EB2-E		6EA2-E	4GO3	2GO2
	6EB2-M		6EA2-M		
	8EB2-E		6EB2-E		2GS2
	8EB2-M		6EB2-M		2GS3
	9DY2		8EB2-E		4GS2
	9DY3		8EB2-M		4SF2
4EA2-M	2DY2		9DY2		6GS2
	4DY2		9DY3	4GS	2GS
	4EA2-M		9EA2		
	4SF2		9EA3		2LS
	6DY2				4GS
	6DY3				4LS
	6EB2-E				
	6EB2-M				
	8EB2-E				
	8EB2-M				
	9DY2				
	9DY3				

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15. Access Service Interfaces and Transmission Specifications (Cont'd)15.2 Special Access Service (Cont'd)15.2.2 Network Channel Interface (NCI) Codes (Cont'd)(C) Compatible Network Channel Interfaces (Cont'd)(3) Voice Grade (Cont'd)

Compatible CIs		Compatible CIs		Compatible CIs		
4LO2	2LS2	4LS3	2LA2	4SF2	2LO3	
	2LS3		2LB2		2LR2	
	4LS2		2LC2		2LS2	
	4SF2		2LO2		2LS3	
	6LS2		2LO3		2RV2-T	
4LO3	2LS2	4NO2	4SF2	4AC2		
	2LS3		2DA2	4DY2		
	4LS2		2DE2	4LS2		
	4SF2		2NO2	4RV2-T		
	6LS2		4DA2	4SF2		
4LR2	2LR2	4RV2-0	4DE2	6DY2		
	4LR2		4NO2	6DY3		
	4SF2		6DA2	6GS2		
	4LR3		2LR2	2RV2-T	4SF3	9DY2
			4LR2	4RV2-T		9DY3
4SF2		4SF2	2DY2			
4LS	2GS	4SF2	2AC2	2GO3		
	2LS		2DY2	2GS2		
	4GS		2GS2	2GS3		
	4LS		2GS3	2LA2		
	4LS2		2LA2	2LA2	2LB2	
2LB2		2LB2	2LC2			
2LC2		2LC2	2LO3			
2LO2			2LR2			
2LO3						

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Compatible CIs		Compatible CIs		Compatible CIs		
4SF3	2LS2	6DA	4DA2	6DY3	2DY2	
	2LS3		6DA2		4DY2	
	2RV2-T	6DX2	2DY2		6DY2	
	4DY2				6DY3	
	4EA2-E		4DY2	6EA2-E	2AC2	
	4EA2-M		4EA2-E			
	4GS2		4EA2-M		2DY2	
	4LR2				2LA2	
	4LS2		4SF2		2LB2	
	4RV2-T		6DY2		2LC2	
	4SF2		6DY3		2LO3	
	4SF3		6EA2-E		2LS2	
	6DY2		6EA2-M		2LS3	
	6DY3		6EB2-E		2RV2-T	
	6EB2-E		6EB2-M		4AC2	
	6EB2-M		8EB2-E		4DY2	
	6GS2		8EB2-M		4EA2-E	
	6LS2		9DY2		4EA2-M	
	9DY2		9DY3		4LS2	
	9DY3		9EA2		4RV2-T	
	9EA2		9EA3		4SF2	
	9EA3	6DY2	2DY2		4SF3	
4TF2	2TF2		4DY2		6DY2	
	4TF2		6DY2		6DY3	
					6EA2-E	
					6EA2-M	

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Compatible CIs		Compatible CIs		Compatible CIs	
6EA2-E	6EB2-E	6EA2-M	6DY2	6EB3-E	2DY2
	6EB2-M		6DY3		4DY2
	6LS2		6EA2-M		4EA2-E
	8EB2-E		6EB2-E		4EA2-M
	8EB2-M		6EB2-M		4SF2
	9DY2		6LS2		6DY2
	9DY3		8EB2-E		6DY3
			8EB2-M		6EA2-E
6EA2-M	2AC2		9DY2		6EA2-M
	2DY2		9DY3		8EB2-E
	2LA2				8EB2-M
	2LB2	6EB2-E	2DY2		9DY2
	2LC2		4DY2		9DY3
	2LO3		4SF2		9EA2
	2LS2		6DY2		9EA3
	2LS3		6DY3		
	2RV2-T		6EB2-E	6EX2-A	2GS2
	4AC2		6EB2-M		2GS3
	4DY2		9DY2		2LS2
	4EA2-E		9DY3		2LS3
	4EA2-M				4GS2
	4LS2	6EB2-M	2DY2		4LS2
	4RV2-T		4DY2		4SF2
	4SF2		4SF2		6GS2
	4SF3		6DY2		6LS2
			6DY3		
			6EB2-M		
			9DY2		
	9DY3				

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<u>Compatible CIs</u>		<u>Compatible CIs</u>		<u>Compatible CIs</u>	
6EX2-B	2GO3	8EB2-E	2AC2	8EB2-M	2AC2
	2LA2		2DY2		2DY2
	2LB2		2LA2		2LA2
	2LC2		2LB2		2LB2
	2LO2		2LC2		2LC2
	2LO3		2LO3		2LO3
	2LR2		2LS2		2LS2
	4LR2		2LS3		2LS3
	4SF2		2RV2-T		2RV2-T
			4AC2		4AC2
6GO2	2GO2		4DY2		4DY2
	2GS2		4LS2		4LS2
	2GS3		4RV2-T		4RV2-T
	4GS2		4SF2		4SF2
	4SF2		4SF3		4SF3
	6GS2		6DY2		6DY2
6LO2	2LS2		6DY3		6DY3
	2LS3		6EB2-E		6EB2-E
	4LS2		6EB2-M		6EB2-M
	4SF2		6LS2		6LS2
	6LS2		8EB2-E		8EB2-M
6LS2			8EB2-M		9DY2
			9DY2		9DY3
			9DY3		
	2LA2				
	2LB2				
	2LC2				
	2LO2				
	2LO3				
	4SF2				

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15. Access Service Interfaces and Transmission Specifications (Cont'd)15.2 Special Access Service (Cont'd)15.2.2 Network Channel Interface (NCI) Codes (Cont'd)(C) Compatible Network Channel Interfaces (Cont'd)(3) Voice Grade (Cont'd)

<u>Compatible CIs</u>		<u>Compatible CIs</u>		<u>Compatible CIs</u>	
8EC2	2DY2	9DY2	2DY2	9EA3	2DY2
	4DY2		4DY2		4DY2
	4EA2-E		6DY2		4EA2-E
	4EA2-M		6DY3		4EA2-M
	4SF2		9DY2		6DY2
	6DY2				6DY3
	6DY3	9DY3	2DY2		6EA2-E
	6EA2-E		4DY2		6EA2-M
	6EA2-M		6DY2		6EB2-E
	6EB2-E		6DY3		6EB2-M
	6EB2-M		9DY2		8EB2-E
	8EB2-E		9DY3		8EB2-M
	8EB2-M				9DY2
	9DY2	9EA2	2DY2		9DY3
	9DY3		4DY2		9EA3
	9EA2		4EA2-E		
	9EA3		4EA2-M		
			6DY2		
			6DY3		
			6EA2-E		
			6EA2-M		
			6EB2-E		
			6EB2-M		
			8EB2-E		
			8EB2-M		
			9DY2		
			9DY3		
			9EA2		
			9EA3		

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15. Access Service Interfaces and Transmission Specifications (Cont'd)15.2 Special Access Service (Cont'd)15.2.2 Network Channel Interface (NCI) Codes (Cont'd)(C) Compatible Network Channel Interfaces (Cont'd)(4) Program Audio

<u>Compatible CIs</u>		<u>Compatible CIs</u>	
2PG2-1	2PG1-1	4DS8-15E	2PG1-3
	2PG2-1		2PG2-3
2PG2-3	2PG1-3	4DS8-15F	2PG1-5
	2PG2-3		2PG2-5
2PG2-5	2PG1-5	4DS8-15G	2PG1-8
	2PG2-5		2PG2-8
2PG2-8	2PG1-8	4DA8-15H	2PG1-1
	2PG2-8		2PG2-1

(5) Reserved for Future Use(6) Digital Data

<u>Compatible CIs</u>		<u>Compatible CIs</u>		<u>Compatible CIs</u>	
4DS8-15	4DS8-15+	4DU5-24	4DU5-24	6DU5-24	6DU5-24
	4DU5-24				
	4DU5-48	4DU5-48	4DU5-48	6DU5-48	6DU5-48
	4DU5-56				
	4DU5-96	4DU5-96	4DU5-96	6DU5-56	6DU5-56
	6DU5-24				
	6DU5-48	4DU8-56	4DU5-56	6DU5-96	6DU5-96
	6DU5-96				

+ Available only as a cross connect of two digital channels at appropriate digital speeds at a Telephone Company hub.

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15. Access Service Interfaces and Transmission Specifications (Cont'd)15.2 Special Access Service (Cont'd)15.2.2 Network Channel Interface (NCI) Codes (Cont'd)(C) Compatible Network Channel Interfaces (Cont'd)(7) High Capacity

<u>Compatible CIs</u>		<u>Compatible CIs</u>	
4DS0-63	4DS0-63 4DU8-A,B, or C 6DU8-A,B, or C	4DS8-15J	4DU8-A 6DU8-A
4DS6-27	4DS6-27 4DU8-A,B, or C 6DU8-A,B, or C	4DS8-15K	4DU8-B 4DU8-C 6DU8-B 6DU8-C
4DS6-44	4DS6-44 4DU8-A,B, or C 6DU8-A,B, or C	4DS8-31	4DS8-31 4DU8-A,B, or C 6DU8-A,B, or C
4DS8-15	4DS8-15+ 4DU8-B 6DU8-8	4DU8-A,B or C	4DU8-A,B, or C

(8) Reserved For Future Use

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15. Access Service Interfaces and Transmission Specifications (Cont'd)15.3 Directory Access Service15.3.1 Interface Group and Premise Interface Codes

When Directory Access Service is combined with Feature Group B, C or D Switched Access Service, the Premises Interface Code for the combination will be the available Premises Interface Code provided for the Feature Group B, C or D Switched Access Service ordered by the customer. Premises Interface Codes are described in 15.1.1(F) preceding.

When Directory Access Service is provided as a separate trunk group (not in combination with Switched Access Service) Interface Groups 2 through 10 as set forth in 15.1.1 preceding are available. Only the following Premises Interface Codes are available when Directory Access Service is provided as a separate trunk group:

4DS9-15	6EA2-E	4RV2-0
4DS9-31	6EA2-M	4AH5-B
4DS0-63	4SF3	4AH6-C
4DS6-44		4AH6-D
4DS6-27		

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15. Access Service Interfaces and Transmission Specifications (Cont'd)15.3 Directory Access Service (Cont'd)15.3.2 Standard Transmission Specifications

Following is a matrix illustrating the transmission specifications available with Directory Access Service. Descriptions of the Standard Transmission Specifications, Type A and B, are set forth respectively in 15.1.2(E) and (F) preceding.

<u>Directory Access Service Provided in Combination with Switched Access Service</u>	<u>Transmission Specifications</u>	
	<u>Type A</u>	<u>Type B</u>
- Feature Group B (Interface Groups 2 through 10)		X
- Feature Group C		X
- Feature Group D	X	
<u>Directory Access Service Not Combined with Switched Access Service</u>		
- Routed Direct to DA location (Interface Groups 2 through 10)		X
- Routed via an access tandem (Interface Groups 2 through 10)	X	

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17. Rates and Charges17.1 Common Line Access Service, Access Recovery Charge, Federal Universal Service Charge, ISDN Line Ports and DS1 Line Port17.1.1 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	28.9%

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

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

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

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ACCESS SERVICE

17. Rates and Charges (Cont'd)17.1 Common Line Access Service, Federal Universal Service Charge, ISDN Line Ports and DS1 Line Port (Cont'd)17.1.3 End User Access Service - Rates for Access Recovery Charge (ARC)

A. The rates for the ARC, where applicable, are provided below.

STATE	EXCHANGE	MONTHLY RATES (Per Line or Trunk)		
		Residence	Business	
		Primary, Non-Primary ^[1]	Single Line ISDN BRI	Multi-Line Centrex ^[2] ISDN BRI
ARKANSAS	Seligman, MO; Jacket, MO	\$ 0.46	\$ 2.50	\$ 3.00
	Watts, OK	2.50		
	Colcord, OK, W. Maysville, OK	0.62		
	All other exchanges	0.00		
INDIANA	All Exchanges	0.00		
LOUISIANA	Vivian, TX	0.74		
	All other exchanges	0.00		
MICHIGAN	All Exchanges	0.00		
MISSISSIPPI	All Exchanges	0.00		
TENNESSEE	All Exchanges	0.00		
TEXAS	All Exchanges	2.50		
WISCONSIN	Cloverton, MN; West Danbury, MN	0.00		
	All other exchanges	0.00		

B. Reserved

^[1] The ARC Charge does not apply to customers purchasing Brightspeed's Pure Broadband Bundle.

^[2] Centrex customers that have a Dedicated Centrex Common Block are exempt from the ARC charge.

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17. Rates and Charges (Cont'd)17.1 Common Line Access Service, Federal Universal Service Charge, ISDN Line Ports and DS1 Line Port (Cont'd)17.1.4 ISDN Line Ports Monthly Rate

(A) ISDN BRI Line Port	
- per arrangement	\$ 2.23
(B) ISDN PRI Line Port	
- per arrangement	23.51

17.1.5 DS1 Line Ports

(A) DS1 Line Port	
- per DS1 (1.544 Mbps) channel service	23.51

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17. Rates and Charges (Cont'd)17.2 Switched Access Service

17.2.1 <u>Nonrecurring Charges</u>	<u>Rate</u>	<u>Tariff Section Reference</u>
(A) <u>Local Transport – Installation Per Entrance Facility</u>		
- Voice Grade Two-Wire	\$325.00	
- Voice Grade Four-Wire	325.00	
- High Capacity DS1	378.00	
- High Capacity DS3	442.00	
(B) <u>Interim NXX Translation Per Order</u> ^[1]		
Per LATA or Market Area	48.50	6.4.1(B)(2)
(C) <u>FGC and FGD Conversion of Multifrequency Address Signaling to SS7 Signaling or SS7 Signaling to Multifrequency Address Signaling</u> ⁽²⁾		
- Per 24 Trunks Converted or Fraction thereof on a Per Order Basis	183.00	6.4.1(B)(3)
(D) <u>Trunk Activation</u> ^[1]	<u>Per Order</u>	
- Per 24 Trunks Activated or Fraction thereof, on a Per Order Basis	176.50	6.4.1(B)(1)
(E) <u>Flexible Automatic Number Identification (Flex ANI)</u>		
- Per End Office, Per CIC	ICB	6.9.1(AA)

^[1] This flat rated charge was calculated based upon a 50/50 split between originating and terminating elements. 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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17. Rates and Charges (Cont'd)17.2 Switched Access Service (Cont'd)17.2.2 Local Transport

Tariff Section Reference – 6.1.3(A)(1)

Entrance Facility, Per Termination				
Company	Monthly Rates			
	Voice Grade 2-Wire	Voice Grade 4-Wire	High Capacity DS1	High Capacity DS3
CENTURYLINK OF LOUISIANA, LLC	\$0.54	\$0.81	\$9.06	\$258.08
CENTURYTEL OF ADAMSVILLE, INC.	18.30	27.37	36.45	797.36
CENTURYTEL OF ARKANSAS, INC.	14.54	23.27	26.84	694.89
CENTURYTEL OF CENTRAL ARKANSAS, LLC	10.98	17.56	20.26	524.43
CENTURYTEL OF CENTRAL INDIANA, INC.	17.53	26.22	34.91	763.69
CENTURYTEL OF CLAIBORNE, INC.	6.35	9.50	12.65	276.65
CENTURYTEL OF FAIRWATER-BRANDON-ALTO, LLC	7.28	10.89	14.49	317.12
CENTURYTEL OF FORESTVILLE, LLC	4.77	7.13	9.49	207.66
CENTURYTEL OF LAKE DALLAS, INC.	4.35	6.51	8.67	189.71
CENTURYTEL OF LARSEN-READFIELD, LLC	3.59	5.36	7.14	156.24
CENTURYTEL OF MOUNTAIN HOME, INC.	7.20	10.78	14.35	313.88
CENTURYTEL OF NORTH MISSISSIPPI, INC.	5.64	8.44	11.24	245.81
CENTURYTEL OF NORTHERN MICHIGAN, INC.	6.92	10.35	13.78	301.43
CENTURYTEL OF NORTHERN WISCONSIN, LLC	3.42	5.12	6.82	149.20

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17. Rates and Charges (Cont'd)17.2 Switched Access Service (Cont'd)17.2.2 Local Transport (Cont'd)

Tariff Section Reference– 6.1.3(A)(1)

Entrance Facility, Per Termination (Cont'd)				
Company	Monthly Rates			
	Voice Grade 2- Wire	Voice Grade 4- Wire	High Capacity DS1	High Capacity DS3
CENTURYTEL OF NORTHWEST ARKANSAS, LLC- RUSSELLVILLE	\$ 9.83	\$15.73	\$18.15	\$469.87
CENTURYTEL OF NORTHWEST ARKANSAS, LLC- SILOAM SPRINGS	11.79	18.86	21.76	563.31
CENTURYTEL OF NORTHWEST WISCONSIN, LLC	9.95	14.89	19.82	433.62
CENTURYTEL OF ODON, INC.	17.48	26.14	34.80	761.43
CENTURYTEL OF OOLTEWAH-COLLEGE DALE, INC.	15.02	22.46	29.91	654.38
CENTURYTEL OF PORT ARANSAS, INC.	3.85	5.76	7.67	167.76
CENTURYTEL OF REDFIELD, INC.	13.33	19.94	26.56	580.97
CENTURYTEL OF SOUTH ARKANSAS, INC.	36.82	58.91	67.95	1,759.17
CENTURYTEL OF SOUTHERN WISCONSIN, LLC	4.75	7.11	9.47	207.09
CENTURYTEL OF UPPER MICHIGAN, INC.	14.07	21.04	28.02	613.00
CENTURYTEL OF MIDWEST WISCONSIN (WAYSIDE)	40.72	65.15	198.50	1,812.49

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17. Rates and Charges (Cont'd)17.2 Switched Access Service (Cont'd)17.2.2 Local Transport (Cont'd)

Tariff Section Reference Direct Trunked Transport - 6.1.3(A)(2)

Direct Trunked Facility, Per Mile				
Company	Monthly Rates			
	Voice Grade 2-Wire	Voice Grade 4-Wire	High Capacity DS1	High Capacity DS3
CENTURYLINK OF LOUISIANA, LLC.	\$0.02	\$0.02	\$0.82	\$8.05
CENTURYTEL OF ADAMSVILLE, INC.	0.08	0.08	2.30	22.81
CENTURYTEL OF ARKANSAS, INC.	1.04	1.04	5.21	45.42
CENTURYTEL OF CENTRAL ARKANSAS, LLC	0.78	0.78	3.93	34.28
CENTURYTEL OF CENTRAL INDIANA, INC.	0.07	0.07	2.20	21.85
CENTURYTEL OF CLAIBORNE, INC.	0.03	0.03	0.80	7.92
CENTURYTEL OF FAIRWATER-BRANDON-ALTO, LLC	0.03	0.03	0.91	9.07
CENTURYTEL OF FORESTVILLE, LLC	0.02	0.02	0.60	5.94
CENTURYTEL OF LAKE DALLAS, INC.	0.02	0.02	0.55	5.43
CENTURYTEL OF LARSEN-READFIELD, LLC	0.02	0.02	0.45	4.47
CENTURYTEL OF MOUNTAIN HOME, INC.	0.03	0.03	0.90	8.98
CENTURYTEL OF NORTH MISSISSIPPI, INC.	0.02	0.02	0.71	7.03
CENTURYTEL OF NORTHERN MICHIGAN, INC.	0.03	0.03	0.87	8.62

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17. Rates and Charges (Cont'd)17.2 Switched Access Service (Cont'd)17.2.2 Local Transport (Cont'd)

Direct Trunked Transport - Tariff Section Reference - 6.1.3(A)(2)

Direct Trunked Facility, Per Mile (Cont'd)				
Company	Monthly Rates			
	Voice Grade 2- Wire	Voice Grade 4- Wire	High Capacity DS1	High Capacity DS3
CENTURYTEL OF NORTHERN WISCONSIN, LLC	\$0.01	\$0.01	0.43	\$4.27
CENTURYTEL OF NORTHWEST ARKANSAS, LLC- RUSSELLVILLE	0.70	0.70	3.52	30.71
CENTURYTEL OF NORTHWEST ARKANSAS, LLC- SILOAM SPRINGS	0.84	0.84	4.22	36.82
CENTURYTEL OF NORTHWEST WISCONSIN, LLC	0.04	0.04	1.25	12.41
CENTURYTEL OF ODON, INC.	0.07	0.07	2.19	21.79
CENTURYTEL OF OOLTEWAH-COLLEGE DALE, INC.	0.06	0.06	1.88	18.72
CENTURYTEL OF PORT ARANSAS, INC.	0.92	0.92	4.63	40.31
CENTURYTEL OF REDFIELD, INC.	0.06	0.06	1.67	16.62
CENTURYTEL OF SOUTH ARKANSAS, INC.	2.62	2.62	13.19	114.98
CENTURYTEL OF SOUTHERN WISCONSIN, LLC	0.02	0.02	0.60	5.93
CENTURYTEL OF UPPER MICHIGAN, INC.	0.06	0.06	1.76	17.54
CENTURYTEL OF MIDWEST WISCONSIN (WAYSIDE)	2.90	2.90	7.27	118.47

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Direct Trunked Transport (Cont'd)

Tariff Section Reference – 6.1.3(A)(2)

Direct Trunked Termination, Per Termination				
Company	Monthly Rates			
	Voice Grade 2- Wire	Voice Grade 4- Wire	High Capacity DS1	High Capacity DS3
CENTURYLINK OF LOUISIANA, LLC	\$ 0.04	\$ 0.04	\$ 0.25	\$ 20.12
CENTURYTEL OF ADAMSVILLE, INC.	1.24	1.24	0.70	57.00
CENTURYTEL OF ARKANSAS, INC.	10.41	10.41	4.66	173.72
CENTURYTEL OF CENTRAL ARKANSAS, LLC	7.86	7.86	3.52	131.12
CENTURYTEL OF CENTRAL INDIANA, INC.	1.19	1.19	0.67	54.59
CENTURYTEL OF CLAIBORNE, INC.	0.43	0.43	0.24	19.78
CENTURYTEL OF FAIRWATER-BRANDON-ALTO, LLC	0.49	0.49	1.61	22.67
CENTURYTEL OF FORESTVILLE, LLC	0.32	0.32	1.05	14.84
CENTURYTEL OF LAKE DALLAS, INC.	0.30	0.30	0.17	13.56
CENTURYTEL OF LARSEN-READFIELD, LLC	0.24	0.24	0.15	11.17
CENTURYTEL OF MOUNTAIN HOME, INC.	0.49	0.49	0.27	22.44

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 17.2 Switched Access Service (Cont'd)
 17.2.2 Local Transport (Cont'd)

Direct Trunked Transport (Cont'd)

Tariff Section Reference – 6.1.3(A)(2)

Direct Trunked Termination, Per Termination (Cont'd)				
Company	Monthly Rates			
	Voice Grade 2- Wire	Voice Grade 4- Wire	High Capacity DS1	High Capacity DS3
CENTURYTEL OF NORTH MISSISSIPPI, INC.	\$ 0.38	\$ 0.38	\$0.22	\$17.57
CENTURYTEL OF NORTHERN MICHIGAN, INC.	0.47	0.47	1.53	\$21.55
CENTURYTEL OF NORTHERN WISCONSIN, LLC	0.23	0.23	0.13	10.66
CENTURYTEL OF NORTHWEST ARKANSAS, LLC- RUSSELLVILLE	7.04	7.04	3.16	117.48
CENTURYTEL OF NORTHWEST ARKANSAS, LLC- SILOAM SPRINGS	8.44	8.44	3.79	140.84
CENTURYTEL OF NORTHWEST WISCONSIN, LLC	.67	0.67	0.38	30.99
CENTURYTEL OF ODON, INC.	1.18	1.18	3.87	54.43
CENTURYTEL OF OOLTEWAH-COLLEGE DALE, INC.	1.02	1.02	0.57	46.78
CENTURYTEL OF PORT ARANSAS, INC.	9.24	9.24	4.14	154.19
CENTURYTEL OF REDFIELD, INC.	0.90	0.90	0.48	41.53
CENTURYTEL OF SOUTH ARKANSAS, INC.	26.35	26.35	68.48	439.79
CENTURYTEL OF SOUTHERN WISCONSIN, LLC	0.32	0.32	0.17	14.80
CENTURYTEL OF UPPER MICHIGAN, INC.	0.95	0.95	0.54	43.82
CENTURYTEL OF MIDWEST WISCONSIN (WAYSIDE)	29.15	29.15	39.34	453.11

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17. Rates and Charges (Cont'd)17.2 Switched Access Service (Cont'd)17.2.2 Local Transport (Cont'd)

Multiplexing – Tariff Section Reference 6.1.3(A)(5)

Multiplexing, Per Arrangement		
Company	Monthly Rates	
	DS3 to DS1	DS1 to Voice
CENTURYLINK OF LOUISIANA, LLC	\$419.73	\$ 87.82
CENTURYTEL OF ADAMSVILLE, INC.	469.11	181.11
CENTURYTEL OF ARKANSAS, INC.	477.57	184.38
CENTURYTEL OF CENTRAL ARKANSAS, LLC	429.86	165.96
CENTURYTEL OF CENTRAL INDIANA, INC.	429.86	146.50
CENTURYTEL OF CLAIBORNE, INC.	325.06	125.50
CENTURYTEL OF FAIRWATER-BRANDON-ALTO, LLC	469.11	181.11
CENTURYTEL OF FORESTVILLE, LLC	325.06	125.50
CENTURYTEL OF LAKE DALLAS, INC.	429.86	165.96
CENTURYTEL OF LARSEN-READFIELD, LLC	275.90	106.52
CENTURYTEL OF MOUNTAIN HOME, INC.	379.46	146.50
CENTURYTEL OF NORTH MISSISSIPPI, INC.	379.46	146.50
CENTURYTEL OF NORTHERN MICHIGAN, INC.	379.46	146.50
CENTURYTEL OF NORTHERN WISCONSIN, LLC	275.90	106.52
CENTURYTEL OF NORTHWEST ARKANSAS, LLC-RUSSELLVILLE	379.46	146.50
CENTURYTEL OF NORTHWEST ARKANSAS, LLC-SILOAM SPRINGS	429.86	165.96
CENTURYTEL OF NORTHWEST WISCONSIN, LLC	429.86	165.96
CENTURYTEL OF ODON, INC.	429.86	165.96
CENTURYTEL OF OOLTEWAH-COLLEGEDALE, INC.	477.57	184.38
CENTURYTEL OF PORT ARANSAS, INC.	429.86	165.96
CENTURYTEL OF REDFIELD, INC.	429.86	165.96
CENTURYTEL OF SOUTH ARKANSAS, INC.	477.57	184.38
CENTURYTEL OF SOUTHERN WISCONSIN, LLC	275.90	106.52
CENTURYTEL OF UPPER MICHIGAN, INC.	379.46	146.50
CENTURYTEL OF MIDWEST WISCONSIN (WAYSIDE)	413.42	159.61

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17. Rates and Charges (Cont'd)17.2 Switched Access Service (Cont'd)17.2.2 Local Transport (Cont'd)Common/Shared Multiplexing

DS3 to DS1, Per Minute Rate			
Company	Originating	Terminating	
	Non-Toll Free *	3rd Party	End Office
CENTURYLINK OF LOUISIANA, LLC	\$0.000373	\$0.000373	\$0.000000
CENTURYTEL OF ADAMSVILLE, INC.	0.000373	0.000373	0.000000
CENTURYTEL OF ARKANSAS, INC.	0.000170	0.000170	0.000000
CENTURYTEL OF CENTRAL ARKANSAS, LLC	0.000424	0.000424	0.000000
CENTURYTEL OF CENTRAL INDIANA, INC.	0.000424	0.000424	0.000000
CENTURYTEL OF CLAIBORNE, INC.	0.000373	0.000373	0.000000
CENTURYTEL OF FAIRWATER-BRANDON-ALTO, LLC	0.000373	0.000373	0.000000
CENTURYTEL OF FORESTVILLE, LLC	0.000424	0.000424	0.000000
CENTURYTEL OF LAKE DALLAS, INC.	0.000361	0.000361	0.000000
CENTURYTEL OF LARSEN-READFIELD, LLC	0.000373	0.000373	0.000000
CENTURYTEL OF MOUNTAIN HOME, INC.	0.000373	0.000373	0.000000
CENTURYTEL OF NORTH MISSISSIPPI, INC.	0.000373	0.000373	0.000000
CENTURYTEL OF NORTHERN MICHIGAN, INC.	0.000373	0.000373	0.000000

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17. Rates and Charges (Cont'd)17.2 Switched Access Service (Cont'd)17.2.2 Local Transport (Cont'd)Common/Shared Multiplexing (Cont'd)

DS3 to DS1, Per Minute Rate (Cont'd)			
Company	Originating	Terminating	
	Non-Toll Free *	3rd Party	End Office
CENTURYTEL OF NORTHERN WISCONSIN, LLC	\$0.000318	\$0.000318	\$0.000000
CENTURYTEL OF NORTHWEST ARKANSAS, LLC-RUSSELLVILLE	0.000373	0.000373	0.000000
CENTURYTEL OF NORTHWEST ARKANSAS, LLC-SILOAM SPRINGS	0.000373	0.000373	0.000000
CENTURYTEL OF NORTHWEST WISCONSIN, LLC	0.000298	0.000298	0.000000
CENTURYTEL OF ODON, INC.	0.000424	0.000424	0.000000
CENTURYTEL OF OOLTEWAH-COLLEGE DALE, INC.	0.000373	0.000373	0.000000
CENTURYTEL OF PORT ARANSAS, INC.	0.000424	0.000424	0.000000
CENTURYTEL OF REDFIELD, INC.	0.000373	0.000373	0.000000
CENTURYTEL OF SOUTH ARKANSAS, INC.	0.000373	0.000373	0.000000
CENTURYTEL OF SOUTHERN WISCONSIN, LLC	0.000373	0.000373	0.000000
CENTURYTEL OF UPPER MICHIGAN, INC.	0.000361	0.000361	0.000000
CENTURYTEL OF MIDWEST WISCONSIN (WAYSIDE).	N/A	N/A	N/A

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17. Rates and Charges (Cont'd)17.2 Switched Access Service (Cont'd)17.2.2 Local Transport (Cont'd)

Customer Premises Port – Tariff Section Reference 6.1.3(A)(7)

Monthly Rates

Company	MONTHLY RATES	
	DS3 44.736 Mbps	DS1 1.544 Mbps
CENTURYLINK OF LOUISIANA, LLC	\$ 93.03	\$23.85
CENTURYTEL OF ADAMSVILLE, INC.	191.84	49.18
CENTURYTEL OF ARKANSAS, INC.	195.30	50.07
CENTURYTEL OF CENTRAL ARKANSAS, LLC	175.79	45.07
CENTURYTEL OF CENTRAL INDIANA, INC.	155.18	39.78
CENTURYTEL OF CLAIBORNE, INC.	132.93	34.08
CENTURYTEL OF FAIRWATER-BRANDON-ALTO, LLC	191.84	49.18
CENTURYTEL OF FORESTVILLE, LLC	132.93	34.08
CENTURYTEL OF LAKE DALLAS, INC.	175.79	45.07
CENTURYTEL OF LARSEN-READFIELD, LLC	112.83	28.93
CENTURYTEL OF MOUNTAIN HOME, INC.	155.18	39.78
CENTURYTEL OF NORTH MISSISSIPPI, INC.	155.18	39.78
CENTURYTEL OF NORTHERN MICHIGAN, INC.	155.18	39.78
CENTURYTEL OF NORTHERN WISCONSIN, LLC	112.83	28.93
CENTURYTEL OF NORTHWEST ARKANSAS, LLC- RUSSELLVILLE	155.18	39.78
CENTURYTEL OF NORTHWEST ARKANSAS, LLC- SILOAM SPRINGS	175.79	45.07

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17. Rates and Charges (Cont'd)17.2 Switched Access Service (Cont'd)17.2.2 Local Transport (Cont'd)

Customer Premises Port – Tariff Section Reference 6.1.3(A)(7) (Cont'd)

Monthly Rates (Cont'd)

Company	MONTHLY RATES	
	DS3 44.736 Mbps	DS1 1.544 Mbps
CENTURYTEL OF NORTHWEST WISCONSIN, LLC	\$175.79	\$45.07
CENTURYTEL OF ODON, INC.	175.79	45.07
CENTURYTEL OF OOLTEWAH-COLLEGE DALE, INC.	195.30	50.07
CENTURYTEL OF PORT ARANSAS, INC.	175.79	45.07
CENTURYTEL OF REDFIELD, INC.	175.79	45.07
CENTURYTEL OF SOUTH ARKANSAS, INC.	195.30	50.07
CENTURYTEL OF SOUTHERN WISCONSIN, LLC	112.83	28.93
CENTURYTEL OF UPPER MICHIGAN, INC.	155.18	39.78
CENTURYTEL OF MIDWEST WISCONSIN (WAYSIDE)	169.07	43.34

Nonrecurring Charges

Company	NONRECURRING CHARGES	
	DS3 44.736 Mbps	DS1 1.544 Mbps
CENTURYTEL OF MIDWEST WISCONSIN (WAYSIDE)	\$ 63.00	\$63.00
ALL OTHER COMPANIES	248.00	63.00

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17. Rates and Charges (Cont'd)17.2 Switched Access Service (Cont'd)17.2.2 Local Transport (Cont'd)Tandem Switched Transport

Tandem Switched Facility, Per Access Minute, Per Mile			
Company	Originating	Terminating	
	Non-Toll Free *	3rd Party	End Office
CENTURYLINK OF LOUISIANA. LLC	\$0.000160	\$0.000160	\$0.000000
CENTURYTEL OF ADAMSVILLE, INC.	0.000160	0.000160	0.000000
CENTURYTEL OF ARKANSAS, INC.	0.000073	0.000073	0.000000
CENTURYTEL OF CENTRAL ARKANSAS, LLC	0.000182	0.000182	0.000000
CENTURYTEL OF CENTRAL INDIANA, INC.	0.000182	0.000182	0.000000
CENTURYTEL OF CLAIBORNE, INC.	0.000160	0.000160	0.000000
CENTURYTEL OF FAIRWATER-BRANDON-ALTO, LLC	0.000160	0.000160	0.000000
CENTURYTEL OF FORESTVILLE, LLC	0.000182	0.000182	0.000000
CENTURYTEL OF LAKE DALLAS, INC.	0.000155	0.000155	0.000000
CENTURYTEL OF LARSEN-READFIELD, LLC	0.000160	0.000160	0.000000
CENTURYTEL OF MOUNTAIN HOME, INC.	0.000160	0.000160	0.000000
CENTURYTEL OF NORTH MISSISSIPPI, INC.	0.000160	0.000160	0.000000
CENTURYTEL OF NORTHERN MICHIGAN, INC.	0.000160	0.000160	0.000000
CENTURYTEL OF NORTHERN WISCONSIN, LLC	0.000137	0.000137	0.000000

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17. Rates and Charges (Cont'd)17.2 Switched Access Service (Cont'd)17.2.2 Local Transport (Cont'd)Tandem Switched Transport (Cont'd)

Tandem Switched Facility, Per Access Minute, Per Mile			
Company	Originating	Terminating	
	Non-Toll Free *	3rd Party	End Office
CENTURYTEL OF NORTHWEST ARKANSAS, LLC-RUSSELLVILLE	\$0.000160	\$0.000160	\$0.000000
CENTURYTEL OF NORTHWEST ARKANSAS, LLC-SILOAM SPRINGS	0.000160	0.000160	0.000000
CENTURYTEL OF NORTHWEST WISCONSIN, LLC	0.000128	0.000128	0.000000
CENTURYTEL OF ODON, INC.	0.000182	0.000182	0.000000
CENTURYTEL OF OOLTEWAH-COLLEGE DALE, INC.	0.000160	0.000160	0.000000
CENTURYTEL OF PORT ARANSAS, INC.	0.000182	0.000182	0.000000
CENTURYTEL OF REDFIELD, INC.	0.000160	0.000160	0.000000
CENTURYTEL OF SOUTH ARKANSAS, INC.	0.000160	0.000160	0.000000
CENTURYTEL OF SOUTHERN WISCONSIN, LLC	0.000160	0.000160	0.000000
CENTURYTEL OF UPPER MICHIGAN, INC.	0.000155	0.000155	0.000000
CENTURYTEL OF MIDWEST WISCONSIN (WAYSIDE).	0.000209	0.000209	0.000000

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17. Rates and Charges (Cont'd)17.2 Switched Access Service (Cont'd)17.2.2 Local Transport (Cont'd)Tandem Switched Transport – Tariff Section Reference 6.1.3(A)(3)Tandem Switched Termination

Tandem Switched Termination, Per Access Minute, Per Termination			
Company	Originating	Terminating	
	Non-Toll Free *	3rd Party	End Office
CENTURYLINK OF LOUISIANA. LLC	\$0.000438	\$0.000439	\$0.000000
CENTURYTEL OF ADAMSVILLE, INC.	0.000440	0.000440	0.000000
CENTURYTEL OF ARKANSAS, INC.	0.000200	0.000200	0.000000
CENTURYTEL OF CENTRAL ARKANSAS, LLC	0.000501	0.000501	0.000000
CENTURYTEL OF CENTRAL INDIANA, INC.	0.000501	0.000501	0.000000
CENTURYTEL OF CLAIBORNE, INC.	0.000440	0.000440	0.000000
CENTURYTEL OF FAIRWATER-BRANDON-ALTO, LLC	0.000439	0.000439	0.000000
CENTURYTEL OF FORESTVILLE, LLC	0.000501	0.000501	0.000000
CENTURYTEL OF LAKE DALLAS, INC.	0.000426	0.000426	0.000000
CENTURYTEL OF LARSEN-READFIELD, LLC	0.000440	0.000440	0.000000
CENTURYTEL OF MOUNTAIN HOME, INC.	0.000440	0.000440	0.000000
CENTURYTEL OF NORTH MISSISSIPPI, INC.	0.000440	0.000440	0.000000
CENTURYTEL OF NORTHERN MICHIGAN, INC.	0.000440	0.000440	0.000000
CENTURYTEL OF NORTHERN WISCONSIN, LLC	0.000376	0.000376	0.000000

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17. Rates and Charges (Cont'd)17.2 Switched Access Service (Cont'd)17.2.2 Local Transport (Cont'd)Tandem Switched Transport – Tariff Section Reference 6.1.3(A)(3) (Cont'd)Tandem Switched Termination (Cont'd)

Tandem Switched Termination, Per Access Minute, Per Termination			
Company	Originating	Terminating	
	Non-Toll Free *	3rd Party	End Office
CENTURYTEL OF NORTHWEST ARKANSAS, LLC-RUSSELLVILLE	\$0.000440	\$0.000440	\$0.000000
CENTURYTEL OF NORTHWEST ARKANSAS, LLC-SILOAM SPRINGS	0.000440	0.000440	0.000000
CENTURYTEL OF NORTHWEST WISCONSIN, LLC	0.000352	0.000352	0.000000
CENTURYTEL OF ODON, INC.	0.000500	0.000500	0.000000
CENTURYTEL OF OOLTEWAH-COLLEGEDALE, INC.	0.000440	0.000440	0.000000
CENTURYTEL OF PORT ARANSAS, INC.	0.000501	0.000501	0.000000
CENTURYTEL OF REDFIELD, INC.	0.000440	0.000440	0.000000
CENTURYTEL OF SOUTH ARKANSAS, INC.	0.000440	0.000440	0.000000
CENTURYTEL OF SOUTHERN WISCONSIN, LLC	0.000440	0.000440	0.000000
CENTURYTEL OF UPPER MICHIGAN, INC.	0.000425	0.000425	0.000000
CENTURYTEL OF MIDWEST WISCONSIN (WAYSIDE).	0.001119	0.001119	0.000000

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17. Rates and Charges (Cont'd)17.2 Switched Access Service (Cont'd)17.2.2 Local Transport (Cont'd)Tandem Switched Transport – Tariff Section Reference 6.1.3(A)(3) (Cont'd)Tandem Switching

Tandem Switching, Per Access Minute, Per Tandem			
Company	Originating	Terminating	
	Non-Toll Free *	3rd Party	End Office
CENTURYLINK OF LOUISIANA. LLC	\$0.002032	\$0.002032	\$0.000000
CENTURYTEL OF ADAMSVILLE, INC.	0.002032	0.002032	0.000000
CENTURYTEL OF ARKANSAS, INC.	0.000926	0.000926	0.000000
CENTURYTEL OF CENTRAL ARKANSAS, LLC	0.002315	0.002315	0.000000
CENTURYTEL OF CENTRAL INDIANA, INC.	0.002315	0.002315	0.000000
CENTURYTEL OF CLAIBORNE, INC.	0.002032	0.002032	0.000000
CENTURYTEL OF FAIRWATER-BRANDON-ALTO, LLC	0.002032	0.002032	0.000000
CENTURYTEL OF FORESTVILLE, LLC	0.002315	0.002315	0.000000
CENTURYTEL OF LAKE DALLAS, INC.	0.001968	0.001968	0.000000
CENTURYTEL OF LARSEN-READFIELD, LLC	0.002032	0.002032	0.000000
CENTURYTEL OF MOUNTAIN HOME, INC.	0.002032	0.002032	0.000000
CENTURYTEL OF NORTH MISSISSIPPI, INC.	0.002032	0.002032	0.000000
CENTURYTEL OF NORTHERN MICHIGAN, INC.	0.002032	0.002032	0.000000
CENTURYTEL OF NORTHERN WISCONSIN, LLC	0.001736	0.001736	0.000000

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17. Rates and Charges (Cont'd)17.2 Switched Access Service (Cont'd)17.2.2 Local Transport (Cont'd)Tandem Switched Transport – Tariff Section Reference 6.1.3(A)(3) (Cont'd)Tandem Switching (Cont'd)

Tandem Switching, Per Access Minute, Per Tandem			
Company	Originating	Terminating	
	Non-Toll Free *	3rd Party	End Office
CENTURYTEL OF NORTHWEST ARKANSAS, LLC-RUSSELLVILLE	\$0.002032	\$0.002032	\$0.000000
CENTURYTEL OF NORTHWEST ARKANSAS, LLC-SILOAM SPRINGS	0.002032	0.002032	0.000000
CENTURYTEL OF NORTHWEST WISCONSIN, LLC	0.001626	0.001626	0.000000
CENTURYTEL OF ODON, INC.	0.002315	0.002315	0.000000
CENTURYTEL OF OOLTEWAH-COLLEGEDALE, INC.	0.002032	0.002032	0.000000
CENTURYTEL OF PORT ARANSAS, INC.	0.002315	0.002315	0.000000
CENTURYTEL OF REDFIELD, INC.	0.002032	0.002032	0.000000
CENTURYTEL OF SOUTH ARKANSAS, INC.	0.002032	0.002032	0.000000
CENTURYTEL OF SOUTHERN WISCONSIN, LLC	0.002032	0.002032	0.000000
CENTURYTEL OF UPPER MICHIGAN, INC.	0.001968	0.001968	0.000000
CENTURYTEL OF MIDWEST WISCONSIN (WAYSIDE).	0.002564	0.002564	0.000000

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17. Rates and Charges (Cont'd)17.2 Switched Access Service (Cont'd)17.2.2 Local Transport (Cont'd)Tandem Switched Transport – Tariff Section Reference 6.1.3(A)(3) (Cont'd)8YY Joint Tandem Switched Transport

Rate Per Access Minute

Company	Originating Toll Free *
All Companies	\$0.001

Network Blocking Per Blocked Call ** - Tariff Section Reference 6.8.6

Company	Rate Applied to FGD Only
All Companies	\$0.00625

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** This flat rated charge was calculated based upon a 50/50 split between originating and terminating elements. 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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17. Rates and Charges (Cont'd)17.2 Switched Access Service (Cont'd)17.2.2 Local Transport (Cont'd)Tandem Switched Transport (Cont'd)(A) Common Channel Signaling Network Connection

Tariff Section Reference 6.10.3

(1) Signaling Network Access Link

Company	MONTHLY RATES			NON-RECURRING CHARGE, Signaling, Per Facility
	Signaling Mileage Facility, Per Mile	Signaling Mileage Termination, Per Termination	Signaling Entrance Facility, Per Facility	
CENTURYLINK OF LOUISIANA, LLC	\$0.02	\$0.04	\$ 0.68	\$353.00
CENTURYTEL OF ADAMSVILLE, INC.	0.08	1.24	22.88	
CENTURYTEL OF ARKANSAS, INC.	1.04	10.41	15.41	
CENTURYTEL OF CENTRAL ARKANSAS, LLC	0.78	7.86	11.63	
CENTURYTEL OF CENTRAL INDIANA, INC.	0.07	1.19	21.91	
CENTURYTEL OF ARKANSAS, INC.	1.04	10.41	15.41	
CENTURYTEL OF CENTRAL ARKANSAS, LLC	0.78	7.86	11.63	
CENTURYTEL OF CENTRAL INDIANA, INC.	0.07	1.19	21.91	
CENTURYTEL OF CLAIBORNE, INC.	0.03	0.43	7.94	
CENTURYTEL OF FAIRWATER-BRANDON-ALTO, LLC	0.03	0.49	9.10	
CENTURYTEL OF FORESTVILLE, LLC	0.02	0.32	5.96	
CENTURYTEL OF LAKE DALLAS, INC.	0.02	0.30	5.44	
CENTURYTEL OF LARSEN-READFIELD, LLC	0.02	0.24	4.48	
CENTURYTEL OF MOUNTAIN HOME, INC.	0.03	0.49	9.00	
CENTURYTEL OF NORTH MISSISSIPPI, INC.	0.02	0.38	7.05	

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17. Rates and Charges (Cont'd)17.2 Switched Access Service (Cont'd)17.2.2 Local Transport (Cont'd)Tandem Switched Transport (Cont'd)(A) Common Channel Signaling Network Connection (Cont'd)

Tariff Section Reference 6.10.3

(1) Signaling Network Access Link (Cont'd)

Company	MONTHLY RATES			NON-RECURRING CHARGE, Signaling, Per Facility
	Signaling Mileage Facility, Per Mile	Signaling Mileage Termination, Per Termination	Signaling Entrance Facility, Per Facility	
CENTURYTEL OF NORTHERN MICHIGAN, INC.	\$0.03	\$ 0.47	\$ 8.65	\$353.00
CENTURYTEL OF NORTHERN WISCONSIN, LLC	0.01	0.23	4.28	
CENTURYTEL OF NORTHWEST ARKANSAS, LLC-RUSSELLVILLE	0.70	7.04	10.42	
CENTURYTEL OF NORTHWEST ARKANSAS, LLC-SILOAM SPRINGS	0.84	8.44	12.49	
CENTURYTEL OF NORTHWEST WISCONSIN, LLC	0.04	0.67	12.44	
CENTURYTEL OF ODON, INC.	0.07	1.18	21.84	
CENTURYTEL OF OOLTEWAH-COLLEGE DALE, INC.	0.06	1.02	18.77	
CENTURYTEL OF PORT ARANSAS, INC.	0.92	9.24	4.81	
CENTURYTEL OF REDFIELD, INC.	0.06	0.90	16.67	
CENTURYTEL OF SOUTH ARKANSAS, INC.	2.62	26.35	39.02	
CENTURYTEL OF SOUTHERN WISCONSIN, LLC	0.02	0.32	5.94	
CENTURYTEL OF UPPER MICHIGAN, INC.	0.06	0.95	17.59	
CENTURYTEL OF MIDWEST WISCONSIN (WAYSIDE)	3.91	39.24	75.15	

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17. Rates and Charges (Cont'd)17.2 Switched Access Service (Cont'd)17.2.2 Local Transport (Cont'd)Tandem Switched Transport (Cont'd)(A) Common Channel Signaling Network Connection (Cont'd)

Tariff Section Reference 6.10.3

(2) STP Port, Per Port

Company	Monthly Rate
CENTURYLINK OF LOUISIANA, LLC.	\$216.73
CENTURYTEL OF ADAMSVILLE, INC.	446.94
CENTURYTEL OF ARKANSAS, INC.	455.00
CENTURYTEL OF CENTRAL ARKANSAS, LLC	409.54
CENTURYTEL OF CENTRAL INDIANA, INC.	361.53
CENTURYTEL OF CLAIBORNE, INC.	309.69
CENTURYTEL OF FAIRWATER-BRANDON-ALTO, LLC	446.94
CENTURYTEL OF FORESTVILLE, LLC	309.69
CENTURYTEL OF LAKE DALLAS, INC.	409.54
CENTURYTEL OF LARSEN-READFIELD, LLC	262.86
CENTURYTEL OF MOUNTAIN HOME, INC.	361.53
CENTURYTEL OF NORTH MISSISSIPPI, INC.	361.53
CENTURYTEL OF NORTHERN MICHIGAN, INC.	361.53
CENTURYTEL OF NORTHERN WISCONSIN, LLC	262.86
CENTURYTEL OF NORTHWEST ARKANSAS, LLC-RUSSELLVILLE	361.53
CENTURYTEL OF NORTHWEST ARKANSAS, LLC-SILOAM SPRINGS	409.54
CENTURYTEL OF NORTHWEST WISCONSIN, LLC	409.54
CENTURYTEL OF ODON, INC.	409.54
CENTURYTEL OF OOLTEWAH-COLLEGE DALE, INC.	455.00
CENTURYTEL OF PORT ARANSAS, INC.	409.54
CENTURYTEL OF REDFIELD, INC.	409.54
CENTURYTEL OF SOUTH ARKANSAS, INC.	455.00
CENTURYTEL OF SOUTHERN WISCONSIN, LLC	262.86
CENTURYTEL OF UPPER MICHIGAN, INC.	361.53
CENTURYTEL OF MIDWEST WISCONSIN (WAYSIDE)	387.25

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17. Rates and Charges (Cont'd)17.2 Switched Access Service (Cont'd)17.2.2 Local Transport (Cont'd)Tandem Switched Transport (Cont'd)(B) 800 Data Base Access Service Queries

Tariff Section Reference 6.10.3

Company	Per Query	
	Basic	Vertical Feature
CENTURYLINK OF LOUISIANA, LLC	\$0.001560	\$0.00000
CENTURYTEL OF ADAMSVILLE, INC.	0.002224	
CENTURYTEL OF ARKANSAS, INC.	0.000923	
CENTURYTEL OF CENTRAL ARKANSAS, LLC	0.002224	
CENTURYTEL OF CENTRAL INDIANA, INC.	0.002224	
CENTURYTEL OF CLAIBORNE, INC.	0.0017705	
CENTURYTEL OF FAIRWATER-BRANDON-ALTO, LLC	0.002224	
CENTURYTEL OF FORESTVILLE, LLC	0.002224	
CENTURYTEL OF LAKE DALLAS, INC.	0.002224	
CENTURYTEL OF LARSEN-READFIELD, LLC	0.002156	
CENTURYTEL OF MOUNTAIN HOME, INC.	0.0012595	
CENTURYTEL OF NORTH MISSISSIPPI, INC.	0.002224	
CENTURYTEL OF NORTHERN MICHIGAN, INC.	0.0017865	
CENTURYTEL OF NORTHERN WISCONSIN, LLC	0.0009385	
CENTURYTEL OF NORTHWEST ARKANSAS, LLC-RUSSELLVILLE	0.001799	
CENTURYTEL OF NORTHWEST ARKANSAS, LLC-SILOAM SPRINGS	0.002224	
CENTURYTEL OF NORTHWEST WISCONSIN, LLC	0.0008365	
CENTURYTEL OF ODON, INC.	0.002224	
CENTURYTEL OF OOLTEWAH-COLLEGE DALE, INC.	0.002224	
CENTURYTEL OF PORT ARANSAS, INC.	0.002224	
CENTURYTEL OF REDFIELD, INC.	0.0013095	
CENTURYTEL OF SOUTH ARKANSAS, INC.	0.0012995	
CENTURYTEL OF SOUTHERN WISCONSIN, LLC	0.0017795	
CENTURYTEL OF UPPER MICHIGAN, INC.	0.002224	
CENTURYTEL OF MIDWEST WISCONSIN (WAYSIDE)	0.001549	

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17. Rates and Charges (Cont'd)17.2 Switched Access Service (Cont'd)17.2.2 Local Transport (Cont'd)(C) Dedicated Trunk Port

Access Tandem Dedicated Trunk Port		
Company	Monthly Rate, Per Channel	
	Voice Band	DS1
CenturyTel of Upper Midwest	N/A	N/A
All Other Companies	\$16.77	\$7.89

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17. Rates and Charges (Cont'd)17.2 Switched Access Service (Cont'd)17.2.3 End Office(A) Local Switching

Company	Rate Per Access Minute		
	Originating		Terminating
	Toll-Free	Non-Toll Free	
CENTURYLINK OF LOUISIANA, LLC	\$0.000848	\$0.001696	\$0.000000
CENTURYTEL OF ADAMSVILLE, INC.	0.002123	0.004246	
CENTURYTEL OF ARKANSAS, INC.	0.0004515	0.000903	
CENTURYTEL OF CENTRAL ARKANSAS, LLC	0.001922	0.003844	
CENTURYTEL OF CENTRAL INDIANA, INC.	0.001875	0.003750	
CENTURYTEL OF CLAIBORNE, INC.	0.001235	0.002470	
CENTURYTEL OF FAIRWATER-BRANDON-ALTO, LLC	0.002065	0.004130	
CENTURYTEL OF FORESTVILLE, LLC	0.001297	0.002594	
CENTURYTEL OF LAKE DALLAS, INC.	0.0023715	0.004743	
CENTURYTEL OF LARSEN-READFIELD, LLC	0.0011115	0.002223	
CENTURYTEL OF MOUNTAIN HOME, INC.	0.000652	0.001304	
CENTURYTEL OF NORTH MISSISSIPPI, INC.	0.0016745	0.003349	
CENTURYTEL OF NORTHERN MICHIGAN, INC.	0.001093	0.002186	
CENTURYTEL OF NORTHERN WISCONSIN, LLC	0.0002225	0.000445	
CENTURYTEL OF NORTHWEST ARKANSAS, LLC-RUSSELLVILLE	0.0012395	0.002479	
CENTURYTEL OF NORTHWEST ARKANSAS, LLC-SILOAM SPRINGS	0.001780	0.003560	
CENTURYTEL OF NORTHWEST WISCONSIN, LLC	0.000192	0.000384	
CENTURYTEL OF ODON, INC.	0.002104	0.004208	
CENTURYTEL OF OOLTEWAH-COLLEGE DALE, INC.	0.0016755	0.003351	
CENTURYTEL OF PORT ARANSAS, INC.	0.001821	0.003642	
CENTURYTEL OF REDFIELD, INC.	0.000639	0.001278	
CENTURYTEL OF SOUTH ARKANSAS, INC.	0.000845	0.001690	
CENTURYTEL OF SOUTHERN WISCONSIN, LLC	0.000944	0.001888	
CENTURYTEL OF UPPER MICHIGAN, INC.	0.0015795	0.003159	
CENTURYTEL OF MIDWEST WISCONSIN (WAYSIDE)	0.0063285	0.012657	

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17. Rates and Charges (Cont'd)17.2 Switched Access Service (Cont'd)17.2.3 End Office (Cont'd)(B) Information Surcharge

Company	Rate Per 100 Access Minutes		
	Originating		Terminating
	Toll-Free	Non-Toll Free	
CenturyTel of Upper Midwest	\$0.013514	\$0.027028	\$0.000000
All Other Companies	N/A	N/A	N/A

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17. Rates and Charges (Cont'd)17.2 Switched Access Service (Cont'd)17.2.3 End Office (Cont'd)(C) Trunk Ports(1) Shared Trunk Port

Company	Rate Per Access Minute		
	Originating		Terminating
	Toll-Free	Non-Toll Free	
CENTURYLINK OF LOUISIANA, LLC	\$0.0002245	\$0.000449	\$0.000000
CENTURYTEL OF ADAMSVILLE, INC.	0.000468	0.000936	
CENTURYTEL OF ARKANSAS, INC.	0.0001575	0.000315	
CENTURYTEL OF CENTRAL ARKANSAS, LLC	0.0008635	0.001727	
CENTURYTEL OF CENTRAL INDIANA, INC.	0.000768	0.001536	
CENTURYTEL OF CLAIBORNE, INC.	0.0003385	0.000677	
CENTURYTEL OF FAIRWATER-BRANDON-ALTO, LLC	0.0005545	0.001109	
CENTURYTEL OF FORESTVILLE, LLC	0.0005075	0.001015	
CENTURYTEL OF LAKE DALLAS, INC.	0.0052945	0.010589	
CENTURYTEL OF LARSEN-READFIELD, LLC	0.000342	0.000684	
CENTURYTEL OF MOUNTAIN HOME, INC.	0.000177	0.000354	
CENTURYTEL OF NORTH MISSISSIPPI, INC.	0.000508	0.001016	
CENTURYTEL OF NORTHERN MICHIGAN, INC.	0.0001685	0.000337	
CENTURYTEL OF NORTHERN WISCONSIN, LLC	0.000054	0.000108	
CENTURYTEL OF NORTHWEST ARKANSAS, LLC-RUSSELLVILLE	0.000463	0.000926	
CENTURYTEL OF NORTHWEST ARKANSAS, LLC-SILOAM SPRINGS	0.0006445	0.001289	
CENTURYTEL OF NORTHWEST WISCONSIN, LLC	0.000051	0.000102	
CENTURYTEL OF ODON, INC.	0.0006535	0.001307	
CENTURYTEL OF OOLTEWAH-COLLEGE DALE, INC.	0.000628	0.001256	
CENTURYTEL OF PORT ARANSAS, INC.	0.0016915	0.003383	
CENTURYTEL OF REDFIELD, INC.	0.0001425	0.000285	
CENTURYTEL OF SOUTH ARKANSAS, INC.	0.000137	0.000274	
CENTURYTEL OF SOUTHERN WISCONSIN, LLC	0.0003125	0.000625	
CENTURYTEL OF UPPER MICHIGAN, INC.	0.0007655	0.001531	
CENTURYTEL OF MIDWEST WISCONSIN (WAYSIDE)	N/A	N/A	

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17. Rates and Charges (Cont'd)17.2 Switched Access Service (Cont'd)17.2.3 End Office (Cont'd)(C) Trunk Ports (Cont'd)

(2) Dedicated Trunk Ports – Per Channel *

Company	DS1		Analog
	Originating	Blended	
CENTURYLINK OF LOUISIANA, LLC	\$0.10	\$0.10	ICB
CENTURYTEL OF ADAMSVILLE, INC.	0.11	0.11	ICB
CENTURYTEL OF ARKANSAS, INC.	0.42	0.42	ICB
CENTURYTEL OF CENTRAL ARKANSAS, LLC	0.44	0.44	ICB
CENTURYTEL OF CENTRAL INDIANA, INC.	0.06	0.06	ICB
CENTURYTEL OF CLAIBORNE, INC.	0.02	0.02	ICB
CENTURYTEL OF FAIRWATER-BRANDON-ALTO, LLC	ICB	ICB	ICB
CENTURYTEL OF FORESTVILLE, LLC	ICB	ICB	ICB
CENTURYTEL OF LAKE DALLAS, INC.	0.02	0.02	ICB
CENTURYTEL OF LARSEN-READFIELD, LLC	0.03	0.03	ICB
CENTURYTEL OF MOUNTAIN HOME, INC.	0.11	0.11	ICB
CENTURYTEL OF NORTH MISSISSIPPI, INC.	0.03	0.03	ICB
CENTURYTEL OF NORTHERN MICHIGAN, INC.	ICB	ICB	ICB
CENTURYTEL OF NORTHERN WISCONSIN, LLC	0.01	0.02	ICB
CENTURYTEL OF NORTHWEST ARKANSAS, LLC-RUSSELLVILLE	0.29	0.29	ICB
CENTURYTEL OF NORTHWEST ARKANSAS, LLC-SILOAM SPRINGS	0.38	0.38	ICB
CENTURYTEL OF NORTHWEST WISCONSIN, LLC	0.18	0.35	ICB
CENTURYTEL OF ODON, INC.	ICB	ICB	ICB
CENTURYTEL OF OOLTEWAH-COLLEGE DALE, INC.	0.05	0.05	ICB
CENTURYTEL OF PORT ARANSAS, INC.	0.30	0.30	ICB
CENTURYTEL OF REDFIELD, INC.	ICB	ICB	ICB
CENTURYTEL OF SOUTH ARKANSAS, INC.	ICB	ICB	ICB
CENTURYTEL OF SOUTHERN WISCONSIN, LLC	0.02	0.02	ICB
CENTURYTEL OF UPPER MICHIGAN, INC.	0.06	0.06	ICB
CENTURYTEL OF MIDWEST WISCONSIN (WAYSIDE).	N/A	N/A	N/A

* The DS1 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 is reduced as required and then combined with the originating portion of the rate for a blended flat rate.

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17. Rates and Charges (Cont'd)

17.2 Switched Access Service (Cont'd)

17.2.4 Feature Group B (FGB) with an Abbreviated Dialing Arrangement (ADA) Rate Factor

Rates apply to all FGB with ADA access minutes.

- Switched Access rates will apply to:
 - Entrance Facility
 - Direct Trunked Termination
 - Directed Trunked Facility
 - Tandem Switched Termination
 - Tandem Switched Facility
 - Tandem Switching
 - Multiplexing
 - Add/Drop Multiplexing
 - Customer Node
 - Customer Premises Port
- Switched Access rates multiplied by an ADA rate factor of .95 will apply to:
 - Local Switching

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17. Rates and Charges (Cont'd)17.2 Switched Access Service (Cont'd)17.2.5 Directory Assistance ServiceRateTariff
Section
Reference(A) Directory Assistance Service

A Directory Assistance Service
Charge applies for each call to
Directory Assistance Service

\$1.01

9.4.2

(B) Credit Allowance for Uncompleted DA Calls

In addition to the credit allowances
for Directory Assistance Service Call
and Directory Transport as set forth
respectively in 9.4.8(A) and (B)
preceding, there is also a credit
allowance for the Switched Access
Service portion in the originating
LATA of such DA call. The credit
will be as set forth following:

(1) Credit per call
when Switched Access Service
is billed using nonpremium
per minute rates

0.0190

9.4.8

(2) Credit per call
when Feature Group A or B
Switched Access Service is
billed using premium per
minute rates

0.0368

9.4.8

(3) Credit per call
when Feature Group C or D
Switched Access Service is
billed using premium per
minute rates

0.0368

9.4.8

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17. Rates and Charges (Cont'd)17.2 Switched Access Service (Cont'd)17.2.6 Assumed Minutes of Use

	Assumed Minutes Per Month Per Line or Trunk	Tariff Section Reference
(A) Feature Group A, Two Way Calling (1510 Originating, 2685 Terminating)	4195	6.5.4
(B) Feature Group A, Originating Only	1510	6.5.4
(C) Feature Group A, Terminating Only	2685	6.5.4
(D) Feature Group B, Two Way Calling (3132 Originating, 5568 Terminating)	8700	6.6.4
(E) Feature Group B, Originating Only	3132	6.6.4
(F) Feature Group B, Terminating Only	5568	6.6.4

17.2.7 Operator Transfer Service

	Rate	
Per Call Transferred	\$0.045580	6.10

17.2.8 Carrier Identification Parameter (CIP)

	Nonrecurring Charge Per CIC, Per End Office Direct Trunk Group	Nonrecurring Charge Per CIC, Per Access Tandem Direct Trunk Group	Monthly Recurring Charge Per Channel
Rate	\$80.00	\$1,120	\$0.46

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17. Rates and Charges17.3 Special Access Service17.3.1 Surcharge for Special Access Service

	<u>Monthly Rate</u>	<u>Tariff Section Reference</u>
- Per Voice Grade Equivalent	\$25.00	7.3

17.3.2 Reserved For Future Use17.3.2 Reserved For Future UseISSUE DATE:
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17. Rates and Charges. (Cont'd)17.3 Special Access Service (Cont'd)17.3.4 Voice Grade Service ^[1]

Regulations concerning Voice Grade Service are set forth in Section 7.6, preceding.

(A) Non-Competitive End User Channel Termination (EUCT), Per Termination

Company	Monthly Rate		Nonrecurring Charge
	2-Wire	4-Wire	
CENTURYLINK OF LOUISIANA, LLC CENTURYTEL OF ARKANSAS, INC. CENTURYTEL OF CENTRAL ARKANSAS, LLC CENTURYTEL OF CLAIBORNE, INC. CENTURYTEL OF MOUNTAIN HOME, INC. CENTURYTEL OF NORTH MISSISSIPPI, INC. CENTURYTEL OF NORTHERN MICHIGAN, INC. CENTURYTEL OF NORTHERN WISCONSIN, LLC CENTURYTEL OF NORTHWEST ARKANSAS, LLC - RUSSELLVILLE CENTURYTEL OF NORTHWEST ARKANSAS, LLC – SILOAM SPRINGS CENTURYTEL OF NORTHWEST WISCONSIN, LLC CENTURYTEL OF REDFIELD, INC. CENTURYTEL OF SOUTH ARKANSAS, INC.	\$11.58	18.44	\$325.00
CENTURYTEL OF ADAMSVILLE, INC. CENTURYTEL OF CENTRAL INDIANA, INC. CENTURYTEL OF FAIRWATER-BRANDON-ALTO, LLC CENTURYTEL OF FORESTVILLE, LLC CENTURYTEL OF LAKE DALLAS, INC. CENTURYTEL OF LARSEN-READFIELD, LLC CENTURYTEL OF ODON, INC. CENTURYTEL OF OOLTEWAH-COLLEGE DALE, INC. CENTURYTEL OF PORT ARANSAS, INC. CENTURYTEL OF SOUTHERN WISCONSIN, LLC CENTURYTEL OF UPPER MICHIGAN, INC. CENTURYTEL OF MIDWEST WISCONSIN (WAYSIDE)	N/A	N/A	N/A

^[1] Effective February 1, 2020, Voice Grade is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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17. Rates and Charges (Cont'd)17.3 Special Access Service (Cont'd)17.3.4 Voice Grade Service ^[1] (Cont'd)

(B) Reserved for Future Use

(C) Optional Features and Functions(1) Bridging(a) Voice Bridging, Per Port

Company	Monthly Rate	
	2-Wire	4-Wire
CENTURYLINK OF LOUISIANA, LLC CENTURYTEL OF ARKANSAS, INC. CENTURYTEL OF CENTRAL ARKANSAS, LLC CENTURYTEL OF CLAIBORNE, INC. CENTURYTEL OF MOUNTAIN HOME, INC. CENTURYTEL OF NORTH MISSISSIPPI, INC. CENTURYTEL OF NORTHERN MICHIGAN, INC. CENTURYTEL OF NORTHERN WISCONSIN, LLC CENTURYTEL OF NORTHWEST ARKANSAS, LLC - RUSSELLVILLE CENTURYTEL OF NORTHWEST ARKANSAS, LLC – SILOAM SPRINGS CENTURYTEL OF NORTHWEST WISCONSIN, LLC CENTURYTEL OF REDFIELD, INC. CENTURYTEL OF SOUTH ARKANSAS, INC.	\$5.33	\$3.22
CENTURYTEL OF ADAMSVILLE, INC. CENTURYTEL OF CENTRAL INDIANA, INC. CENTURYTEL OF FAIRWATER-BRANDON-ALTO, LLC CENTURYTEL OF FORESTVILLE, LLC CENTURYTEL OF LAKE DALLAS, INC. CENTURYTEL OF LARSEN-READFIELD, LLC CENTURYTEL OF ODON, INC. CENTURYTEL OF OOLTEWAH-COLLEGE DALE, INC. CENTURYTEL OF PORT ARANSAS, INC. CENTURYTEL OF SOUTHERN WISCONSIN, LLC CENTURYTEL OF UPPER MICHIGAN, INC. CENTURYTEL OF MIDWEST WISCONSIN (WAYSIDE)	N/A	N/A

^[1] Effective February 1, 2020, Voice Grade is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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17. Rates and Charges (Cont'd)17.3 Special Access Service (Cont'd)17.3.4 Voice Grade Service ^[1] (Cont'd)(C) Optional Features and Functions (Cont'd)(1) Bridging (Cont'd)(b) Data and Telephoto Bridging, Per Port

Company	Monthly Rate	
	2-Wire	4-Wire
CENTURYLINK OF LOUISIANA, LLC CENTURYTEL OF ARKANSAS, INC. CENTURYTEL OF CENTRAL ARKANSAS, LLC CENTURYTEL OF CLAIBORNE, INC. CENTURYTEL OF MOUNTAIN HOME, INC. CENTURYTEL OF NORTH MISSISSIPPI, INC. CENTURYTEL OF NORTHERN MICHIGAN, INC. CENTURYTEL OF NORTHERN WISCONSIN, LLC CENTURYTEL OF NORTHWEST ARKANSAS, LLC - RUSSELLVILLE CENTURYTEL OF NORTHWEST ARKANSAS, LLC – SILOAM SPRINGS CENTURYTEL OF NORTHWEST WISCONSIN, LLC CENTURYTEL OF REDFIELD, INC. CENTURYTEL OF SOUTH ARKANSAS, INC.	\$5.33	\$5.33
CENTURYTEL OF ADAMSVILLE, INC. CENTURYTEL OF CENTRAL INDIANA, INC. CENTURYTEL OF FAIRWATER-BRANDON-ALTO, LLC CENTURYTEL OF FORESTVILLE, LLC CENTURYTEL OF LAKE DALLAS, INC. CENTURYTEL OF LARSEN-READFIELD, LLC CENTURYTEL OF ODON, INC. CENTURYTEL OF OOLTEWAH-COLLEGE DALE, INC. CENTURYTEL OF PORT ARANSAS, INC. CENTURYTEL OF SOUTHERN WISCONSIN, LLC CENTURYTEL OF UPPER MICHIGAN, INC. CENTURYTEL OF MIDWEST WISCONSIN (WAYSIDE)	N/A	N/A

^[1] Effective February 1, 2020, Voice Grade is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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17. Rates and Charges (Cont'd)17.3 Special Access Service (Cont'd)17.3.4 Voice Grade Service ^[1] (Cont'd)(C) Optional Features and Functions (Cont'd)(1) Bridging (Cont'd)(d) DATAPHONE Select-A-Station Bridging

Company	Sequential Arrangement Ports Per Channel Connected		Addressable Arrangement Ports Per Channel Connected	
	2-Wire	4-Wire	2-Wire	4-Wire
CENTURYLINK OF LOUISIANA, LLC CENTURYTEL OF ARKANSAS, INC. CENTURYTEL OF CENTRAL ARKANSAS, LLC CENTURYTEL OF CLAIBORNE, INC. CENTURYTEL OF MOUNTAIN HOME, INC. CENTURYTEL OF NORTH MISSISSIPPI, INC. CENTURYTEL OF NORTHERN MICHIGAN, INC. CENTURYTEL OF NORTHERN WISCONSIN, LLC	\$18.18	\$96.45	\$19.46	\$84.24
CENTURYTEL OF NORTHWEST ARKANSAS, LLC – RUSSELLVILLE CENTURYTEL OF NORTHWEST ARKANSAS, LLC – SILOAM SPRINGS CENTURYTEL OF NORTHWEST WISCONSIN, LLC CENTURYTEL OF REDFIELD, INC. CENTURYTEL OF SOUTH ARKANSAS, INC. CENTURYTEL OF ADAMSVILLE, INC. CENTURYTEL OF CENTRAL INDIANA, INC. CENTURYTEL OF FAIRWATER-BRANDON-ALTO, LLC CENTURYTEL OF FORESTVILLE, LLC CENTURYTEL OF LAKE DALLAS, INC. CENTURYTEL OF LARSEN-READFIELD, LLC CENTURYTEL OF ODON, INC. CENTURYTEL OF OOLTEWAH-COLLEGE DALE, INC. CENTURYTEL OF PORT ARANSAS, INC. CENTURYTEL OF SOUTHERN WISCONSIN, LLC CENTURYTEL OF UPPER MICHIGAN, INC. CENTURYTEL OF MIDWEST WISCONSIN (WAYSIDE)	N/A	N/A	N/A	N/A

^[1] Effective February 1, 2020, Voice Grade is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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17. Rates and Charges (Cont'd)17.3 Special Access Service (Cont'd)17.3.4 Voice Grade Service ^[1] (Cont'd)(C) Optional Features and Functions (Cont'd)(1) Bridging (Cont'd)(e) Telemetry & Alarm Bridging Active Bridging Channel Connections

Company	Monthly Rate		
	Per Channel Connected Split Band	Per Channel Connected Summation	Passive Bridging Channel Connections Per Channel Connected
CENTURYLINK OF LOUISIANA, LLC CENTURYTEL OF ARKANSAS, INC. CENTURYTEL OF CENTRAL ARKANSAS, LLC CENTURYTEL OF CLAIBORNE, INC. CENTURYTEL OF MOUNTAIN HOME, INC. CENTURYTEL OF NORTH MISSISSIPPI, INC. CENTURYTEL OF NORTHERN MICHIGAN, INC. CENTURYTEL OF NORTHERN WISCONSIN, LLC CENTURYTEL OF NORTHWEST ARKANSAS, LLC – RUSSELLVILLE CENTURYTEL OF NORTHWEST ARKANSAS, LLC–SILOAM SPRINGS CENTURYTEL OF NORTHWEST WISCONSIN, LLC CENTURYTEL OF REDFIELD, INC. CENTURYTEL OF SOUTH ARKANSAS, INC.	\$8.49	\$3.31	\$0.23
CENTURYTEL OF ADAMSVILLE, INC. CENTURYTEL OF CENTRAL INDIANA, INC. CENTURYTEL OF FAIRWATER-BRANDON-ALTO, LLC CENTURYTEL OF FORESTVILLE, LLC CENTURYTEL OF LAKE DALLAS, INC. CENTURYTEL OF LARSEN-READFIELD, LLC CENTURYTEL OF ODON, INC. CENTURYTEL OF OOLTEWAH-COLLEGE DALE, INC. CENTURYTEL OF PORT ARANSAS, INC. CENTURYTEL OF SOUTHERN WISCONSIN, LLC CENTURYTEL OF UPPER MICHIGAN, INC. CENTURYTEL OF MIDWEST WISCONSIN (WAYSIDE)	N/A	N/A	N/A

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17. Rates and Charges (Cont'd)17.3 Special Access Service (Cont'd)17.3.4 Voice Grade Service ^[1] (Cont'd)(C) Optional Features and Functions (Cont'd)(2) Conditioning

Company	Monthly Rate					
	C-Type	Improved Attenuation Distortion	Improved Envelope Delay Distortion	Data Capability	Telephoto Capability	Sealing Current
CENTURYLINK OF LOUISIANA, LLC CENTURYTEL OF ARKANSAS, INC. CENTURYTEL OF CENTRAL ARKANSAS, LLC CENTURYTEL OF CLAIBORNE, INC. CENTURYTEL OF MOUNTAIN HOME, INC. CENTURYTEL OF NORTH MISSISSIPPI, INC. CENTURYTEL OF NORTHERN MICHIGAN, INC. CENTURYTEL OF NORTHERN WISCONSIN, LLC CENTURYTEL OF NORTHWEST ARKANSAS, LLC – RUSSELLVILLE CENTURYTEL OF NORTHWEST ARKANSAS, LLC – SILOAM SPRINGS CENTURYTEL OF NORTHWEST WISCONSIN, LLC CENTURYTEL OF REDFIELD, INC. CENTURYTEL OF SOUTH ARKANSAS, INC.	\$1.72	ICB	ICB	\$1.04	\$7.40	ICB
CENTURYTEL OF ADAMSVILLE, INC. CENTURYTEL OF CENTRAL INDIANA, INC. CENTURYTEL OF FAIRWATER-BRANDON-ALTO, LLC CENTURYTEL OF FORESTVILLE, LLC CENTURYTEL OF LAKE DALLAS, INC. CENTURYTEL OF LARSEN-READFIELD, LLC CENTURYTEL OF ODON, INC. CENTURYTEL OF OOLTEWAH-COLLEGE DALE, INC. CENTURYTEL OF PORT ARANSAS, INC. CENTURYTEL OF SOUTHERN WISCONSIN, LLC CENTURYTEL OF UPPER MICHIGAN, INC. CENTURYTEL OF MIDWEST WISCONSIN (WAYSIDE)	N/A	N/A	N/A	N/A	N/A	N/A

^[1] Effective February 1, 2020, Voice Grade is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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17. Rates and Charges (Cont'd)17.3 Special Access Service (Cont'd)17.3.4 Voice Grade Service ^[1] (Cont'd)(C) Optional Features and Functions (Cont'd)(3) Improved Return Loss for Effective 2-Wire or 4-Wire Transmission, Per Termination *

Company	Monthly Rate	
	2-Wire	4-Wire
CENTURYLINK OF LOUISIANA, LLC CENTURYTEL OF ARKANSAS, INC. CENTURYTEL OF CENTRAL ARKANSAS, LLC CENTURYTEL OF CLAIBORNE, INC. CENTURYTEL OF MOUNTAIN HOME, INC. CENTURYTEL OF NORTH MISSISSIPPI, INC. CENTURYTEL OF NORTHERN MICHIGAN, INC. CENTURYTEL OF NORTHERN WISCONSIN, LLC CENTURYTEL OF NORTHWEST ARKANSAS, LLC - RUSSELLVILLE CENTURYTEL OF NORTHWEST ARKANSAS, LLC – SILOAM SPRINGS CENTURYTEL OF NORTHWEST WISCONSIN, LLC CENTURYTEL OF REDFIELD, INC. CENTURYTEL OF SOUTH ARKANSAS, INC.	\$10.12	\$4.11
CENTURYTEL OF ADAMSVILLE, INC. CENTURYTEL OF CENTRAL INDIANA, INC. CENTURYTEL OF FAIRWATER-BRANDON-ALTO, LLC CENTURYTEL OF FORESTVILLE, LLC CENTURYTEL OF LAKE DALLAS, INC. CENTURYTEL OF LARSEN-READFIELD, LLC CENTURYTEL OF ODON, INC. CENTURYTEL OF OOLTEWAH-COLLEGE DALE, INC. CENTURYTEL OF PORT ARANSAS, INC. CENTURYTEL OF SOUTHERN WISCONSIN, LLC CENTURYTEL OF UPPER MICHIGAN, INC. CENTURYTEL OF MIDWEST WISCONSIN (WAYSIDE)	N/A	N/A

* Improved Attenuation Distortion and Improved Envelope Delay Distortion will continue to be provided to all customers who were provided with either or both of these optional features in conjunction with C-Type Conditioning prior to May 4, 1988.

^[1] Effective February 1, 2020, Voice Grade is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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17. Rates and Charges (Cont'd)17.3 Special Access Service (Cont'd)17.3.4 Voice Grade Service ^[1] (Cont'd)(C) Optional Features and Functions (Cont'd)

(4) Customer Specified Received Level, Per 2-Wire Termination

Company	Monthly Rate
CENTURYLINK OF LOUISIANA, LLC CENTURYTEL OF ARKANSAS, INC. CENTURYTEL OF CENTRAL ARKANSAS, LLC CENTURYTEL OF CLAIBORNE, INC. CENTURYTEL OF MOUNTAIN HOME, INC. CENTURYTEL OF NORTH MISSISSIPPI, INC. CENTURYTEL OF NORTHERN MICHIGAN, INC. CENTURYTEL OF NORTHERN WISCONSIN, LLC CENTURYTEL OF NORTHWEST ARKANSAS, LLC - RUSSELLVILLE CENTURYTEL OF NORTHWEST ARKANSAS, LLC – SILOAM SPRINGS CENTURYTEL OF NORTHWEST WISCONSIN, LLC CENTURYTEL OF REDFIELD, INC. CENTURYTEL OF SOUTH ARKANSAS, INC.	\$7.21
CENTURYTEL OF ADAMSVILLE, INC. CENTURYTEL OF CENTRAL INDIANA, INC. CENTURYTEL OF FAIRWATER-BRANDON-ALTO, LLC CENTURYTEL OF FORESTVILLE, LLC CENTURYTEL OF LAKE DALLAS, INC. CENTURYTEL OF LARSEN-READFIELD, LLC CENTURYTEL OF ODON, INC. CENTURYTEL OF OOLTEWAH-COLLEGE DALE, INC. CENTURYTEL OF PORT ARANSAS, INC. CENTURYTEL OF SOUTHERN WISCONSIN, LLC CENTURYTEL OF UPPER MICHIGAN, INC. CENTURYTEL OF MIDWEST WISCONSIN (WAYSIDE)	N/A

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17. Rates and Charges (Cont'd)17.3 Special Access Service (Cont'd)17.3.4 Voice Grade Service ^[1] (Cont'd)(C) Optional Features and Functions (Cont'd)

(5) Reserved for Future Use

(6) Signaling Capability, Per Termination

Company	Monthly Rate
CENTURYLINK OF LOUISIANA, LLC CENTURYTEL OF ARKANSAS, INC. CENTURYTEL OF CENTRAL ARKANSAS, LLC CENTURYTEL OF CLAIBORNE, INC. CENTURYTEL OF MOUNTAIN HOME, INC. CENTURYTEL OF NORTH MISSISSIPPI, INC. CENTURYTEL OF NORTHERN MICHIGAN, INC. CENTURYTEL OF NORTHERN WISCONSIN, LLC CENTURYTEL OF NORTHWEST ARKANSAS, LLC - RUSSELLVILLE CENTURYTEL OF NORTHWEST ARKANSAS, LLC – SILOAM SPRINGS CENTURYTEL OF NORTHWEST WISCONSIN, LLC CENTURYTEL OF REDFIELD, INC. CENTURYTEL OF SOUTH ARKANSAS, INC.	\$3.51
CENTURYTEL OF ADAMSVILLE, INC. CENTURYTEL OF CENTRAL INDIANA, INC. CENTURYTEL OF FAIRWATER-BRANDON-ALTO, LLC CENTURYTEL OF FORESTVILLE, LLC CENTURYTEL OF LAKE DALLAS, INC. CENTURYTEL OF LARSEN-READFIELD, LLC CENTURYTEL OF ODON, INC. CENTURYTEL OF OOLTEWAH-COLLEGE DALE, INC. CENTURYTEL OF PORT ARANSAS, INC. CENTURYTEL OF SOUTHERN WISCONSIN, LLC CENTURYTEL OF UPPER MICHIGAN, INC. CENTURYTEL OF MIDWEST WISCONSIN (WAYSIDE)	N/A

^[1] Effective February 1, 2020, Voice Grade is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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17. Rates and Charges (Cont'd)17.3 Special Access Service (Cont'd)17.3.4 Voice Grade Service ^[1] (Cont'd)(C) Optional Features and Functions (Cont'd)

(7) Selective Signaling Arrangement, Per Arrangement

Company	Monthly Rate
CENTURYLINK OF LOUISIANA, LLC CENTURYTEL OF ARKANSAS, INC. CENTURYTEL OF CENTRAL ARKANSAS, LLC CENTURYTEL OF CLAIBORNE, INC. CENTURYTEL OF MOUNTAIN HOME, INC. CENTURYTEL OF NORTH MISSISSIPPI, INC. CENTURYTEL OF NORTHERN MICHIGAN, INC. CENTURYTEL OF NORTHERN WISCONSIN, LLC CENTURYTEL OF NORTHWEST ARKANSAS, LLC - RUSSELLVILLE CENTURYTEL OF NORTHWEST ARKANSAS, LLC – SILOAM SPRINGS CENTURYTEL OF NORTHWEST WISCONSIN, LLC CENTURYTEL OF REDFIELD, INC. CENTURYTEL OF SOUTH ARKANSAS, INC.	\$5.33
CENTURYTEL OF ADAMSVILLE, INC. CENTURYTEL OF CENTRAL INDIANA, INC. CENTURYTEL OF FAIRWATER-BRANDON-ALTO, LLC CENTURYTEL OF FORESTVILLE, LLC CENTURYTEL OF LAKE DALLAS, INC. CENTURYTEL OF LARSEN-READFIELD, LLC CENTURYTEL OF ODON, INC. CENTURYTEL OF OOLTEWAH-COLLEGE DALE, INC. CENTURYTEL OF PORT ARANSAS, INC. CENTURYTEL OF SOUTHERN WISCONSIN, LLC CENTURYTEL OF UPPER MICHIGAN, INC. CENTURYTEL OF MIDWEST WISCONSIN (WAYSIDE)	N/A

^[1] Effective February 1, 2020, Voice Grade is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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17. Rates and Charges (Cont'd)17.3 Special Access Service (Cont'd)17.3.4 Voice Grade Service ^[1] (Cont'd)(C) Optional Features and Functions (Cont'd)

(8) Transfer Arrangement (Dial-up**)

Company	Monthly Rate	
	4-Port ***	5-Port ***
CENTURYLINK OF LOUISIANA, LLC CENTURYTEL OF ARKANSAS, INC. CENTURYTEL OF CENTRAL ARKANSAS, LLC CENTURYTEL OF CLAIBORNE, INC. CENTURYTEL OF MOUNTAIN HOME, INC. CENTURYTEL OF NORTH MISSISSIPPI, INC. CENTURYTEL OF NORTHERN MICHIGAN, INC. CENTURYTEL OF NORTHERN WISCONSIN, LLC CENTURYTEL OF NORTHWEST ARKANSAS, LLC - RUSSELLVILLE CENTURYTEL OF NORTHWEST ARKANSAS, LLC – SILOAM SPRINGS CENTURYTEL OF NORTHWEST WISCONSIN, LLC CENTURYTEL OF REDFIELD, INC. CENTURYTEL OF SOUTH ARKANSAS, INC.	\$2.56	\$5.86
CENTURYTEL OF ADAMSVILLE, INC. CENTURYTEL OF CENTRAL INDIANA, INC. CENTURYTEL OF FAIRWATER-BRANDON-ALTO, LLC CENTURYTEL OF FORESTVILLE, LLC CENTURYTEL OF LAKE DALLAS, INC. CENTURYTEL OF LARSEN-READFIELD, LLC CENTURYTEL OF ODON, INC. CENTURYTEL OF OOLTEWAH-COLLEGE DALE, INC. CENTURYTEL OF PORT ARANSAS, INC. CENTURYTEL OF SOUTHERN WISCONSIN, LLC CENTURYTEL OF UPPER MICHIGAN, INC. CENTURYTEL OF MIDWEST WISCONSIN (WAYSIDE)	N/A	N/A

^[1] Effective February 1, 2020, Voice Grade is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

** The Dial-Up option requires the customer to purchase the Controller Arrangement from Section 13.3.4, preceding.

*** An additional Non-Competitive End User Channel Termination (EUCT) charge will apply whenever a spare channel is configured as a leg to the customer designated premises.

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17. Rates and Charges (Cont'd)

17.3 Special Access Service(Cont'd)

17.3.4 Voice Grade Service ^[1] (Cont'd)

(C) Optional Features and Functions (Cont'd)

- (9) Public Packet Switching Network (PPSN) Interface Arrangement, Per Arrangement

Monthly Rate
ICB

^[1] Effective February 1, 2020, Voice Grade is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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17. Rates and Charges (Cont'd)17.3 Special Access Service(Cont'd)17.3.5 Program Audio Service ⁽¹⁾

Regulations concerning Program Audio Service are set forth in Section 7.7, preceding.

(A) Non-Competitive End User Channel Termination (EUCT), Per Termination(1) Nonrecurring Charges

- All Bandwidths

Company	Monthly/Daily
CENTURYLINK OF LOUISIANA, LLC CENTURYTEL OF ARKANSAS, INC. CENTURYTEL OF CENTRAL ARKANSAS, LLC CENTURYTEL OF CLAIBORNE, INC. CENTURYTEL OF MOUNTAIN HOME, INC. CENTURYTEL OF NORTH MISSISSIPPI, INC. CENTURYTEL OF NORTHERN MICHIGAN, INC. CENTURYTEL OF NORTHERN WISCONSIN, LLC CENTURYTEL OF NORTHWEST ARKANSAS, LLC – RUSSELLVILLE CENTURYTEL OF NORTHWEST ARKANSAS, LLC – SILOAM SPRINGS CENTURYTEL OF NORTHWEST WISCONSIN, LLC CENTURYTEL OF REDFIELD, INC. CENTURYTEL OF SOUTH ARKANSAS, INC.	\$325.00
CENTURYTEL OF ADAMSVILLE, INC. CENTURYTEL OF CENTRAL INDIANA, INC. CENTURYTEL OF FAIRWATER-BRANDON-ALTO, LLC CENTURYTEL OF FORESTVILLE, LLC CENTURYTEL OF LAKE DALLAS, INC. CENTURYTEL OF LARSEN-READFIELD, LLC CENTURYTEL OF ODON, INC. CENTURYTEL OF OOLTEWAH-COLLEGE DALE, INC. CENTURYTEL OF PORT ARANSAS, INC. CENTURYTEL OF SOUTHERN WISCONSIN, LLC CENTURYTEL OF UPPER MICHIGAN, INC. CENTURYTEL OF MIDWEST WISCONSIN (WAYSIDE)	N/A

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17. Rates and Charges (Cont'd)17.3 Special Access Service (Cont'd)17.3.5 Program Audio Service ⁽¹⁾(A) Non-Competitive End User Channel Termination (EUCT), Per Termination
(Cont'd)(2) 200 to 3500 Hz

Company	Monthly Rate	Daily Rate*
CENTURYLINK OF LOUISIANA, LLC CENTURYTEL OF ARKANSAS, INC. CENTURYTEL OF CENTRAL ARKANSAS, LLC CENTURYTEL OF CLAIBORNE, INC. CENTURYTEL OF MOUNTAIN HOME, INC. CENTURYTEL OF NORTH MISSISSIPPI, INC. CENTURYTEL OF NORTHERN MICHIGAN, INC. CENTURYTEL OF NORTHERN WISCONSIN, LLC CENTURYTEL OF NORTHWEST ARKANSAS, LLC – RUSSELLVILLE CENTURYTEL OF NORTHWEST ARKANSAS, LLC – SILOAM SPRINGS CENTURYTEL OF NORTHWEST WISCONSIN, LLC CENTURYTEL OF REDFIELD, INC. CENTURYTEL OF SOUTH ARKANSAS, INC.	\$13.03	\$3.79
CENTURYTEL OF ADAMSVILLE, INC. CENTURYTEL OF CENTRAL INDIANA, INC. CENTURYTEL OF FAIRWATER-BRANDON-ALTO, LLC CENTURYTEL OF FORESTVILLE, LLC CENTURYTEL OF LAKE DALLAS, INC. CENTURYTEL OF LARSEN-READFIELD, LLC CENTURYTEL OF ODON, INC. CENTURYTEL OF OOLTEWAH-COLLEGEDALE, INC. CENTURYTEL OF PORT ARANSAS, INC. CENTURYTEL OF SOUTHERN WISCONSIN, LLC CENTURYTEL OF UPPER MICHIGAN, INC. CENTURYTEL OF MIDWEST WISCONSIN (WAYSIDE)	N/A	N/A

* Daily rates will be topped and maximum rates derived as set forth in Section 7.2.2(B), preceding.

⁽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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17. Rates and Charges (Cont'd)17.3 Special Access Service (Cont'd)17.3.5 Program Audio Service ⁽¹⁾ (Cont'd)

Regulations concerning Program Audio Service are set forth in Section 7.7, preceding.

(A) Non-Competitive End User Channel Termination (EUCT), Per Termination
(Cont'd)(3) 100 to 5000 Hz

Company	Monthly Rate	Daily Rate*
CENTURYLINK OF LOUISIANA, LLC CENTURYTEL OF ARKANSAS, INC. CENTURYTEL OF CENTRAL ARKANSAS, LLC CENTURYTEL OF CLAIBORNE, INC. CENTURYTEL OF MOUNTAIN HOME, INC. CENTURYTEL OF NORTH MISSISSIPPI, INC. CENTURYTEL OF NORTHERN MICHIGAN, INC. CENTURYTEL OF NORTHERN WISCONSIN, LLC CENTURYTEL OF NORTHWEST ARKANSAS, LLC – RUSSELLVILLE CENTURYTEL OF NORTHWEST ARKANSAS, LLC – SILOAM SPRINGS CENTURYTEL OF NORTHWEST WISCONSIN, LLC CENTURYTEL OF REDFIELD, INC. CENTURYTEL OF SOUTH ARKANSAS, INC.	\$19.47	\$6.60
CENTURYTEL OF ADAMSVILLE, INC. CENTURYTEL OF CENTRAL INDIANA, INC. CENTURYTEL OF FAIRWATER-BRANDON-ALTO, LLC CENTURYTEL OF FORESTVILLE, LLC CENTURYTEL OF LAKE DALLAS, INC. CENTURYTEL OF LARSEN-READFIELD, LLC CENTURYTEL OF ODON, INC. CENTURYTEL OF OOLTEWAH-COLLEGE DALE, INC. CENTURYTEL OF PORT ARANSAS, INC. CENTURYTEL OF SOUTHERN WISCONSIN, LLC CENTURYTEL OF UPPER MICHIGAN, INC. CENTURYTEL OF MIDWEST WISCONSIN (WAYSIDE)	N/A	N/A

* Daily rates will be topped and maximum rates derived as set forth in Section 7.2.2(B), preceding.

⁽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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17. Rates and Charges (Cont'd)17.3 Special Access Service (Cont'd)17.3.5 Program Audio Service ⁽¹⁾ (Cont'd)

Regulations concerning Program Audio Service are set forth in Section 7.7, preceding.

(A) Non-Competitive End User Channel Termination (EUCT), Per Termination
(Cont'd)(4) 50 to 8000 Hz

Company	Monthly Rate	Daily Rate*
CENTURYLINK OF LOUISIANA, LLC CENTURYTEL OF ARKANSAS, INC. CENTURYTEL OF CENTRAL ARKANSAS, LLC CENTURYTEL OF CLAIBORNE, INC. CENTURYTEL OF MOUNTAIN HOME, INC. CENTURYTEL OF NORTH MISSISSIPPI, INC. CENTURYTEL OF NORTHERN MICHIGAN, INC. CENTURYTEL OF NORTHERN WISCONSIN, LLC CENTURYTEL OF NORTHWEST ARKANSAS, LLC – RUSSELLVILLE CENTURYTEL OF NORTHWEST ARKANSAS, LLC – SILOAM SPRINGS CENTURYTEL OF NORTHWEST WISCONSIN, LLC CENTURYTEL OF REDFIELD, INC. CENTURYTEL OF SOUTH ARKANSAS, INC.	\$19.47	\$6.60
CENTURYTEL OF ADAMSVILLE, INC. CENTURYTEL OF CENTRAL INDIANA, INC. CENTURYTEL OF FAIRWATER-BRANDON-ALTO, LLC CENTURYTEL OF FORESTVILLE, LLC CENTURYTEL OF LAKE DALLAS, INC. CENTURYTEL OF LARSEN-READFIELD, LLC CENTURYTEL OF ODON, INC. CENTURYTEL OF OOLTEWAH-COLLEGE DALE, INC. CENTURYTEL OF PORT ARANSAS, INC. CENTURYTEL OF SOUTHERN WISCONSIN, LLC CENTURYTEL OF UPPER MICHIGAN, INC. CENTURYTEL OF MIDWEST WISCONSIN (WAYSIDE)	N/A	N/A

* Daily rates will be topped and maximum rates derived as set forth in Section 7.2.2(B), preceding.

⁽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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17. Rates and Charges (Cont'd)17.3 Special Access Service (Cont'd)17.3.5 Program Audio Service ⁽¹⁾ (Cont'd)

Regulations concerning Program Audio Service are set forth in Section 7.7, preceding.

(A) Non-Competitive End User Channel Termination (EUCT), Per Termination
(Cont'd)(5) 50 to 15000 Hz

Company	Monthly Rate	Daily Rate*
CENTURYLINK OF LOUISIANA, LLC CENTURYTEL OF ARKANSAS, INC. CENTURYTEL OF CENTRAL ARKANSAS, LLC CENTURYTEL OF CLAIBORNE, INC. CENTURYTEL OF MOUNTAIN HOME, INC. CENTURYTEL OF NORTH MISSISSIPPI, INC. CENTURYTEL OF NORTHERN MICHIGAN, INC. CENTURYTEL OF NORTHERN WISCONSIN, LLC CENTURYTEL OF NORTHWEST ARKANSAS, LLC – RUSSELLVILLE CENTURYTEL OF NORTHWEST ARKANSAS, LLC – SILOAM SPRINGS CENTURYTEL OF NORTHWEST WISCONSIN, LLC CENTURYTEL OF REDFIELD, INC. CENTURYTEL OF SOUTH ARKANSAS, INC.	\$20.65	\$6.60
CENTURYTEL OF ADAMSVILLE, INC. CENTURYTEL OF CENTRAL INDIANA, INC. CENTURYTEL OF FAIRWATER-BRANDON-ALTO, LLC CENTURYTEL OF FORESTVILLE, LLC CENTURYTEL OF LAKE DALLAS, INC. CENTURYTEL OF LARSEN-READFIELD, LLC CENTURYTEL OF ODON, INC. CENTURYTEL OF OOLTEWAH-COLLEGE DALE, INC. CENTURYTEL OF PORT ARANSAS, INC. CENTURYTEL OF SOUTHERN WISCONSIN, LLC CENTURYTEL OF UPPER MICHIGAN, INC. CENTURYTEL OF MIDWEST WISCONSIN (WAYSIDE)	N/A	N/A

* Daily rates will be topped and maximum rates derived as set forth in Section 7.2.2(B), preceding.

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17. Rates and Charges (Cont'd)17.3 Special Access Service (Cont'd)17.3.5 Program Audio Service ⁽¹⁾ (Cont'd)

(B) Reserved for Future Use

(C) Optional Features and Functions

(1) Bridging Distribution Amplifier, Per Port

Company	Monthly Rate	Daily Rate*
CENTURYLINK OF LOUISIANA, LLC CENTURYTEL OF ARKANSAS, INC. CENTURYTEL OF CENTRAL ARKANSAS, LLC CENTURYTEL OF CLAIBORNE, INC. CENTURYTEL OF MOUNTAIN HOME, INC. CENTURYTEL OF NORTH MISSISSIPPI, INC. CENTURYTEL OF NORTHERN MICHIGAN, INC. CENTURYTEL OF NORTHERN WISCONSIN, LLC CENTURYTEL OF NORTHWEST ARKANSAS, LLC – RUSSELLVILLE CENTURYTEL OF NORTHWEST ARKANSAS, LLC – SILOAM SPRINGS CENTURYTEL OF NORTHWEST WISCONSIN, LLC CENTURYTEL OF REDFIELD, INC. CENTURYTEL OF SOUTH ARKANSAS, INC.	\$16.36	\$1.64
CENTURYTEL OF ADAMSVILLE, INC. CENTURYTEL OF CENTRAL INDIANA, INC. CENTURYTEL OF FAIRWATER-BRANDON-ALTO, LLC CENTURYTEL OF FORESTVILLE, LLC CENTURYTEL OF LAKE DALLAS, INC. CENTURYTEL OF LARSEN-READFIELD, LLC CENTURYTEL OF ODON, INC. CENTURYTEL OF OOLTEWAH-COLLEGE DALE, INC. CENTURYTEL OF PORT ARANSAS, INC. CENTURYTEL OF SOUTHERN WISCONSIN, LLC CENTURYTEL OF UPPER MICHIGAN, INC. CENTURYTEL OF MIDWEST WISCONSIN (WAYSIDE)	N/A	N/A

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17. Rates and Charges (Cont'd)17.3 Special Access Service (Cont'd)17.3.5 Program Audio Service ⁽¹⁾ (Cont'd)

(C) Optional Features and Functions(Cont'd)

(2) Gain Conditioning, Per Service

Company	Monthly Rate	Daily Rate*
CENTURYLINK OF LOUISIANA, LLC CENTURYTEL OF ARKANSAS, INC. CENTURYTEL OF CENTRAL ARKANSAS, LLC CENTURYTEL OF CLAIBORNE, INC. CENTURYTEL OF MOUNTAIN HOME, INC. CENTURYTEL OF NORTH MISSISSIPPI, INC. CENTURYTEL OF NORTHERN MICHIGAN, INC. CENTURYTEL OF NORTHERN WISCONSIN, LLC CENTURYTEL OF NORTHWEST ARKANSAS, LLC – RUSSELLVILLE CENTURYTEL OF NORTHWEST ARKANSAS, LLC – SILOAM SPRINGS CENTURYTEL OF NORTHWEST WISCONSIN, LLC CENTURYTEL OF REDFIELD, INC. CENTURYTEL OF SOUTH ARKANSAS, INC.	\$10.58	\$1.06
CENTURYTEL OF ADAMSVILLE, INC. CENTURYTEL OF CENTRAL INDIANA, INC. CENTURYTEL OF FAIRWATER-BRANDON-ALTO, LLC CENTURYTEL OF FORESTVILLE, LLC CENTURYTEL OF LAKE DALLAS, INC. CENTURYTEL OF LARSEN-READFIELD, LLC CENTURYTEL OF ODON, INC. CENTURYTEL OF OOLTEWAH-COLLEGE DALE, INC. CENTURYTEL OF PORT ARANSAS, INC. CENTURYTEL OF SOUTHERN WISCONSIN, LLC CENTURYTEL OF UPPER MICHIGAN, INC. CENTURYTEL OF MIDWEST WISCONSIN (WAYSIDE)	N/A	N/A

* Daily rates will be topped and maximum rates derived as set forth in Section 7.2.2(B), preceding.

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17. Rates and Charges (Cont'd)17.3 Special Access Service (Cont'd)17.3.5 Program Audio Service ⁽¹⁾ (Cont'd)

(C) Optional Features and Functions(Cont'd)

(3) Stereo, Per Service

Company	Monthly Rate	Daily Rate*
CENTURYLINK OF LOUISIANA, LLC CENTURYTEL OF ARKANSAS, INC. CENTURYTEL OF CENTRAL ARKANSAS, LLC CENTURYTEL OF CLAIBORNE, INC. CENTURYTEL OF MOUNTAIN HOME, INC. CENTURYTEL OF NORTH MISSISSIPPI, INC. CENTURYTEL OF NORTHERN MICHIGAN, INC. CENTURYTEL OF NORTHERN WISCONSIN, LLC CENTURYTEL OF NORTHWEST ARKANSAS, LLC – RUSSELLVILLE CENTURYTEL OF NORTHWEST ARKANSAS, LLC – SILOAM SPRINGS CENTURYTEL OF NORTHWEST WISCONSIN, LLC CENTURYTEL OF REDFIELD, INC. CENTURYTEL OF SOUTH ARKANSAS, INC.	\$5.80	\$1.82
CENTURYTEL OF ADAMSVILLE, INC. CENTURYTEL OF CENTRAL INDIANA, INC. CENTURYTEL OF FAIRWATER-BRANDON-ALTO, LLC CENTURYTEL OF FORESTVILLE, LLC CENTURYTEL OF LAKE DALLAS, INC. CENTURYTEL OF LARSEN-READFIELD, LLC CENTURYTEL OF ODON, INC. CENTURYTEL OF OOLTEWAH-COLLEGE DALE, INC. CENTURYTEL OF PORT ARANSAS, INC. CENTURYTEL OF SOUTHERN WISCONSIN, LLC CENTURYTEL OF UPPER MICHIGAN, INC. CENTURYTEL OF MIDWEST WISCONSIN (WAYSIDE)	N/A	N/A

* Daily rates will be topped and maximum rates derived as set forth in Section 7.2.2(B), preceding.

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17. Rates and Charges (Cont'd)17.3 Special Access Service (Cont'd)17.3.6 Reserved for Future Use17.3.7 Digital Data Service ⁽¹⁾

Regulations concerning Program Audio Service are set forth in Section 7.7, preceding.

(A) Non-Competitive End User Channel Termination (EUCT), Per Termination

2.4, 4.8, 9.6, 19.2, 56 and 64 Kbps

Company	Monthly Rate	Nonrecurring Charge
CENTURYLINK OF LOUISIANA, LLC CENTURYTEL OF ARKANSAS, INC. CENTURYTEL OF CENTRAL ARKANSAS, LLC CENTURYTEL OF CLAIBORNE, INC. CENTURYTEL OF MOUNTAIN HOME, INC. CENTURYTEL OF NORTH MISSISSIPPI, INC. CENTURYTEL OF NORTHERN MICHIGAN, INC. CENTURYTEL OF NORTHERN WISCONSIN, LLC CENTURYTEL OF NORTHWEST ARKANSAS, LLC – RUSSELLVILLE CENTURYTEL OF NORTHWEST ARKANSAS, LLC – SILOAM SPRINGS CENTURYTEL OF NORTHWEST WISCONSIN, LLC CENTURYTEL OF REDFIELD, INC. CENTURYTEL OF SOUTH ARKANSAS, INC.	\$20.31	\$353.00
CENTURYTEL OF ADAMSVILLE, INC. CENTURYTEL OF CENTRAL INDIANA, INC. CENTURYTEL OF FAIRWATER-BRANDON-ALTO, LLC CENTURYTEL OF FORESTVILLE, LLC CENTURYTEL OF LAKE DALLAS, INC. CENTURYTEL OF LARSEN-READFIELD, LLC CENTURYTEL OF ODON, INC. CENTURYTEL OF OOLTEWAH-COLLEGE DALE, INC. CENTURYTEL OF PORT ARANSAS, INC. CENTURYTEL OF SOUTHERN WISCONSIN, LLC CENTURYTEL OF UPPER MICHIGAN, INC. CENTURYTEL OF MIDWEST WISCONSIN (WAYSIDE)	N/A	N/A

⁽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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17. Rates and Charges (Cont'd)17.3 Special Access Service (Cont'd)17.3.7 Digital Data Service ⁽¹⁾ (Cont'd)(B) Reserved for Future Use(C) Optional Features and Functions(1) Bridging, Per Port

Company	Monthly Rate
CENTURYLINK OF LOUISIANA, LLC CENTURYTEL OF ARKANSAS, INC. CENTURYTEL OF CENTRAL ARKANSAS, LLC CENTURYTEL OF CLAIBORNE, INC. CENTURYTEL OF MOUNTAIN HOME, INC. CENTURYTEL OF NORTH MISSISSIPPI, INC. CENTURYTEL OF NORTHERN MICHIGAN, INC. CENTURYTEL OF NORTHERN WISCONSIN, LLC CENTURYTEL OF NORTHWEST ARKANSAS, LLC – RUSSELLVILLE CENTURYTEL OF NORTHWEST ARKANSAS, LLC – SILOAM SPRINGS CENTURYTEL OF NORTHWEST WISCONSIN, LLC CENTURYTEL OF REDFIELD, INC. CENTURYTEL OF SOUTH ARKANSAS, INC.	\$1.46
CENTURYTEL OF ADAMSVILLE, INC. CENTURYTEL OF CENTRAL INDIANA, INC. CENTURYTEL OF FAIRWATER-BRANDON-ALTO, LLC CENTURYTEL OF FORESTVILLE, LLC CENTURYTEL OF LAKE DALLAS, INC. CENTURYTEL OF LARSEN-READFIELD, LLC CENTURYTEL OF ODON, INC. CENTURYTEL OF OOLTEWAH-COLLEGE DALE, INC. CENTURYTEL OF PORT ARANSAS, INC. CENTURYTEL OF SOUTHERN WISCONSIN, LLC CENTURYTEL OF UPPER MICHIGAN, INC. CENTURYTEL OF MIDWEST WISCONSIN (WAYSIDE)	N/A

⁽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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17. Rates and Charges (Cont'd)17.3 Special Access Service (Cont'd)17.3.7 Digital Data Service ⁽¹⁾ (Cont'd)(B) Reserved for Future Use(C) Optional Features and Functions(2) Loop Transfer Arrangement

Per 4 Port Arrangement, Dial Up*

Company	Monthly Rate
CENTURYLINK OF LOUISIANA, LLC CENTURYTEL OF ARKANSAS, INC. CENTURYTEL OF CENTRAL ARKANSAS, LLC CENTURYTEL OF CLAIBORNE, INC. CENTURYTEL OF MOUNTAIN HOME, INC. CENTURYTEL OF NORTH MISSISSIPPI, INC. CENTURYTEL OF NORTHERN MICHIGAN, INC. CENTURYTEL OF NORTHERN WISCONSIN, LLC CENTURYTEL OF NORTHWEST ARKANSAS, LLC – RUSSELLVILLE CENTURYTEL OF NORTHWEST ARKANSAS, LLC – SILOAM SPRINGS CENTURYTEL OF NORTHWEST WISCONSIN, LLC CENTURYTEL OF REDFIELD, INC. CENTURYTEL OF SOUTH ARKANSAS, INC.	\$5.09
CENTURYTEL OF ADAMSVILLE, INC. CENTURYTEL OF CENTRAL INDIANA, INC. CENTURYTEL OF FAIRWATER-BRANDON-ALTO, LLC CENTURYTEL OF FORESTVILLE, LLC CENTURYTEL OF LAKE DALLAS, INC. CENTURYTEL OF LARSEN-READFIELD, LLC CENTURYTEL OF ODON, INC. CENTURYTEL OF OOLTEWAH-COLLEGE DALE, INC. CENTURYTEL OF PORT ARANSAS, INC. CENTURYTEL OF SOUTHERN WISCONSIN, LLC CENTURYTEL OF UPPER MICHIGAN, INC. CENTURYTEL OF MIDWEST WISCONSIN (WAYSIDE)	N/A

* The Dial-Up option requires the customer to purchase the Controller Arrangement from Section 13.3.4, preceding.

⁽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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17. Rates and Charges – BRIGHTSPEED LOCAL OPERATING COMPANIES (Cont'd)17.3 Special Access Service (Cont'd)17.3.8 High Capacity Service

Regulations concerning High Capacity Service are set forth in Section 7.10 preceding.

(A) Non-Competitive End User Channel Termination (EUCT), Per Termination

(1) DS1 – 1.544 Mbps

Company	Monthly Rate	Nonrecurring Charge
CENTURYLINK OF LOUISIANA, LLC CENTURYTEL OF ARKANSAS, INC. CENTURYTEL OF CENTRAL ARKANSAS, LLC CENTURYTEL OF CLAIBORNE, INC. CENTURYTEL OF MOUNTAIN HOME, INC. CENTURYTEL OF NORTH MISSISSIPPI, INC. CENTURYTEL OF NORTHERN MICHIGAN, INC. CENTURYTEL OF NORTHERN WISCONSIN, LLC CENTURYTEL OF NORTHWEST ARKANSAS, LLC – RUSSELLVILLE CENTURYTEL OF NORTHWEST ARKANSAS, LLC – SILOAM SPRINGS CENTURYTEL OF NORTHWEST WISCONSIN, LLC CENTURYTEL OF REDFIELD, INC. CENTURYTEL OF SOUTH ARKANSAS, INC.	\$55.38	\$370.11
CENTURYTEL OF ADAMSVILLE, INC. CENTURYTEL OF CENTRAL INDIANA, INC. CENTURYTEL OF FAIRWATER-BRANDON-ALTO, LLC CENTURYTEL OF FORESTVILLE, LLC CENTURYTEL OF LAKE DALLAS, INC. CENTURYTEL OF LARSEN-READFIELD, LLC CENTURYTEL OF ODON, INC. CENTURYTEL OF OOLTEWAH-COLLEGE DALE, INC. CENTURYTEL OF PORT ARANSAS, INC. CENTURYTEL OF SOUTHERN WISCONSIN, LLC CENTURYTEL OF UPPER MICHIGAN, INC. CENTURYTEL OF MIDWEST WISCONSIN (WAYSIDE)	N/A	N/A

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17. Rates and Charges – BRIGHTSPEED LOCAL OPERATING COMPANIES (Cont'd)17.3 Special Access Service (Cont'd)17.3.8 High Capacity Service (Cont'd)(A) Non-Competitive End User Channel Termination (EUCT), Per Termination (Cont'd)

(2) DS3 – 44.736 Mbps

Company	Monthly Rate	Nonrecurring Charge
CENTURYLINK OF LOUISIANA, LLC CENTURYTEL OF ARKANSAS, INC. CENTURYTEL OF CENTRAL ARKANSAS, LLC CENTURYTEL OF CLAIBORNE, INC. CENTURYTEL OF MOUNTAIN HOME, INC. CENTURYTEL OF NORTH MISSISSIPPI, INC. CENTURYTEL OF NORTHERN MICHIGAN, INC. CENTURYTEL OF NORTHERN WISCONSIN, LLC CENTURYTEL OF NORTHWEST ARKANSAS, LLC – RUSSELLVILLE CENTURYTEL OF NORTHWEST ARKANSAS, LLC – SILOAM SPRINGS CENTURYTEL OF NORTHWEST WISCONSIN, LLC CENTURYTEL OF REDFIELD, INC. CENTURYTEL OF SOUTH ARKANSAS, INC.	\$436.47	\$426.00
CENTURYTEL OF ADAMSVILLE, INC. CENTURYTEL OF CENTRAL INDIANA, INC. CENTURYTEL OF FAIRWATER-BRANDON-ALTO, LLC CENTURYTEL OF FORESTVILLE, LLC CENTURYTEL OF LAKE DALLAS, INC. CENTURYTEL OF LARSEN-READFIELD, LLC CENTURYTEL OF ODON, INC. CENTURYTEL OF OOLTEWAH-COLLEGE DALE, INC. CENTURYTEL OF PORT ARANSAS, INC. CENTURYTEL OF SOUTHERN WISCONSIN, LLC CENTURYTEL OF UPPER MICHIGAN, INC. CENTURYTEL OF MIDWEST WISCONSIN (WAYSIDE)	N/A	N/A

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17. Rates and Charges – BRIGHTSPEED LOCAL OPERATING COMPANIES (Cont'd)17.3 Special Access Service (Cont'd)17.3.8 High Capacity Service (Cont'd)(A) Non-Competitive End User Channel Termination (EUCT), Per Termination (Cont'd)

(3) DS1C – 3.152 Mbps

Company	Monthly Rate	Nonrecurring Charge
All companies	ICB	ICB

(4) DS2 – 6.312 Mbps

Company	Monthly Rate	Nonrecurring Charge
All companies	ICB	ICB

(B) Reserved for Future Use(C) Term Discount ^[1]Percentage

(1) High Capacity Optional Rate Plan

- DS1 and DS3 services

36 months

10%

60 months

20%

(2) Fixed Rate Term Plan ^[2]

- DS3 services

84 months

21%

(D) Optional Features and Functions(1) Reserved For Future Use

^[1]Effective May 16, 2019 the Optional 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.

^[2] The Fixed Rate Term Plan is applicable only for CenturyTel of Northwest Arkansas, LLC-Russellville.

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17. Rates and Charges (Cont'd)17.3 Special Access Service (Cont'd)17.3.8 High Capacity Service (Cont'd)(D) Optional Features and Functions(1) Reserved for Future Use(2) Automatic Loop Transfer*

Company	Monthly Rate, Per Arrangement
CENTURYLINK OF LOUISIANA, LLC CENTURYTEL OF ARKANSAS, INC. CENTURYTEL OF CENTRAL ARKANSAS, LLC CENTURYTEL OF CLAIBORNE, INC. CENTURYTEL OF MOUNTAIN HOME, INC. CENTURYTEL OF NORTH MISSISSIPPI, INC. CENTURYTEL OF NORTHERN MICHIGAN, INC. CENTURYTEL OF NORTHERN WISCONSIN, LLC CENTURYTEL OF NORTHWEST ARKANSAS, LLC – RUSSELLVILLE CENTURYTEL OF NORTHWEST ARKANSAS, LLC – SILOAM SPRINGS CENTURYTEL OF NORTHWEST WISCONSIN, LLC CENTURYTEL OF REDFIELD, INC. CENTURYTEL OF SOUTH ARKANSAS, INC.	\$129.47
CENTURYTEL OF ADAMSVILLE, INC. CENTURYTEL OF CENTRAL INDIANA, INC. CENTURYTEL OF FAIRWATER-BRANDON-ALTO, LLC CENTURYTEL OF FORESTVILLE, LLC CENTURYTEL OF LAKE DALLAS, INC. CENTURYTEL OF LARSEN-READFIELD, LLC CENTURYTEL OF ODON, INC. CENTURYTEL OF OOLTEWAH-COLLEGE DALE, INC. CENTURYTEL OF PORT ARANSAS, INC. CENTURYTEL OF SOUTHERN WISCONSIN, LLC CENTURYTEL OF UPPER MICHIGAN, INC. CENTURYTEL OF MIDWEST WISCONSIN (WAYSIDE)	N/A

* An additional Non-Competitive End User Channel Termination (EUCT) charge will apply whenever the spare line is provided as a leg to the customer designated premises.

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17. Rates and Charges (Cont'd)17.3 Special Access Service (Cont'd)17.3.8 High Capacity Service (Cont'd)(D) Optional Features and Functions (Cont'd)(3) Transfer Arrangement (Dial-Up*)

Company	Monthly Rate, Per 4-Port Arrangement Incl. Control Channel Termination**
CENTURYLINK OF LOUISIANA, LLC CENTURYTEL OF ARKANSAS, INC. CENTURYTEL OF CENTRAL ARKANSAS, LLC CENTURYTEL OF CLAIBORNE, INC. CENTURYTEL OF MOUNTAIN HOME, INC. CENTURYTEL OF NORTH MISSISSIPPI, INC. CENTURYTEL OF NORTHERN MICHIGAN, INC. CENTURYTEL OF NORTHERN WISCONSIN, LLC CENTURYTEL OF NORTHWEST ARKANSAS, LLC – RUSSELLVILLE CENTURYTEL OF NORTHWEST ARKANSAS, LLC – SILOAM SPRINGS CENTURYTEL OF NORTHWEST WISCONSIN, LLC CENTURYTEL OF REDFIELD, INC. CENTURYTEL OF SOUTH ARKANSAS, INC.	\$141.12
CENTURYTEL OF ADAMSVILLE, INC. CENTURYTEL OF CENTRAL INDIANA, INC. CENTURYTEL OF FAIRWATER-BRANDON-ALTO, LLC CENTURYTEL OF FORESTVILLE, LLC CENTURYTEL OF LAKE DALLAS, INC. CENTURYTEL OF LARSEN-READFIELD, LLC CENTURYTEL OF ODON, INC. CENTURYTEL OF OOLTEWAH-COLLEGE DALE, INC. CENTURYTEL OF PORT ARANSAS, INC. CENTURYTEL OF SOUTHERN WISCONSIN, LLC CENTURYTEL OF UPPER MICHIGAN, INC. CENTURYTEL OF MIDWEST WISCONSIN (WAYSIDE)	N/A

* The Dial-Up option requires the customer to purchase the Controller Arrangement from Section 13.3.4, preceding.

** An additional Non-Competitive EUCT charge will apply whenever a spare channel is configured as a leg to the customer designated premises.

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17. Rates and Charges (Cont'd)17.4 Other Services17.4.1 Access Ordering

	Switched Access Charge *	Special Access Non-Competitive End User Channel Termination (EUCT) Charge	Tariff Reference
(A) <u>Access Order Charge</u> Per order	\$48.50	\$97.00	5.4.1
(B) <u>Service Date Change Charge</u> * A Service Date Change Charge will apply, on a per order per occurrence basis, for each service date changed. The Access Order Charge as specified in 17.4.1(A) preceding does not apply. The applicable charge is: Service Date Change Charge, per order	\$22.00	\$44.00	5.4.3
(C) <u>Design Change Charge</u> * The Design Change Charge will apply on a per order per occurrence basis, for each order requiring design change. The applicable charge is: Design Change Charge, per order	\$22.00	\$44.00	5.4.3
(D) <u>Miscellaneous Service Order Charge</u> * Per Occurrence	\$22.00	\$44.00	5.4.2
(E) <u>Expedited Order Charge</u> -Per Access Order, Per Business Day		Charge \$400.00	5.1.2

* 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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17. Rates and Charges (Cont'd)17.4 Other Services (Cont'd)17.4.2 Additional Engineering

<u>Additional Engineering Periods</u>		<u>Each Half Hour or Fraction Thereof</u>	<u>Tariff Section Reference</u>
(A)	Basic Time per engineer normally scheduled working hours	\$27.19	13.1
(B)	Overtime per engineer outside of normally scheduled working hours	\$40.79	13.1
(C)	Premium Time outside of scheduled work day per engineer	\$54.38	13.1

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17. Rates and Charges (Cont'd)17.4 Other Services (Cont'd)17.4.3 Additional Labor

<u>Additional Labor Periods</u>	<u>Each Half Hour or Fraction Thereof</u>	<u>Tariff Section Reference</u>
(A) Installation or Repair		
- Overtime, outside of normally scheduled working hours on a scheduled work day, per technician	\$32.90*	13.2.1 & 13.2.2
- Premium Time, outside of schedule work day, per technician	\$43.86*	13.2.1 & 13.2.2
(B) Stand by		
- Basic time, normally scheduled working hours, per technician	\$21.67*	13.2.3
- Overtime, outside of normally scheduled working hours on a scheduled work day, per technician	\$32.51*	13.2.3
- Premium Time, outside of scheduled work day, per technician	\$43.34*	13.2.3

* 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.

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ACCESS SERVICE

17. Rates and Charges (Cont'd)17.4 Other Services (Cont'd)17.4.3 Additional Labor (Cont'd)Additional Labor Periods

		<u>Each Half Hour or Fraction Thereof</u>		
	<u>All Companies Incl'd Herein</u>	<u>Installation and Repair Technician</u>	<u>Central Office Maintenance Technician</u>	<u>Tariff Section Reference</u>
(C)	Testing and Maintenance with other Telephone Companies, or Other Labor			
-	Basic Time per technician normally scheduled working hours	\$21.93	\$21.93	13.2.4 & 13.2.25
-	Overtime per technician outside of normally scheduled working hours on a scheduled work day	\$32.90*	\$32.90*	13.2.4 & 13.2.5
-	Premium Time per technician outside of scheduled work day	\$43.86*	\$43.86*	13.2.4 & 13.2.5

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ACCESS SERVICE

17. Rates and Charges (Cont'd)17.4 Other Services (Cont'd)17.4.4 Miscellaneous Services(A) Additional Cooperative Acceptance Testing – Switched Access

<u>Testing Periods</u>	<u>Each Half Hour or Fraction Thereof</u>	<u>Tariff Section Reference</u>
Basic Time, Overtime* and Premium Time*	See the rates for Additional Labor as set forth in 17.4.3(C) preceding.	13.3.1(A)(1)

(B) Additional Automatic Testing – Switched AccessTo First Point of Switching

Additional Tests	Per Test, Per Transmission Path	Tariff Section Reference
Gain-Slope Test	\$2.89	13.3.1(A)(2)
C-Notched Noise Tests		
1004 Hz Loss**		
C-Message Noise**		
Balance (return loss)**		

* 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.

** 1004 Hz Loss, C-Message Noise and Balance are non-chargeable routine tests, however, they may be requested on an as needed or more than routine scheduled basis, in which case the charges herein apply.

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17. Rates and Charges (Cont'd)17.4 Other Services (Cont'd)17.4.4 Miscellaneous Services (Cont'd)(C) Additional Manual Testing – Switched AccessTo First Point of Switching

Additional Tests

Gain-Slope
C-Notched Noise and
Any other agreed to
Tests, per technician

Each Half Hour
or Fraction
Thereof

See the rates
for Additional
Labor as set
forth in 17.4.3(C)
preceding.

Tariff
Section
Reference

13.3.1(A)(3)

(D) Additional Cooperative Acceptance Testing –Special AccessTesting Periods

Basic Time, Overtime*
and Premium Time*

Each Half Hour
or Fraction
Thereof

See the rates
for Additional
Labor as set
forth in 17.4.3(C)
preceding.

Tariff
Section
Reference

13.3.1(B)(1)

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17. Rates and Charges (Cont'd)17.4 Other Services (Cont'd)17.4.4 Miscellaneous Services (Cont'd)(E) Additional Manual Testing – Special Access

<u>Testing Periods</u>	<u>Each Half Hour or Fraction Thereof</u>	<u>Tariff Section Reference</u>
Basic Time, Overtime* and Premium Time*	See the rates for Additional Labor as set forth in 17.4.3(C) preceding.	13.3.1(B(2))

(F) Maintenance of Service

<u>Maintenance of Service Periods</u>	<u>Each Half Hour or Fraction Thereof</u>	<u>Tariff Section Reference</u>
Basic Time, Overtime* and Premium Time*	See the rates for Additional Labor as set forth in 17.4.3(C) preceding.	13.3.2

* 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.

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ACCESS SERVICE

17. Rates and Charges (Cont'd)17.4 Other Services (Cont'd)17.4.4 Miscellaneous Services (Cont'd)(G) Telecommunications Service Priority

	<u>Nonrecurring Charge</u>	<u>Tariff Section Reference</u>
Per service arranged	\$54.63	13.3.3

(H) Controller Arrangement

	<u>Monthly Rate</u>	
Per Arrangement	\$100.00	13.3.4(A)

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17. Rates and Charges (Cont'd)17.4 Other Services (Cont'd)17.4.4 Miscellaneous Services (Cont'd)(I) Presubscribed Interexchange Carrier (PIC) Change Charge*

Per Telephone Exchange Service Line or Trunk for each InterLATA PIC Change		Nonrecurring Charge		Tariff Section Reference
		Upper Midwest Only	All Other Companies	
(1)	Submitted using manual methods	\$5.50	\$5.50	13.4(J)
(2)	Submitted using electronic method	1.25	1.25	
(3)	Submitted using manual methods when both the InterLATA and IntraLATA PIC selections are changed simultaneously	2.02	2.75	
(4)	Submitted using electronic methods when both the InterLATA PIC and IntraLATA PIC selections are changed simultaneously	0.46	0.63	

- * This charge is generally billed to the end user who is the subscriber to the Telephone Exchange Service. In those instances where the IC both requests the PIC change, and requests the associated charge be billed to it, the Telephone Company will bill the IC. In the event the subscriber is incorrectly presubscribed due to misassignment on the part of the Telephone Company, no charge shall apply. In the event the subscriber denies requesting a PIC change, the Telephone Company will credit the subscriber's account for the PIC Change Charge associated with the alleged unauthorized change, if such charge was billed to the subscriber. The Telephone Company will then bill the IC responsible for the alleged unauthorized change, a PIC Change Charge to return the subscriber to its previous authorized carrier, and, if initially billed to the subscriber, the PIC Change Charge for the alleged unauthorized change.

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17. Rates and Charges (Cont'd)17.4 Other Services (Cont'd)17.4.4 Miscellaneous Services (Cont'd)(J) Blocking Service^{[1][2]}

	<u>Nonrecurring Charge</u>	<u>Tariff Section Reference</u>
- Per exchange service line, or trunk and/or per Feature Group A Switched Access Line	\$5.60	13.8

(K) Billing Name and Address Service

- Per BNA Order	\$50.94	13.9.4(A)
- Per BNA Record	\$0.33	13.9.4(A)
- Optional Format Programming Charge Per each half hour or fraction thereof	\$37.20	13.9.4(C)

(L) Original Line Screening (OLS) Service

- Per exchange service line	\$7.95	13.10
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(M) Coin Supervision Additive Service

	<u>Monthly Rate</u>	
- Per exchange service line	\$2.21	13.12

^[1] Blocking access to 900 Service is offered to all subscribers at no charge when telephone service is established at a new number and for 50 days thereafter.

^[2] This flat rated charge was calculated based upon a 50/50 split between originating and terminating elements. 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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17. Rates and Charges (Cont'd)17.4 Other Services (Cont'd)17.4.4 Miscellaneous Services (Cont')(N) Reserved For Future Use(O) Local Number Portability Query Service

Type of Query	Per Query	
	End Office	Tandem Office
Pearranged LNP Query	\$0.003726	\$0.003726
Default LNP Query		

(P) Provision of Access Service Billing Information- Additional copies of the customer's monthly bill

- per copy per Billing Account Number in paper format

<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
\$60.00	\$60.00

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17. Rates and Charges (Cont'd)17.4 Other Services (Cont'd)17.4.5 Special Federal Government Access Services(A) Voice Grade Secure Communications

	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	<u>Termination Charges</u>
Type I, each T-3 Conditioning,	ICB	ICB	ICB
Additional Conditioning, per service termination	ICB	ICB	ICB
Type II, each G-1 Conditioning,	ICB	ICB	ICB
Type III, each G-2 Conditioning,	ICB	ICB	ICB
Additional Conditioning, per service termination	ICB	ICB	ICB
Type IV, each G-3 Conditioning	ICB	ICB	ICB
Additional Conditioning, per service termination	ICB	ICB	ICB

(B) Reserved For Future Use(C) Government Emergency Telecommunications Service
(GETS)

<u>Company Name</u>	<u>Wire Center</u>	ARC		HPC	
		<u>MO</u>	<u>NRC</u>	<u>MO</u>	<u>NRC</u>

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17. Rates and Charges (Cont'd)

17.4 Other Services (Cont'd)

17.4.6 Special Facilities Routing of Access Services

(A) Diversity

For each service provided in accordance with 11.1.1 preceding, the rates and charges will be developed on an individual case basis.

(B) Avoidance

For each service provided in accordance with 11.1.2 preceding, the rates and charges will be developed on an individual case basis.

(C) 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.

(D) Cable-Only Facilities

For each service provided in accordance with 11.1.4 preceding, the rates and charges will be developed on an individual case basis.

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