

ACCESS SERVICE TARIFF

CENTRAL TELEPHONE COMPANY
d/b/a CenturyLink
NORTH CAROLINA

Tariff NCUC No. 1
4th Revised Title Page 1
Cancels 3rd Revised Title Page 1
EFFECTIVE: July 1, 2021

(T)

Effective July 31, 2009, Central Telephone Company registered the fictitious name CenturyLink. Effective October 19, 2009 Central Telephone Company d/b/a Embarq, began operating under the name CenturyLink. As such, Central Telephone Company d/b/a CenturyLink hereby adopts, ratifies and makes its own, in every respect as if the same had been originally filed by it, all schedules, rules, notices, concurrences, schedule agreements, division, authorities or other instruments whatsoever, filed with the North Carolina Utilities Commission, State of North Carolina, by or adopted by Central Telephone Company d/b/a Embarq between June 5, 2006 and October 18, 2009.

By this notice, Central Telephone Company d/b/a CenturyLink also adopts and ratifies all supplements or amendments to any of the above schedules, etc., which Central Telephone Company has heretofore filed with said Commission.

Regulations, Rates and Charges
applicable to Access Services provided by
Central Telephone Company - North Carolina
for connection to intrastate communications facilities
for Customers within the operating territories of
Central Telephone Company - North Carolina

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

Issued by:
Director – **Government Operations**
CenturyLink
100 CenturyLink Drive
Monroe, Louisiana 71203

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ACCESS SERVICE TARIFF

CENTRAL TELEPHONE COMPANY
NORTH CAROLINA

Tariff NCUC No. 1
Twenty-Ninth Revised Page 1
Cancels Twenty-Eighth Revised Page 1
EFFECTIVE: November 16, 1999

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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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(M) Material now appearing on this page previously appeared on Page 16.

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Ninth Revised Page 4
Cancels Eighth Revised Page 4
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EXPLANATION OF SYMBOLS

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

EXPLANATION OF ABBREVIATIONS

ac	-	Alternating Current
ANI	-	Automatic Number Identification
AULP	-	Annual Underutilization Liability Per Pair
ASR	-	Access Service Request
AT&T	-	American Telephone and Telegraph Company
CCSA	-	Common Control Switching Arrangement(s)
CCS/SS7	-	Common Channel Signaling/Signaling System 7
CCLI	-	Common Language Location Identification
CNCC	-	Customer Network Control Center
COCTX	-	Central Office Centrex
Cont'd	-	Continued
CSACC	-	Customer Service Administration Control Center
Ctx	-	Centrex
DA	-	Digital Data Access
dB	-	decibel
dBrnCO	-	Decibel Reference Notice C-Message Weighted 0
dc	-	direct current
EML	-	Expected Measured Loss
ESS	-	Electronic Switching System
ESSX	-	Electronic Switching System Exchange
EUCL	-	End User Common Line
f	-	frequency
FCC	-	Federal Communications Commission
FX	-	Foreign Exchange
GAR	-	Geographically Aggregated Rate
HC	-	High Capacity
Hz	-	Hertz
IC	-	Interexchange Carrier
ICB	-	Individual Case Basis
ILP	-	Initial Liability Period

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Cancels Twelfth Revised Page 5
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EXPLANATION OF ABBREVIATIONS
(Cont'd)

kbps	-	Kilobits Per Second
kHz	-	kilohertz
LATA	-	Local Access Transport Area
LDMTS	-	Long Distance Message Telecommunications Service(s)
LIDB	-	Line Information Data Base
Ma	-	milliamperes
Mbps	-	Megabits per second
Mhz	-	Megahertz
MOU	-	Minutes of Use
MRC	-	Monthly Recurring Charge
MTL	-	Maximum Termination Liability
MTS	-	Message Telecommunications Service(s)
MTS/WATS	-	Message Telecommunications Service and/or Wide Area Telecommunications Service
NPA	-	Numbering Plan Area
NRC	-	Nonrecurring Charge
NTS	-	Non-Traffic Sensitive
NXX	-	Three Digit Central Office Code
OPC	-	Originating Point Code
OSS	-	Operator Service System
PBX	-	Private Branch Exchange
PCM	-	Pulse Code Modulation
PLR	-	Private Line Ringdown
PSTN	-	Public Switched Telephone Network
PVU	-	Percent VoIP Usage
RC	-	Rate Category
rms	-	root-mean-square
SCP	-	Service Control Point
SS7	-	Signaling system 7
SSN	-	Switched Service Network
STP	-	Signal Transfer Point
SWC	-	Serving Wire Center
TDM	-	Time Division Multiplexing
TES	-	Telephone Exchange Service(s)
TSP	-	Telecommunications Service Priority
USOC	-	Uniform Service Order Code
VG	-	Voice Grade
V&H	-	Vertical & Horizontal
VoIP	-	Voice over Internet Protocol
WATS	-	Wide Area Telecommunication Service(s)
WCH	-	Wire Center Horizontal
WCV	-	Wire Center Vertical

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15th Revised Page 6
Cancels 14th Revised Page 6
EFFECTIVE: June 3, 2011

REFERENCE TO OTHER TARIFFS

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

The following tariffs and technical publications are referenced in this tariff and may be obtained from the National Exchange Carrier Association, Inc., Director – Access Tariffs, 100 So. Jefferson Road, Whippany, New Jersey 07981, or the Federal Communications Commission’s commercial contractor:

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

National Exchange Carrier
Association, Inc.
Access Service
Tariff F.C.C. No. 5

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

The following tariff is referenced in this tariff and may be obtained from CenturyLink, Director – Regulatory Operations, 5454 West 110th Street, Overland Park, Kansas 66211
(<http://www.centurylink.com/tariffs>) or the Federal Communications Commission’s commercial contractor:

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CenturyLink Operating Companies
Access Service
Tariff F.C.C. No. 9

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Fifth Revised Page 7
Cancels Fourth Revised Page 7
EFFECTIVE: October 22, 2001

REFERENCE TO OTHER PUBLICATIONS

(T)

The following publications are referenced in this tariff and may be obtained from the Alliance for Telecommunications Industry Solutions (ATIS), OBF Document orders, 1200 G Street, N.W., Suite 500, Washington, DC, 20015, Voice 1-800-387-2199, Facsimile 202-383-5453 (<http://www.atis.org>).

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ATIS/OBF-MECAB-006
Multiple Exchange Carrier Access Billing (MECAB) Guidelines
Issued: February 1998

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SR STS-002643
Multiple Exchange Carriers Ordering and Design (MECOD)
Issued: February 1996

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The following technical publications are referenced in this tariff and may be obtained from Telcordia Technologies, Inc. [formerly Bell Communications Research, Inc. (Bellcore)], 8 Corporate Place, Piscataway, New Jersey, 08854-41156 (<http://www.telcordia.com>).

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Data Communications Using Voiceband Private Line Channels
Document Number MDP-326-584
Issue Number 01
Issued: October 1973
Replaces PUB 41004

Digital Data System Channel Interface Specification
Document Number MDP-326-726
Issue Number 01
Issued: September 1983
Replaces PUB 62310

High Capacity Digital Special Access Service Transmission
Parameter Limits and Interface Combinations
Document Number GR-342
Issue Number 01
Issued: December 1995
Replaces PUB 62508 and TR-INS-000342

DS1 High-Capacity Digital Service End User Metallic Interface Specifications
Document Number GR-54
Issue Number 01
Issued: December 1995
Replaces PUB 62411 and TR-NPL-000054

Telcordia Technologies Specification of Signaling System Number 7
Document Number GR-246
Issue Number 05
Issued: December 2000
Replaces TR-NPL-000246

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REFERENCE TO OTHER PUBLICATIONS (Cont'd)

Voice Grade Switched Access Service with Tandem Signaling: Transmission
Parameter Limits and Interface Combinations
Document Number GR-3334
Issue Number 01
Issued: November 1994
Replaces PUB 62500, TR-NPL-000334 and TR-NWT-000334

Voice Grade Special Access Service – Transmission Parameter Limits and
Interface Combinations
Document Number TR-NWT-000335
Issue number 03
Issued: May 1993
Replaces PUB 62501, TR-NPL-000335 and TR-TSY-000335

Digital Data Special Access Service – Transmission Parameter Limits and
Interface Combinations
Document Number TR-NWT-000341
Issue Number 02
Issued: February 1993
Replaces PUB 62310, PUB 62507 and TR-NPL-000341

Common Channel Signaling Network Interface Specifications (CCSNIS) Supporting
Network Interconnection, Message Transfer Part (MTP) and Integrated Services Digital
Network User Part (ISDNUP)
Document Number GR-905
Issue Number 04
Issued: December 2000
Replaces TR-TSV-000905

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REFERENCE TO OTHER PUBLICATIONS (Cont'd)

Common Channel Signaling (CCS) Network Interface Specifications (CCSNIS)
Supporting Line Information Database (LIDB) Service
Document Number GR-954
Issued: December 2000
Replaces: TR-TSV-000954

Operator Services Systems Generic Requirements (OSSGR)
Document Number FR-271
Issued Number 000
Issue Date April 2000
Replaces TR-TSY-000271

Voice Grade Special Access Service – Transmission Parameter Limits and
Interface Combinations
Document Number TR-NWT-000335
Issue Number 03
Issue Date May 1993
Replaces TR-TSY-000335

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CENTRAL TELEPHONE COMPANY
NORTH CAROLINA
d/b/a CENTURYLINK

Section 1
Seventh Revised Page 22
Cancels Sixth Revised Page 22 (T)
EFFECTIVE: July 2, 2013

ACCESS SERVICE (T)

1. Application of Tariff

1.1 This Tariff contains regulations, rates and charges applicable to the provision of InterLATA Carrier Common Line, User Access, Switched Access and Special Access Services, and other miscellaneous services, hereinafter referred to as service(s), provided by Central Telephone Company, hereinafter referred to as the Telephone Company, to Interexchange Carriers (IC) and Local Exchange Carriers (LEC) authorized by the North Carolina Utilities Commission to provide Intrastate-InterLATA telecommunications service, , hereinafter referred to as customer(s) and LEC(s) respectively. Regulations, rates and charges applicable to the provision of IntraLATA Access Service and Wide Area Call Reception Service are found in the North Carolina Industry Access Tariff. (D)

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

1.3 Reserved for Future Use (C)

1.4 Reserved for Future Use (C)

1.5 At the present time the Telephone Company's billing system is not capable of providing Billing and Collection Services to holders of COCOT certificates.

1.6 Reserved for Future Use (D)

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ACCESS SERVICE TARIFF

CENTRAL TELEPHONE COMPANY
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Second Revised Contents Page 1
Cancels First Revised Contents Page 1
EFFECTIVE: December 30, 2011

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2. GENERAL REGULATIONS

2.1 UNDERTAKING OF THE TELEPHONE COMPANY

2.1.1 SCOPE

- (A) The Telephone Company will provide services under this Tariff only to customers in connection with their use and/or provision of Intrastate Communications Service.
- (B) The Telephone Company does not undertake to transmit messages under this Tariff.
- (C) The Telephone Company shall be responsible only for the installation, operation and maintenance of the services that it provides. (T)
- (D) The Telephone Company will, for maintenance purposes, test its services only to the extent necessary to clear troubles.
- (E) Services are provided twenty-four (24) hours per day, seven (7) days per week unless otherwise stated. (T)

2.1.2 LIMITATIONS

- (A) The use and restoration of services shall be in accordance with Part 64, Subpart D, Appendix A, of the FCC's Rules and Regulations, which specifies the priority system for such activities.
- (B) Subject to compliance with the above-mentioned rules, the services offered herein will be provided to Customers on a first-come, first-served basis. The Telephone Company will use service order dates to determine service provision priority.

2.1.3 LIABILITY

- (A) The Telephone Company's liability for damages for its willful misconduct, if any, is not limited by this tariff. The Telephone Company's liability, if any, to a Customer or to others for damages arising from the furnishing of or the failure to furnish service or facilities, including but not limited to errors, interruptions, breakdowns, or other defects, whether caused by act or omission, shall be limited to the allocable charges for the service or facilities for the period affected, and shall be further limited under the provisions of Sections 2.1.3(B) through (H), where applicable. The Telephone Company's responsibility if any, to pay amounts otherwise due as a Credit Allowance for a Service Interruption under this tariff, is not affected by this limitation of liability. (T)

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2. GENERAL REGULATIONS

2.1 UNDERTAKING OF THE TELEPHONE COMPANY (Cont'd)

2.1.3 LIABILITY (Cont'd)

- (B) The Telephone Company is not liable for any special, incidental or consequential damages, or for commercial loss of any kind, whether or not it has been informed of the possibility of such damages.
- (C) The Telephone Company is not liable for physical damage to a Customer's designated premises resulting from the furnishing of a service, including the installation and removal of equipment and associated wiring, unless the damage is caused solely by the Telephone Company's negligence.
- (D) 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 the services so provided to that Customer.
- (E) 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.
- (F) The Telephone Company's failure to provide or maintain services under this tariff shall be excused by labor difficulties, governmental orders, civil commotions, acts of God and other circumstances beyond the Telephone Company's reasonable control.
- (G) The Telephone Company is not liable for any special, incidental, or consequential damages, or for commercial loss of any kind, whether or not it has been informed of the possibility of such damages.
- (H) The Telephone Company will make reasonable efforts to cure any material failure to provide service caused solely by Year 2000 defects in Telephone Company hardware, software, or systems. Due to the interdependence among telecommunications providers and the interrelationship with non-Telephone Company processes, equipment and systems, the Telephone Company is not responsible for failures caused by circumstances beyond its control including, but not limited to, failures caused by:
 - (1) The Customer;
 - (2) Other telecommunications providers; or
 - (3) Customer premises equipment.

In addition, the Telephone Company does not ensure compatibility between Telephone Company and non-Telephone Company services used by the Customer.

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ACCESS SERVICE

2. General Regulations (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

2.1.4 Provision of Services

The provision of all services under this tariff is dependent in all situations on the availability of Telephone Company plant and equipment.

2.1.5 Installation and Termination of Services

The services provided under this tariff (A) will include any entrance cable within a building necessary to terminate the services at points, selected by the Customer, reasonably situated so as to serve the Customer's premises and (B) will be installed by the Telephone Company to such points of termination. Wiring to apparatus or facilities of the Customer shall be furnished by the Customer from such points of termination.

2.1.6 Maintenance of Services

The services provided under this tariff shall be maintained by the Telephone Company. The Customer or others may not, except with the prior written consent of the Telephone Company, 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.

2.1.7 Changes and Substitutions

Except as provided for equipment and systems subject to FCC Part 68 regulations, the Telephone Company may, where such action is reasonably required in the operation of its business, (A) substitute, change or rearrange any facilities used in providing service under this tariff, including but not limited to, (1) substitution of different metallic facilities, (2) substitution of carrier or derived facilities for metallic facilities used to provide other than metallic facilities and (3) substitution of metallic facilities for carrier or derived facilities used to provide other than metallic facilities; (B) change minimum network protection criteria; (C) change operating or maintenance characteristics of facilities; or (D) change operation or procedures of the Telephone Company. In case of any such substitution, change or rearrangement, the facility parameters will be within the ranges set forth in Sections 4 and 5. 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 a substitution, change or rearrangement materially affects the operating characteristics of the facility, the Customer will be given adequate notice 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 minimize any disruption caused or changes made necessary by changes in service.

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Tariff NCUC No. 1
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EFFECTIVE: May 1, 2019

2. GENERAL REGULATIONS

2.1 UNDERTAKING OF THE TELEPHONE COMPANY (Cont'd)

2.1.8 DISCONTINUANCE AND REFUSAL OF SERVICE

If the Customer fails to comply with the provisions set forth in this tariff or fails to make any payment to be made by it on the dates and times herein specified, including the payment of a disputed amount, the Telephone Company may, on thirty (30) days written notice **by mail or by email if the customer is billed electronically or consents to receiving electronic notification** to the person designated by that Customer to receive notices of noncompliance:

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(C)

- a. Refuse additional applications for service and/or refuse to complete any pending orders for service; and/or
- b. Discontinue the provision of the services involved. In the case of such discontinuance, all applicable charges shall become due as if that Customer had cancelled service.

If the Telephone Company does not refuse additional applications for service on the date specified in the thirty (30) day notice given pursuant to (a) above, or does not discontinue the provision of the services involved on the date specified in the thirty (30) days' notice given pursuant to (b) above, and that Customer's noncompliance continues, the Telephone Company shall have the right to refuse additional applications for service or to discontinue service without further notice.

2.1.9 LIMITATION OF USE OF METALLIC FACILITIES

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

ACCESS SERVICE

2. General Regulations (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

2.1.10 Rights to Telephone Numbers

The Telephone Company reserves the right to assign, designate or change telephone numbers or change the central office prefixes associated with telephone numbers assigned to Customers as is reasonably necessary in the conduct of Telephone Company business. Written notice of any change will be given to the Customer ninety (90) days in advance of the change. Where extenuating circumstances do not permit notice to be given ninety (90) days in advance, the Telephone Company will give notice within a reasonable period of time as circumstances permit. The notice will contain an explanation of the reasons for the change.

2.1.11 Representations

The Telephone Company does not represent that its facilities will meet standards other than those set forth in Sections 4, 5, and 6 of this tariff.

2.2 Use

2.2.1 Interference or Impairment

- (A) The characteristics and methods of operation of any circuits, facilities or equipment provided by other than the Telephone Company 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 or its affiliated companies, cause damage to plant, impair the privacy of any communications carried over facilities or create hazards to employees of the Telephone Company or its affiliated companies or to the public.
- (B) Except as provided for equipment or systems subject to the FCC Part 68 rules, if such characteristics or methods of operation are not in accordance with Section 2.2.1(A), the Telephone Company will, where practicable, notify the Customer that temporary discontinuance of the use of a service may be required; however, where prior notice is not practicable, nothing contained herein shall be deemed to preclude the Telephone Company from temporarily discontinuing the use of a service if such action is reasonable under the circumstances. In case of such temporary discontinuance, the Customer will be promptly notified and afforded the opportunity to correct the condition which gave rise to the temporary discontinuance.

ACCESS SERVICE

2. General Regulations (Cont'd)

2.2 Use (Cont'd)

2.2.2 Unlawful Use

The services provided under this tariff shall not be used unlawfully or for any unlawful purpose.

2.3 Obligations of the Customer

2.3.1 Damages and Indemnification

(A) The Customer shall reimburse the Telephone Company for damages to the Telephone Company facilities utilized to provide services under this tariff caused by the negligence or willful act of the Customer, its agents, employees, officers, directors, invitees, guests, customers, and others using the services provided to the Customer by the Telephone Company, or resulting from improper use of the Telephone Company facilities by the Customer, its agents, employees, officers, guests, customers, and others using the services provided to the Customer by the Telephone Company, 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.

(B) The Telephone Company shall be indemnified, defended and held harmless by the IC or End User against any claim, loss or damage arising from the use of services offered under this tariff. This obligation to indemnify, defend and hold harmless shall attach to the IC or the End User separately, and each shall be responsible for its own acts and omissions, including:

- (1) Claims for libel, slander, invasion of privacy, or infringement of copyright arising from any communications;

ACCESS SERVICE

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.1 Damages and Indemnification (Cont'd)

- (2) Claims for patent infringement arising from combining or using the service furnished by the Telephone Company in connection with facilities or equipment furnished by the End User or IC; or
- (3) All other claims arising out of any act or omission of the End User or IC in the course of using services provided pursuant to this tariff.

Notwithstanding the other provisions of this Section 2.3.1(B), the Telephone Company shall be indemnified, defended and held harmless by the Customer from any and all claims by any person relating to the Customer's use of services provided under this tariff.

2.3.2 Return of Facilities

Facilities provided by the Telephone Company to the possession or control of a Customer shall be returned by that Customer at its expense to the Telephone Company, upon request, within a prompt period of time following the request in as good a condition as when initially provided, reasonable wear and tear excepted.

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 services or facilities of the Telephone Company.

2.3.4 Availability for Testing

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

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First Revised Page 30
Cancels Original Page 30
EFFECTIVE: November 9, 1999

2. GENERAL REGULATIONS (T)

2.3 OBLIGATIONS OF THE CUSTOMER (Cont'd) (T)

2.3.5 BALANCE (T)

All signals for transmission over the services provided under this tariff shall be delivered by the Customer balanced to ground except for loop and duplex (DX) type signaling. (D)
(D)

2.3.6 DESIGN OF CUSTOMER SERVICES (T)

Subject to the provisions of Section 2.1.7, 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.

2.3.7 REFERENCES TO THE TELEPHONE COMPANY (T)

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

2.3.8 COORDINATION WITH RESPECT TO NETWORK CONTINGENCIES (T)

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

2.3.9 ASSIGNMENT OR TRANSFER OF SERVICES (T)

The Customer may not assign or transfer the use of services provided under this tariff except, where there is no interruption of use or relocation of the services, such assignment or transfer maybe made to:

- a. another Customer, whether an individual, partnership, association or corporation, provided the assignee or transferee expressly 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 (T)

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CENTRAL TELEPHONE COMPANY
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Tariff NCUC No. 1
4th Revised Page 31
Cancels 3rd Revised Page 31
EFFECTIVE: June 3, 2011

2. GENERAL REGULATIONS

2.3 OBLIGATIONS OF THE CUSTOMER (Cont'd)

2.3.9 ASSIGNMENT OR TRANSFER OF SERVICES (Cont'd)

- b. 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 expressly assumes the unexpired portion of the minimum period and the termination liability applicable to such services, if any. In all cases of assignment or transfer, the written acknowledgment of the Telephone Company is required prior to such assignment or transfer. The acknowledgment will be made within fifteen (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.

2.3.10 CERTIFICATION OF SPECIAL ACCESS SERVICES (LINES) AS INTERSTATE

a. Interstate Classification Requirements

Pursuant to Federal Communications Commission Order FCC 89-224 adopted June 24, 1989 and released July 20, 1989, the jurisdiction for mixed interstate and intrastate Special Access Services will be determined as follows:

If the customer's estimate of the interstate traffic on the service involved constitutes ten percent (10%) or less of the total traffic on that service, the service will be provided in accordance with the applicable rules and regulations of this tariff.

If the customer's estimate of the interstate traffic on the service involved constitutes more than ten percent (10%) of the total traffic on that service, the service will be provided in accordance with the applicable rules and regulations of the CenturyLink Operating Companies Tariff F.C.C. No. 9.

(T)
(T)

b. Certification Requirements

When a customer orders a Special Access Service under this tariff the customer shall certify, in its order, that the Special Access Service carries interstate traffic and the interstate traffic is less than ten percent (10%) of the total traffic carried on the Special Access Service.

Existing customers of Mixed Use Special Access Service as of May 1, 1990 will be required to certify the jurisdiction of each Special Access line. Implementation of changes in jurisdictional use of the line indicated by customers of Mixed Use Special Access Service will be completed via an Access Service Request (ASR).

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(T)

2. GENERAL REGULATIONS

2.3 OBLIGATIONS OF THE CUSTOMER (Cont'd)

2.3.10 CERTIFICATION OF SPECIAL ACCESS SERVICE (LINES) AS INTERSTATE (Cont'd)

c. Verification Information

If a billing dispute arises or a regulatory commission questions the customer certification, the Telephone Company will ask the customer to provide the data the customer uses to determine the jurisdiction of each Special Access line. The customer shall supply the data within thirty (30) days of the Telephone Company request. The customer shall keep records of system design and functions from which the jurisdiction of each Special Access line can be determined and upon request of the Telephone Company make the records available for inspection as reasonably necessary for purpose of verification of the jurisdiction of each Special Access line.

d. Nonrecurring Charges and Penalties

Customers of Mixed Use Special Access Service will not incur a nonrecurring charge in accordance with Section 5.4.1c. following of this Tariff nor any penalty for changes made to jurisdictional use of the line.

2.3.11 JURISDICTIONAL REPORT REQUIREMENTS

a. Percent Interstate Usage (PIU)

(1) Pursuant to Federal Communications Commission Order FCC 85-145 adopted April 16, 1985, interstate usage is to be developed as though every call that enters a customer network from a calling location at a point within the same state as that in which the called station (as designated by the called station number) is situated is an intrastate communication and every call for which the point of entry is in a state other than that where the called station (as designated by the called station number) is situated is an interstate communication. 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 communication even if the call is routed through another state.

(2) When the Telephone Company has measurement capability to provide the data to determine the jurisdiction of the usage, the Telephone Company will determine the jurisdiction of the usage. In those instances where the Telephone Company cannot determine the jurisdiction, the projected interstate percentages will be used by the Telephone Company to apportion the usage between interstate and intrastate until a revised report is received as set forth in b.(7) following.

(N)
|
(N)

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d/b/a CENTURYLINK

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Cancels 6th Revised Page 31.2

(T)

2. GENERAL REGULATIONS

2.3 OBLIGATIONS OF THE CUSTOMER (Cont'd)

2.3.11 JURISDICTIONAL REPORT REQUIREMENTS (Cont'd)

b. Jurisdictional Reports

When the Telephone Company receives sufficient call detail to permit it to determine the jurisdiction of originating and terminating access minutes of use, the Telephone Company will bill the minutes of use according to that jurisdiction and will not use the customer provided PIU factors provided as set forth in (1) through (10) following.

(C)

(D)

(D)

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1st Revised Page 31.2.1
Cancels Original Page 31.2.1
EFFECTIVE: December 24, 2009

2. GENERAL REGULATIONS

2.3 OBLIGATIONS OF THE CUSTOMER (Cont'd)

2.3.11 JURISDICTIONAL REPORT REQUIREMENTS (Cont'd)

b. Jurisdictional Reports (Cont'd)

(D)

(D)

For all other minutes of use for which the Telephone Company receives insufficient call detail to determine the jurisdictions, the Telephone Company will apply the customer's projected PIU factor, provided as set for in (1) through (10) following, to apportion the usage between interstate and intrastate.

- (1) When a customer orders Feature Group A, Feature Group B, 500 Access Service and/or Toll Free Code (TFC) Access Service, the customer shall state in its order the projected interstate percentage for interstate usage for each Feature Group A, Feature Group B, 500 Access Service and/or TFC Access Service ordered. If the customer discontinues some but not all of the Feature Group A, Feature Group B, 500 Access Service and/or TFC Access Service in a group, it shall provide an updated projected interstate percentage for the remaining services in the group.

Upon employing the 700 Access Code over Feature Group D, the customer must provide a projected interstate percentage for the 700 calls. If the customer fails to provide a 700 projected interstate percentage, a default percentage of 100 percent interstate will be assumed.

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CENTRAL TELEPHONE COMPANY
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Second Revised Page 31.3
Cancels First Revised Page 31.3
EFFECTIVE: November 26, 2001

2. GENERAL REGULATIONS

2.3 OBLIGATIONS OF THE CUSTOMER (Cont'd)

2.3.11 JURISDICTIONAL REPORT REQUIREMENTS (Cont'd)

b. Jurisdictional Reports (Cont'd)

- (2) For single connection arrangements, the interstate Feature Group A, Feature Group B and/or TFC Access Service information reported as set forth in (1) preceding will be used to determine the charges. The number of access minutes (either the measured minutes or the assumed minutes) for a connection will be multiplied by the projected interstate percentage to develop the interstate access minutes. The number of access minutes for the connection minus the developed interstate access minutes for the connection will be the developed intrastate access minutes.
- (3) For multiline hunt group or trunk group arrangements, the interstate Feature Group A, Feature Group B and/or TFC Access Service information reported as set forth in (1) preceding will be used to determine the charges. The number of access minutes (either the measured minutes or the assumed minutes) for a service will be multiplied by the projected interstate percentage to develop the interstate access minutes. The number of access minutes for the service minus the developed interstate access minutes for the service will be the developed intrastate access minutes.
- (4) When a customer orders Feature Group C, Feature Group D, TFC or 900 Access Service(s), the projected interstate percentage will be determined as set forth in (a) through (c) following:
 - (a) For originating Feature Group C and originating Feature Group D used in the provision of MTS/MTS-like service, the Telephone Company will determine the projected interstate percentage of use from the call detail.
 - (b) For terminating Feature Group C used in the provision of MTS/MTS-like service, and terminating Feature Group C used in the provision of 900 service, the projected interstate percentage of use will be determined through the application of terminating to originating (T/O) factors as set forth in Section 4.6.7.

(C)

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First Revised Page 31.4
Cancels Original Page 31.4
EFFECTIVE: January 2, 2001

2. GENERAL REGULATIONS

2.3 OBLIGATIONS OF THE CUSTOMER (Cont'd)

2.3.11 JURISDICTIONAL REPORT REQUIREMENTS (Cont'd)

b. Jurisdictional Reports (Cont'd)

(T)

(4) When a customer ... (Cont'd)

(T) (M)

(c) For terminating Feature Group D used in the provision of MTS/MTS-like service, terminating Feature Group D used in the provision of 900 service, originating Feature Group C and Feature Group D used in the provision of 900 service, and originating and terminating Feature Group D used in the provision of Toll Free Code (TFC) service, the customer shall provide the projected interstate usage percentage in its Access Service Order. In the event the customer fails to provide a projected interstate percentage, the Telephone Company will determine the projected interstate percentage as follows:

For originating access minutes, the projected interstate percentage will be developed on a monthly basis when the Feature Group C or Feature Group D Switched Access Service minutes are measured by dividing the measured interstate originating minutes (the minutes where the calling number is in one state and the called number is in another state) by the total originating minutes when the call detail is adequate to determine the appropriate jurisdiction.

For terminating access minutes, the data used by the Telephone Company to develop the projected interstate percentage for originating access minutes will be used to develop projected interstate percentage for such terminating access minutes.

When originating call details are insufficient to determine the jurisdiction for the call, the prior month's projected interstate percentage shall be used by the Telephone Company as the projected interstate percentage for originating and terminating access minutes. The projected intrastate percentage of use will be obtained by subtracting the projected interstate percentage for originating and terminating access minutes from 100 (i.e., 100 - interstate percentage = intrastate percentage).

(T)

(5) Reserved for Future Use

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(M) Material now appearing on this page previously appeared on Original Page 31.3.

(M1) Material previously appearing on this page now appears on Page 31.5.

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First Revised Page 31.5
Cancels Original Page 31.5
EFFECTIVE: January 2, 2001

2. GENERAL REGULATIONS

2.3 OBLIGATIONS OF THE CUSTOMER (Cont'd)

2.3.11 JURISDICTIONAL REPORT REQUIREMENTS (Cont'd)

b. Jurisdictional Reports (Cont'd) (T)

(6) Except where Telephone Company measured access minutes are used as set forth in (4) preceding, the customer reported number of interstate services or interstate percentage of use as set forth in (1) or (4) preceding will be used until the customer reports a different projected interstate percentage for an in-service end office. When the customer adds or discontinues lines or trunks to an existing end office, the customer shall furnish an updated projected interstate percentage that applies to the end office. The revised report will serve as the basis for future billing and will be effective on the next bill date. No prorating or back billing will be done based on the report. (M) (T)

(7) Effective on the first of January, April, July and October of each year, the customer shall provide a revised jurisdictional 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. The customer shall forward the revised report to the Telephone Company, to be received no later than fifteen (15) days after the first of each such month, (i.e., January, April, July, and October). The revised report will serve as the basis for the next three months billing (i.e., beginning the first of February, May, August, and November) and will be effective on the customer's bill date for that service. No prorating or back billing will be done based on the report. (T)

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 order for service as set forth in (1) and (4) preceding. (M)

(M1)

(M) Material now appearing on this page previously appeared on Original Page 31.4.

(M1) Material previously appearing on this page now appears on Page 31.6.

ACCESS SERVICE TARIFF

CENTRAL TELEPHONE COMPANY
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Tariff NCUC No. 1
First Revised Page 31.6
Cancels Original Page 31.6
EFFECTIVE: January 2, 2001

2. GENERAL REGULATIONS

2.3 OBLIGATIONS OF THE CUSTOMER (Cont'd)

2.3.11 JURISDICTIONAL REPORT REQUIREMENTS (Cont'd)

b. Jurisdictional Reports (Cont'd) (T)

- (8) When a customer orders Common Channel Signaling/Signaling System 7 (CCS/SS7) Interconnection Service, the customer shall provide to the Telephone Company in its order for the service, a CCS/SS7 Interconnection Service Percent Interstate Usage (PIU) Report. (M)

Customers who provide the CCS\SS7 Interconnection Service PIU Report shall supply the Telephone Company with an interstate percentage, of 0 through 100, per Signaling Transfer Point (STP) Port Termination. This STP Port Termination PIU will be an average PIU based upon the jurisdiction (interstate versus intrastate) of those originating end user calls that require use of the specified STP Port Termination for signaling purposes.

The PIU provided by the customer for the STP Port Termination will be used by the Telephone Company to determine the jurisdiction (interstate versus intrastate) of the customer's STP Access Mileage charges.

The CCS/SS7 Interconnection Service PIU must be provided to the Telephone Company upon ordering service, and thereafter, on a quarterly basis. Provisions for updating the interstate and intrastate jurisdictional report as specified in 2.3.11b.(7) preceding will also apply for updating the CCS/SS7 Interconnection Service PIU Report. The Telephone Company will utilize the quarterly CCS/SS7 Interconnection Service PIU Report for the STP Port Termination to update the STP Access Mileage PIU effective on the bill date for the service. (T)

Verification provisions as specified in Section 2.3.11c. following will also apply to the CCS/SS7 Interconnection Service PIU Report. (T) (M)

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(M) Material now appearing on this page previously appeared on Original Page 31.5.

(M1) Material previously appearing on this page now appears on Page 31.7.

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First Revised Page 31.7
Cancels Original Page 31.7
EFFECTIVE: January 2, 2001

2. GENERAL REGULATIONS

2.3 OBLIGATIONS OF THE CUSTOMER (Cont'd)

2.3.11 JURISDICTIONAL REPORT REQUIREMENTS (Cont'd)

b. Jurisdictional Reports (Cont'd) (T)

- (9) When a customer orders Line Information Data Base (LIDB) Access Service, the customer shall in its order provide to the Telephone Company a LIDB Access Service Percent Interstate Usage (PIU) Report. (T) (M)

Customers who provide the LIDB Access Service PIU Report shall supply the Telephone Company with an Interstate Percentage per Origination Point Code (OPC) ordered. The LIDB Access Service PIU will be an average PIU based upon the jurisdiction (interstate versus intrastate) of those originating end user calls for which the Telephone Company LIDB is being queried. (T)

The LIDB Access Service PIU Report must be provided to the Telephone Company upon ordering service, and thereafter, on a quarterly basis. Provisions for updating the interstate and intrastate jurisdictional report are as specified in 2.3.11b.(7) and will also apply for the LIDB Access Service PIU Report. (T) (T)

Verification provisions as specified in 2.3.11b. will also apply for the LIDB Access Service PIU Report. (T) (M)

(10) Entrance Facility and Direct-Trunked Transport

Entrance Facility and Direct-Trunked Transport will be made available on June 24, 1997 in conformance with the restructure of Local Transport. In order to provide these new services on June 24, 1997, customers of Switched Access Services must provide new PIU factors that reflect all Switched Access Services using these restructured facilities.

- (a) When an Entrance Facility is provided for both interstate and intrastate Switched Access, the customer must provide a Switched Access Entrance Facility PIU factor on a serving wire center or study area level. The Entrance Facility PIU must account for all Switched Access originating and terminating usage carried over the Entrance Facility.

(M1)

(M) Material now appearing on this page previously appeared on Original Page 31.6.

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First Revised Page 31.8
Cancels Original Page 31.8
EFFECTIVE: January 2, 2001

2. GENERAL REGULATIONS

2.3 OBLIGATIONS OF THE CUSTOMER (Cont'd)

2.3.11 JURISDICTIONAL REPORT REQUIREMENTS (Cont'd)

b. Jurisdictional Reports (Cont'd)

(T) (M)

(10) Entrance Facility and Direct-Trunked Transport (Cont'd)

(b) When Direct-Trunked Transport is provided for both interstate and intrastate Switched Access, the customer must provide a Switched Access Direct-Trunked Transport PIU factor on a study area level. The Direct-Trunked Transport PIU must account for all Switched Access originating and terminating usage carried over the Direct-Trunked Transport facilities.

(c) If the customer does not provide a Switched Access PIU factor for an Entrance Facility or Direct-Trunked Transport as set forth in (a) and (b) preceding, the Telephone Company will develop a PIU for the Entrance Facility and Direct-Trunked Transport using the most current representative period.

The Entrance Facility and Direct-Trunked Transport PIU Report must be provided to the Telephone Company upon ordering service, and thereafter, on a quarterly basis. Provisions for updating the interstate and intrastate jurisdictional report as specified in 2.3.11b.(7) preceding will also apply for the Entrance Facility and Direct-Trunked Transport PIU Report.

(T)

Verification provisions as specified in 2.3.11c. following will also apply for the Entrance Facility and Direct-Trunked Transport PIU Report.

(T)

(M)

(M1)

(M) Material now appearing on this page previously appeared on Original Page 31.7.
(M1) Material previously appearing on this page now appears on Page 31.8.1

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Original Page 31.8.1
EFFECTIVE: January 2, 2001

2. GENERAL REGULATIONS

2.3 OBLIGATIONS OF THE CUSTOMER (Cont'd)

2.3.11 JURISDICTIONAL REPORT REQUIREMENTS (Cont'd)

c. Jurisdictional Report Verification

(T) (M)

If the Telephone Company disputes the reasonableness of the PIU provided by the customer as set forth in b. preceding, or the reported PIU varies by more than five percentage points over the preceding PIU, the Telephone Company may ask the customer to provide the data used by the customer to determine the projected interstate percentage. The customer shall retain, for a minimum of one year, accurate call detail records from which the percentage of interstate and intrastate use can be derived, and shall make such records available for inspection as reasonably necessary for PIU verification. Such records shall be made available for inspection and audit within 15 days of the Telephone Company's request for verification.

(T)

The Telephone Company shall limit audits to no more than one per year, except where additional audits may be required to verify allocation changes which represent a 5 percent shift from the customer's most recent reported figures, and such change is not the result of seasonal shifts or other identifiable reasons. The customer may request that verification audits be conducted by an independent auditor. In such cases the associated auditing expenses will be paid by the customer.

(T)

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 PIU, the Telephone Company will bill the usage for all the contested periods using the PIU reported by the customer for the previous period. This PIU will remain in effect until the customer provides the call detail records from which the percentage of interstate and intrastate use can be derived. No prorating or back billing will be done based on the newly derived factor.

(M)

(M) Material now appearing on this page previously appeared on Original Page 31.8.

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Tariff NCUC No. 1
First Revised Page 31.9
Cancels Original Page 31.9
EFFECTIVE: January 2, 2001

2. GENERAL REGULATIONS (Cont'd)

2.3 OBLIGATIONS OF THE CUSTOMER (Cont'd)

2.3.12 DETERMINATION OF INTRASTATE CHARGES FOR MIXED INTERSTATE AND INTRASTATE SWITCHED ACCESS SERVICE, CCS/SS7 INTERCONNECTION AND/OR LIDB ACCESS SERVICE

When mixed interstate and intrastate Access Service, CCS/SS7 Interconnection Service and/or LIDB 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 percentage provided in the reports as set forth in 2.3.11 will serve as the basis for prorating the charges. The percentage of an Access Service to be charged as intrastate is applied in the following manner:

(C)

- (1) For monthly and nonrecurring chargeable rate elements, multiply the percent intrastate use times the quantity of chargeable elements times the stated tariff rate per element.
- (2) For usage sensitive (i.e., access minutes, calls and queries) chargeable rate elements, multiply the percent intrastate use times actual use (i.e., measured or Telephone Company assumed average use) times the stated tariff rate.

The intrastate percentage will change as revised usage reports are submitted as set forth in 2.3.11 preceding.

(C)

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Second Revised Page 31.10
Cancels First Revised Page 31.10
EFFECTIVE: July 13, 2012

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.

(C)
(C)

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

(N)

- Between the Initial Implementation date described in 2.3.13.(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.

(N)

(M)

(M)

(M) Material previously appearing on this page now appears on Page 31.10.1.

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Original Page 31.10.1
EFFECTIVE: July 13, 2012

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 CenturyLink Operating Companies Tariff F.C.C. No. 9, Section 6 when applicable based on the schedule shown above. | (M) | (C) |
| | | | (C) |
| | | | (C) |
| (C) | <u>Calculation and Application of Percent VoIP Usage Factors</u> | | (T) |
| (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. | (M) | (T) |
| (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. | | (N) |
| | | | (N) |
| (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. | (M1) | (T) |
| (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. | (M1) | (T) |

(M) Material appearing on this page previously appeared on First Revised Page 31.10.

(M1) Material appearing on this page previously appeared on Original Page 31.11.

ACCESS SERVICE TARIFF

CENTRAL TELEPHONE COMPANY
NORTH CAROLINA

Tariff NCUC No. 1
First Revised Page 31.11
Cancels Original Page 31.11
EFFECTIVE: July 13, 2012

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) (T)
- (M)
- (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. (N)
|
(N)
- (6) The customer shall not modify their reported PIU factor to account for VoIP-PSTN traffic. (T)
- (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. (T) (C)
(C)
- (8) The customer shall retain the call detail, work papers and information used to develop the PVU factors for a minimum of one year. (T)
- (9) If the customer does not furnish the Telephone Company with a PVU factor, the Telephone Company will utilize a PVU equal to zero. (T)

(M) Material previously appearing on this page now appears on Page 31.10.1.

ACCESS SERVICE TARIFF

CENTRAL TELEPHONE COMPANY
NORTH CAROLINA

Tariff NCUC No. 1

Original Page 31.12
EFFECTIVE: December 30, 2011

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 retroactive to December 29, 2011, and 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.

(N)

(N)

ACCESS SERVICE TARIFF

CENTRAL TELEPHONE COMPANY
NORTH CAROLINA

Tariff NCUC No. 1
First Revised Page 31.13
Cancels Original Page 31.13
EFFECTIVE: July 13, 2012

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. (C)
(C)
 - (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 establishes revised PVU factors, the customer and the Telephone Company will begin using those revised PVU factors with the next bill period.
- (4) If the dispute is unresolved, the Telephone Company may initiate an audit. The Telephone Company shall limit audits of the customer's PVU factor to no more than twice per year. The customer may request that the audit be conducted by an independent auditor. In such cases, the associated auditing expenses will be paid by the customer.
 - (a) In the event that the customer fails to provide adequate records to enable the Telephone Company or an independent auditor to conduct an audit verifying the customer's PVU factors, the Telephone Company will bill the usage and associated facilities for all contested periods using the most recent undisputed PVU factors reported by the customer. If no undisputed PVU factors exist, then PVU factors of zero percent will be used for all contested periods. These PVU factors will remain in effect until the audit can be completed. (C)
(C)
(C)

ACCESS SERVICE TARIFF

CENTRAL TELEPHONE COMPANY
NORTH CAROLINA

Tariff NCUC No. 1

Original Page 31.14
EFFECTIVE: December 30, 2011

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) (Cont'd)

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

(N)

(N)

ACCESS SERVICE TARIFF

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NORTH CAROLINA

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Original Page 31.15
EFFECTIVE: December 30, 2011

2. GENERAL REGULATIONS (Cont'd)

(N)

2.3 OBLIGATIONS OF THE CUSTOMER (Cont'd)

(N)

2.3.14 RESERVED FOR FUTURE USE

(M)

2.3.15 RESERVED FOR FUTURE USE

2.3.16 RESERVED FOR FUTURE USE

2.3.17 RESERVED FOR FUTURE USE

2.3.18 RESERVED FOR FUTURE USE

2.3.19 RESERVED FOR FUTURE USE

(M)

(M) Certain material found on this page formerly appeared on Original Page 31.10.

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CENTRAL TELEPHONE COMPANY
NORTH CAROLINA

Tariff NCUC No. 1
Second Revised Page 32
Cancels First Revised Page 32
EFFECTIVE: October 27, 2000

2. GENERAL REGULATIONS

2.3 OBLIGATIONS OF THE CUSTOMER (Cont'd)

(M)

2.3.20 SWITCHED ACCESS CREDIT

- a. As ordered on May 17, 1994 in Docket No. P-100, Sub126, Defined-radius Discount Calling Plan, and on February 9, 1994 in Docket Nos. P-141, Sub-19, and P-100, Sub-65, and P-100, Sub 72, the Telephone Company will credit the IC the difference between the average revenue per minute for (1) MTS, Defined-Radius Plans, Defined-Area Plans, DDD, OCPs, Saver Service, WATSSaver and any future services of a similar nature in the aggregate; (2) WATS; or (3) Toll Free Code (TFC) Access Service; and the average intrastate calculated composite Switched Access rate. The Telephone Company will recalculate and change, if necessary, the credit applicable to IC traffic when any Switched Access rate element changes, once a proposed change in the price of one (1) of the existing toll services become effective, or on January 1, 1995 and July 1, 1995 and on July 1 of each year thereafter. The credit will be given as long as the intrastate Switched Access Charges exceed the average intraLATA toll rate.

	<u>Rate</u>	(T)	
(1) Switched Access Credit, Per Originating IntraLATA Minute of Use	\$0.00	(T)	(M)

(M1)

(M) Material appearing on this page previously appeared on Second Revised Page 31.1.
(M1) Material previously appearing on this page now appears on Pages 32.2 and 33.

ACCESS SERVICE TARIFF

CENTRAL TELEPHONE COMPANY
NORTH CAROLINA

Tariff NCUC No. 1

Original Page 32.1
EFFECTIVE: October 27, 2000

2. GENERAL REGULATIONS

(T) (M)

2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES

2.4.1 PAYMENT OF RATES, CHARGES AND DEPOSITS

(T)

- a. The Telephone Company may, in order to safeguard its interests, require a Customer which has a history of late payments to the Telephone Company or does not have established credit to make a deposit prior to or at any time after the provision of a service to the Customer. That deposit will be held by the Telephone Company as a guarantee of the payment of rates and charges. No such deposit will be required if a Customer is a successor to a company which has established credit and has no history of late payments to the Telephone Company. The deposit will not exceed the anticipated charges for the service and facilities for a two month period. The fact that a deposit has been made in no way relieves the Customer from complying with the Telephone Company's regulations as to advance payments or the prompt payment of bills. After 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. A deposit will be refunded or credited to the Customer's account after the Customer has established credit, or in any event after customer has established a timely payment record for 12 consecutive months. For the period a cash deposit is held by the Telephone Company, the Customer will receive interest, at the same rate as is set forth in Section 2.4.1d. for late payment charges. A deposit given in connection with Special Construction under Section 9 or Specialized Service or Arrangements under Section 6 shall be treated in accordance with those tariff provisions.

(T)

(M)

(M) Material appearing on this page previously appeared on Page 31.2.

ACCESS SERVICE TARIFF

CENTRAL TELEPHONE COMPANY
d/b/a CenturyLink
NORTH CAROLINA

Tariff NCUC No. 1
1st Revised Page 32.2
Cancels Original Page 32.2
EFFECTIVE: July 1, 2021

(T)

2. GENERAL REGULATIONS

2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES (Cont'd)

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

- b. The Telephone Company shall bill on a current basis all charges incurred by and credits due to the customer under this Tariff attributable to services, including, but not limited to Maintenance of Service as set forth in Section 7.3.1 following, established or discontinued during the preceding billing period. In addition, the Telephone Company shall bill in advance, charges for all services to be provided during the ensuing billing period (e.g., Special Access and Switched Access Entrance Facility, Direct-Trunked Transport and Multiplexing), except for charges associated with service usage (e.g., Switched **Access**, **Tandem-Switched Transport and Local Switching**), and for the Federal Government, which will be billed in arrears. The bill date shall be printed on the bill. Adjustments for the quantities of services established or discontinued in any billing period, after the expiration of the minimum period for the service (as set forth in this Tariff), will be prorated to the number of days or major fraction of days based on a 30-day month. To assist the customer in verifying a bill, the Telephone Company will provide upon customer's request figures and calculations used by the Telephone Company in rendering the bill to the customer, including information related to the calculation of the subscriber ratio. (T)
- c. Payment of bills must result in immediately available funds on or before the payment due date. The payment due date shall be the thirtieth day following the bill date, provided that if such thirtieth day falls on a Saturday, Sunday, or legally observed Holiday, (i.e., New Year's Day, Independence Day, Labor Day, Thanksgiving Day, Christmas Day, and a day when Martin Luther King, Jr. Day, Washington's Birthday, Memorial Day, Columbus Day, or Veteran's Day is legally observed), payment will be due as follows: (T)
 - (1) If such thirtieth day falls on a Sunday or on a Holiday observed on a Monday, the payment due date shall be the first non-holiday day following such Sunday or Holiday; or
 - (2) If such thirtieth day falls on a Saturday or on a Holiday observed on Tuesday, Wednesday, Thursday or Friday, the payment due date shall be the last non-holiday day preceding such Saturday or Holiday.

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CENTRAL TELEPHONE COMPANY
d/b/a CENTURYLINK

Tariff NCUC No. 1
Second Revised Page 33
Cancels First Revised Page 33
EFFECTIVE: April 1, 2017

NORTH CAROLINA

2. GENERAL REGULATIONS

2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES (Cont'd)

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

d. If any amount due is received by the Telephone Company after the payment due date or if any amount due is received by the Telephone Company in funds not immediately available to the Telephone Company on or before the payment due date, then a Late Payment Charge shall be assessed. The Late Payment Charge shall be such amount due times a late factor. The late factor shall be the lesser of:

- (1) The highest interest rate (in decimal value) permissible under state law for commercial transactions in the state where the services were provided, for the number of calendar days from the payment due date to and including the date the Telephone Company actually receives the payment in immediately available funds, or (C)
- (2) 0.000333 per day, simple interest, for the number of calendar days from the payment due dates to and including the date that Telephone Company actually receives the payment in immediately available funds. (C)

If Customer does not receive a bill at least 20 days prior to the payment due date, upon request of Customer submitted with proof of such late receipt of the bill, the late payment charge shall not apply for the number of days the bill was late.

Such proof includes but is not limited to the received date stamp of the customer on the bill along with certification of the Accounts Payable supervisor of the Customer that the received date stamp is accurate.

e. If a billing dispute arises, Customer shall pay the disputed amount by the payment due date and notify Telephone Company in writing of the dispute. Disputed amounts paid after the payment due date are subject to late payment charges. If the dispute is ultimately resolved in favor of Customer, Telephone Company shall refund the overpayment, including any late payment charges collected by Telephone Company with respect to the overpayment, plus interest at the rate prescribed for late payment charges in Section 2.4.1d. For claims filed with the Telephone company within four (4) months of the payment date, interest will be paid from the date the Customer pays the bill to the date the refund is made. For claims filed with the Telephone Company more than four months after the payment date, interest will be paid from the claim date to the date the refund is made.

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CENTRAL TELEPHONE COMPANY
NORTH CAROLINA

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First Revised Page 34
Cancels Original Page 34
EFFECTIVE: August 8, 2000

2. GENERAL REGULATIONS

2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES (Cont'd)

2.4.2 MINIMUM PERIODS

The minimum period for which service is provided and for which rates and charges are applicable is one month unless a different minimum period is established elsewhere in this tariff. When a service is discontinued prior to the expiration of the minimum period, a charge is applicable for the remaining portion of the minimum period, whether the service is used or not, and will be based on the rates in effect for the service at the time of discontinuance. In instances where the minimum period is more than thirty (30) days, the charge will be the lesser of the Telephone Company's non-recoverable costs less the net salvage value, if any for the discontinued service or the total monthly charges at the rates in effect at the time service is discontinued, unless otherwise provided elsewhere in this tariff.

2.4.3 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. For certain Special Access Services (Digital Data and High Capacity), any period during which the error performance is below that specified for the service will be considered as an interruption. Except as otherwise provided, an interruption period starts when the Telephone Company becomes aware of the inoperative service, regardless of when it is reported by the Customer, and ends when the service is operative. (C)

For purposes of administering the following regulations a "major fraction" means more than half of the incremental credit period using the unit of time in which the service interruption is measured, i.e., 30 seconds, 5 minutes. For example, a major fraction for a 30-minute period equals 16 minutes and for a 5 minute period equals 2 minutes and 31 seconds.

In case of an interruption to any service, allowance for the period of interruption shall be as follows:

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CENTRAL TELEPHONE COMPANY
NORTH CAROLINA

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Fifth Revised Page 35
Cancels Fourth Revised Page 35
EFFECTIVE: August 2, 2002

2. GENERAL REGULATIONS

2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES (Cont'd)

2.4.3 CREDIT ALLOWANCE FOR SERVICE INTERRUPTIONS (Cont'd)

a. General (Cont'd)

- (1) For Switched Access Entrance Facilities, Direct-Trunked Transport, Switched Access OptiPoint Services, and for Special Access Services, no credit shall be allowed for an interruption of less than thirty (30) minutes. The customer shall be credited for an interruption of thirty (30) minutes or more at the rate of 1/1,440 of the monthly charge for the service for each period of thirty (30) minutes or major fraction thereof that the interruption continued from the time that an interruption period starts. (C)

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

- (a) For two-point services, the monthly charge shall be the total of all the monthly rate element charges associated with the service (i.e., Channel Termination(s), Channel Mileage, Optional Features and Functions, and, when applicable, Surcharge for Special Access Service).
- (b) For multipoint services, the monthly charge shall be the total of all the monthly rate element charges associated with that portion of the service that is inoperative between the Hub and a customer premises (i.e., Channel Termination(s), Channel Mileage, Optional Features and Functions, and, when applicable, Surcharge for Special Access Service).
- (c) For multiplexed services, the monthly charge shall be the total of all the monthly rate element charges associated with that portion of the service that is inoperative. When the facility which is multiplexed or the multiplexer itself is inoperative, the monthly charge shall be the total of all the monthly rate element charges associated with the service (i.e., Channel Termination(s), Channel Mileage, Optional Features and Functions, and, when applicable, Surcharge for Special Access Service). When the service which rides a channel of the multiplexed facility is inoperative, the monthly charge shall be the total of all the monthly rate element charges associated with that portion of the service from the Hub to a customer premises (i.e., Channel Termination(s), Channel Mileage, Optional Features and Functions, and, when applicable, Surcharge for Special Access Service).

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CENTRAL TELEPHONE COMPANY
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First Revised Page 35.1
Cancels Original Page 35.1
EFFECTIVE: August 2, 2002

2. GENERAL REGULATIONS

2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES (Cont'd)

2.4.3 CREDIT ALLOWANCE FOR SERVICE INTERRUPTIONS (Cont'd)

a. General (Cont'd)

(2) Reserved For Future Use

(C)
(D)

(D)

ACCESS SERVICE TARIFF

CENTRAL TELEPHONE COMPANY
NORTH CAROLINA

Tariff NCUC No. 1

Original Page 35.2
EFFECTIVE: June 24, 1997

2. GENERAL REGULATIONS

2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES (Cont'd)

2.4.3 CREDIT ALLOWANCE FOR SERVICE INTERRUPTIONS (Cont'd)

a. General (Cont'd)

- | | | | |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|
| (3) | For Switched Access Service and Directory Assistance Service, credit allowances for interruptions apply only to the applicable monthly rates or the assumed Minutes of Use Charge, whichever is applicable to the service involved. No credit allowance shall be allowed for an interruption of less than twenty-four (24) hours. The customer shall be credited for an interruption of twenty-four (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 twenty-four (24) hours or major fraction thereof that the interruption continues. | (M) | (C) |
| (4) | The credit allowance(s) for an interruption or for a series of interruptions shall not exceed any applicable monthly rate or assumed Minutes of Use Charge for the service interrupted in any one (1) monthly billing period. | (T) | (T) |
| (5) | Service interruptions for Specialized Services or Arrangements provided under the provisions of Section 6. following shall be administered in the same manner as those set forth in this Section 2.4.3 unless other regulations are specified with the individual case filing. | (M) | (T) |

(M) Material now appearing on this page previously appeared on Page 35.

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CENTRAL TELEPHONE COMPANY
NORTH CAROLINA

Tariff NCUC No. 1
First Revised Page 36
Cancels Original Page 36
EFFECTIVE: February 29, 2000

2. GENERAL REGULATIONS

2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES (Cont'd)

2.4.3 CREDIT ALLOWANCE FOR SERVICE INTERRUPTIONS (Cont'd)

b. 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 which continue because of the failure of the Customer to authorize replacement of any element of Special Construction, as set forth in Section 9.
- (4) Periods when the Customer elects not to release the service for testing and/or repair and continues to use it on an impaired basis.
- (5) An interruption or a group of interruptions, resulting from a common cause, for amounts less than one dollar.

c. Use of an Alternative Service Provided by the Telephone Company

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

d. Temporary Surrender of a Service

In certain instances, the Customer may be requested 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 determined in the same manner as a credit for service interruptions as set forth in Section 2.4.3(A).

2.4.4 ORDERING, RATING AND BILLING OF ACCESS SERVICES WHERE MORE THAN ONE EXCHANGE TELEPHONE COMPANY OR RATE SCHEDULE IS INVOLVED

(T)
(T)

When ordering, rating and billing of Access Services under this tariff involves more than one Exchange Telephone Company or rate schedule, the Telephone companies involved will mutually agree upon one of the billing methods as set forth in (A) or (B) following based upon the interconnection arrangements between the Telephone Companies and the availability of measurement capability.

(T)
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(T)

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Tariff NCUC No. 1
Second Revised Page 37
Cancels First Revised Page 37
EFFECTIVE: February 29, 2000

2. GENERAL REGULATIONS

2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES (Cont'd)

2.4.4 ORDERING, RATING AND BILLING OF ACCESS SERVICES WHERE MORE THAN ONE EXCHANGE TELEPHONE COMPANY OR RATE SCHEDULE IS INVOLVED (Cont'd)

The Telephone Company will notify the customer which billing method will be used when the customer orders Access Service. In addition, the Telephone Company will provide the customer written notice of a change in billing method no later than 30 days prior to the implementation of such change.

The billing method set forth in (A) following is applicable only to interconnection arrangements between Exchange Telephone Companies involved in the provision of Feature Group A Switched Access Service where the Exchange Telephone Companies have not agreed to use multiple company billing. The billing methods set forth in (B) following are applicable to interconnection arrangements between Exchange Telephone Companies involved in the provision of all Access Services, with the exception of those instances where the provisions of (A) are available.

In accordance with the Federal Communications Commission's Memorandum Opinion and Order in CC Docket No. 86-106, adopted July 20, 1987, the Telephone Company will adhere to the standards set forth in the Multiple Exchange Carrier Access Billing (MECAB) and the Multiple Exchange Carrier Ordering and Design (MECOD) Guidelines when providing access service under Multiple Company (Interconnection Point) Billing arrangements.

The Exchange Telephone Companies involved in providing the Access Service, will develop a mutually agreeable working arrangement to allow one of the Exchange Telephone Companies to perform "Access Service Coordination" (ASC) for all services requested.

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(T)

ACCESS SERVICE TARIFF

CENTRAL TELEPHONE COMPANY
NORTH CAROLINA
d/b/a CENTURYLINK

Tariff NCUC No. 1
Fourth Revised Page 37.1
Cancels Third Revised Page 37.1
EFFECTIVE: May 19, 2021

2. GENERAL REGULATIONS

2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES (Cont'd)

2.4.4 ORDERING, RATING AND BILLING OF ACCESS SERVICES WHERE MORE THAN ONE EXCHANGE TELEPHONE COMPANY OR RATE SCHEDULE IS INVOLVED (Cont'd)

(A) Single Company Billing (FGA Only)

When Feature Group A Access Service is ordered by a customer where one end of the Transport element is in one Exchange Telephone Company operating territory and the other end is in another Exchange Telephone Company operating territory, the Exchange Telephone Company in whose territory the first point of switching is located will accept the order. The Exchange Telephone Company that accepts the order will then determine the charges involved, arrange to provide the Access Service ordered and bill the charges in accordance with its Access Service tariff.

(B) Multiple Company (Interconnection Point) Billing

When an Access Service ordered by a customer involves more than one Exchange Telephone Company or rate schedule, the Exchange Telephone Companies involved will agree upon one of the following billing methods:

Single Bill Method: The Exchange Telephone Companies involved will mutually agree upon a "billing company" which will render the bill for the Access Service provided. The designated billing company will perform the "Access Service Coordination" (ASC) function for the service requested, determine the applicable charges, and bill the customer for the entire service in accordance with **the applicable Access Service tariff(s)**. The designated billing company will be billed by the other Exchange Telephone Companies involved for the portion of the Access Service they provide. **Available options for the Single Bill method are:**

- 1. **Single Bill/Single Tariff**
- 2. **Single Bill/Multiple Tariff**

(T)
(T)
|
(T)

Multiple Bill Method: Each Exchange Telephone Company involved will provide the portion of the service in its operating territory and bill the customer in accordance with its Access Service tariff.

- (1) When a Feature Group A Switched Access Service is ordered by a customer where one end of the Transport element is in the Telephone Company operating territory and the other end is in another Exchange Telephone Company operating territory, the Exchange Telephone Company in whose operating territory the first point of switching is located will accept the order. In addition, the Exchange Telephone Company in whose operating territory the customer point of termination is located must also receive a copy of the order from the customer. Each Exchange Telephone Company will provide the portion of the transport element in its operating territory to an interconnection point with another Exchange Telephone Company and will bill the charges in accordance with its Access Service tariff.

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Second Revised Page 37.2
Cancels First Revised Page 37.2
EFFECTIVE: February 29, 2000

2. GENERAL REGULATIONS

2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES (Cont'd)

2.4.4 ORDERING, RATING AND BILLING OF ACCESS SERVICES WHERE MORE THAN ONE EXCHANGE TELEPHONE COMPANY OR RATE SCHEDULE IS INVOLVED (Cont'd)

(T)

(B) Multiple Company (Interconnection Point) Billing (Cont'd)

(2) When Feature Group B, C, and/or D Switched Access Service and/or Directory Assistance Service is ordered by a customer where one end of the Transport element is in the Telephone Company operating territory and the other end is in another Exchange Telephone Company operating territory, the orders shall be received as follows:

- (a) For Feature Group C Switched Access Service and/or Directory Assistance Service, the Exchange Telephone Company in whose operating territory the end office is located must receive the order from the customer.
- (b) For Feature Group B and/or D Switched Access Service ordered to an end office, the Exchange Telephone Company in whose operating territory the end office is located must receive the order from the customer.
- (c) For Feature Group B and/or D Switched Access Service ordered to an access tandem, the Exchange Telephone Company in whose operating territory the access tandem is located must receive the order from the customer.
- (d) For the Service ordered set forth in (a), (b) and (c) preceding, the Exchange Telephone Company in whose operating territory the customer point of termination is located must also receive a copy of the order from the customer.

Each Exchange Telephone Company will provide the portion of the Transport element in its operating territory to an interconnection point with another Exchange Telephone Company and will bill the charges in accordance with its Access Service tariff. The rate for the Transport element will be determined as set forth in (8) following. All other appropriate charges in each Exchange Telephone Company tariff are applicable.

- (3) When a Special Access Service utilized for connection with Switched Access Service is ordered and a Transport element applies (i.e., the WATS serving office and the end user customer end office are not coterminous) and one end of the Transport element is in the Telephone Company operating territory and the other end is in another Exchange Telephone Company operating territory, the Exchange Telephone Company in whose operating

(T)

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2. GENERAL REGULATIONS

2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES (Cont'd)

2.4.4 ORDERING, RATING AND BILLING OF ACCESS SERVICES WHERE MORE THAN ONE EXCHANGE TELEPHONE COMPANY OR RATE SCHEDULE IS INVOLVED (Cont'd)

(N)

(B) Multiple Company (Interconnection Point) Billing (Cont'd)

(3) (Cont'd)

territory the end office is located must receive the order from the customer. In addition, the Exchange Telephone Company in whose operating territory the WATS Serving Office is located must also receive a copy of the order from the customer. Each Exchange Telephone Company will provide the portion of the Transport element in its operating territory to an interconnection point with another Exchange Telephone Company and will bill the charges in accordance with its Access Service tariff. The rate for the Transport element will be determined as set forth in (8) following. All other appropriate charges in each Exchange Telephone Company tariff are applicable.

(4) When a Special Access Service is ordered by a customer where one end of the Channel Mileage is in the Telephone Company operating territory and the other end is in another Exchange Telephone Company operating territory, except for Special Access Service provided with the use of Hubs, either of the Exchange Telephone Companies may receive the order from the customer. In addition, the other Exchange Telephone Company must receive a copy of the order from the customer. Each Exchange Telephone Company will provide the portion of the Channel Mileage element in its operating territory to an interconnection point (IP) with another Exchange Telephone Company and will bill the charges in accordance with its Access Service tariff. The rate for the Channel Mileage element will be determined as set forth in (8) following. All other appropriate charges in each Exchange Telephone Company tariff are applicable.

(5) When a Special Access Service involving a Hub is ordered by a customer where one end of the Channel Mileage element is in an Exchange Telephone Company operating territory and the Hub is in another Exchange Telephone Company operating territory, the Exchange Telephone Company in whose operating territory the Hub is located must receive the order from the customer. In addition, the Exchange Telephone Company in whose operating territory a customer premises is located must receive copies of the order from the customer. Each Exchange Telephone Company will provide the portion of the Channel Mileage element in its operating territory to an interconnection point (IP) with another Exchange telephone Company and will bill the charges in accordance with its Access Service Tariff. The rate for the Channel Mileage element will be determined as set forth in (8) following. All other appropriate charges in each Exchange Telephone Company tariff are applicable.

(N)

ACCESS SERVICE TARIFF

CENTRAL TELEPHONE COMPANY
d/b/a CENTURYLINK
NORTH CAROLINA

Tariff NCUC No. 1
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Cancels First Revised Page 37.4
EFFECTIVE: July 1, 2017

2. GENERAL REGULATIONS

2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES (Cont'd)

2.4.4 ORDERING, RATING AND BILLING OF ACCESS SERVICES WHERE MORE THAN ONE EXCHANGE TELEPHONE COMPANY OR RATE SCHEDULE IS INVOLVED
(Cont'd)

(B) Multiple Company (Interconnection Point) Billing (Cont'd)

- (6) When a Feature Group A, B, C and/or D Switched Access Service is ordered by a customer where both ends or an end and an interconnection point of the Transport Element are in the same Telephone Company operating territory and same exchange but in different states which have different rate schedules, the Telephone Company will accept the order in the state where the first point of switching is located. When a Special Access Service utilized for connection with Switched Access Service is ordered and a Transport element applies and both ends or one end and an interconnection point of the Transport element are in the same Telephone Company operating territory and same exchange but in different states which have different rate schedules, the Telephone Company will accept the order in the state where the WATS Serving Office is located. The Telephone Company will provide the service ordered and will bill the portion of the service in each state in accordance with the rate schedule for that state. An Interconnection point will be determined by the Telephone Company and will be used to determine the billing for each state. The rate for the Transport element will be determined as set forth in (8) following.
- (7) When a Special Access Service, including those involving a Hub, but excluding those ordered for connection with Switched Access Service, is ordered by a customer where both ends of the Channel Mileage element, an end of the Channel Mileage element and an interconnection point, an end of the Channel Mileage element and a Hub or interconnection point and a Hub are in the same Telephone Company operating territory and the same exchange but in different states which have different rate schedules, the Exchange Telephone Company will accept the order in either state except for orders involving Hubs. For orders involving Hub the order must be placed in the state where the Hub is located. An interconnection point will be determined by the Exchange Telephone Company and will be used to determine the billing for each state. All appropriate charges in each state rate schedule are applicable. The rate for the Channel Mileage element will be determined as set forth in (8) following.

(M)
|
(M)

(M) Material moved to Page 37.4.1.

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EFFECTIVE: July 1, 2017

2. GENERAL REGULATIONS

2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES (Cont'd)

2.4.4 ORDERING, RATING AND BILLING OF ACCESS SERVICES WHERE MORE THAN ONE EXCHANGE TELEPHONE COMPANY OR RATE SCHEDULE IS INVOLVED
(Cont'd)

(B) Multiple Company (Interconnection Point) Billing (Cont'd)

(8) **When Terminating Tandem Switched Transport is provided through a CenturyLink Operating Company (CLOC) ILEC Access Tandem and the Terminating End Office is not owned by a CLOC ILEC or through an ILEC Access Tandem not owned by a CLOC ILEC and the Terminating End Office is owned by a CLOC ILEC, Terminating – Tandem 3rd Party rates are applicable; otherwise, Terminating – Tandem End Office rates are applicable. When originating Tandem Switched Transport is provided, Originating rates are applicable.**

(N)

(N)

The rate for the Switched Access Direct-Trunked Transport and Tandem-Switched Transport or Special Access Channel Mileage per mile element for services provided as set forth in (1) through (7) preceding is determined as follows:

(M)

(M)

(M) Material moved from Page 37.4.

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CENTRAL TELEPHONE COMPANY
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Second Revised Page 37.5
Cancels First Revised Page 37.5
EFFECTIVE: July 1, 2017

NORTH CAROLINA

2. GENERAL REGULATIONS

2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES (Cont'd)

2.4.4 ORDERING, RATING AND BILLING OF ACCESS SERVICES WHERE MORE THAN ONE EXCHANGE TELEPHONE COMPANY OR RATE SCHEDULE IS INVOLVED
(Cont'd)

(B) Multiple Company (Interconnection Point) Billing (Cont'd)

(8) (Cont'd)

(a) Determine the appropriate switched transport or channel mileage by computing the airline mileage between the two ends of the switched transport or channel mileage. Determine the airline mileage for the Tandem-Switched Transport per mile element using the V & H method as set for in Section 4.6.12 following. Determine the airline mileage for the Direct-Trunked Transport and Channel Mileage per mile element using the V & H method as set forth in Section 5.4.4 following.

(b) Determine the rate for the airline mileage determined in (a) preceding using the Telephone Company's tariff. Multiply such rate by the Telephone Company's billing percentage factor and divide by 100 to obtain the switched transport or channel mileage per mile element charges.

(9) The interconnection points will be determined by the Exchange Telephone Companies involved. The billing percentage factor for the Telephone Company for the service between the two involved offices is listed in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4.

(D)

(D)

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Third Revised Page 37.6
Cancels Second Revised Page 37.6
EFFECTIVE: July 1, 2017

2. GENERAL REGULATIONS

2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES (Cont'd)

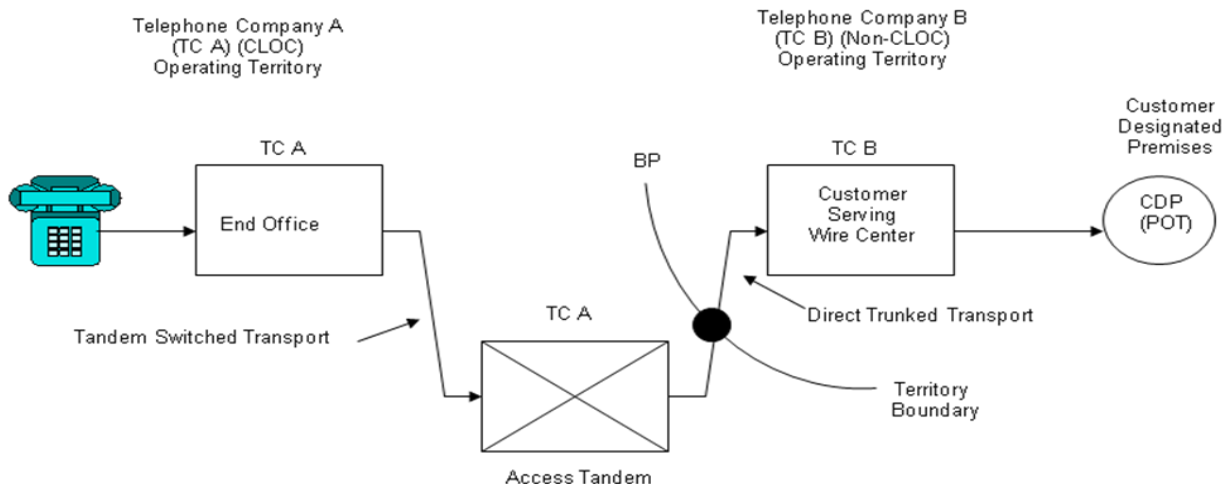
2.4.4 ORDERING, RATING AND BILLING OF ACCESS SERVICES WHERE MORE THAN ONE EXCHANGE TELEPHONE COMPANY OR RATE SCHEDULE IS INVOLVED (Cont'd)

(B) Multiple Company (Interconnection Point) Billing (Cont'd)

(10) Example 1: Originating Switched Access (See Diagram 1)

- Feature Group D Switched Access is ordered to End Office.
- Originating End Office and Access Tandem are in the operating territory of a Telephone Company (TC-A).
- Customer Designated Premises is in the operating territory of a Telephone Company (TC-B).
- Assumptions:
 - o TC-A Direct Trunk Transport BP = 40%
 - o TC-B Direct Trunk Transport BP = 60%
 - o Direct Trunked Transport mileage = 26 mi.
 - o Tandem Switched Transport mileage = 23 mi.

Diagram 1



(D-N)

(D-N)

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Original Page 37.6.1
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2. GENERAL REGULATIONS

2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES (Cont'd)

2.4.4 ORDERING, RATING AND BILLING OF ACCESS SERVICES WHERE MORE THAN ONE EXCHANGE TELEPHONE COMPANY OR RATE SCHEDULE IS INVOLVED
(Cont'd)

(B) Multiple Company (Interconnection Point) Billing (Cont'd)

(10) Example 1: Originating Switched Access (See Diagram 1) (Cont'd)

- 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

Common Transport Multiplexing charge
= 9,000 min x CTM rate

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2. GENERAL REGULATIONS

2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES (Cont'd)

2.4.4 ORDERING, RATING AND BILLING OF ACCESS SERVICES WHERE MORE THAN ONE EXCHANGE TELEPHONE COMPANY OR RATE SCHEDULE IS INVOLVED (Cont'd)

(B) Multiple Company (Interconnection Point) Billing (Cont'd)

(11) Example 2: Terminating Switched Access – Tandem 3rd Party (See Diagram 2A and 2B)

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

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2. GENERAL REGULATIONS

2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES (Cont'd)

2.4.4 ORDERING, RATING AND BILLING OF ACCESS SERVICES WHERE MORE THAN ONE EXCHANGE TELEPHONE COMPANY OR RATE SCHEDULE IS INVOLVED (Cont'd)

(B) Multiple Company (Interconnection Point) Billing (Cont'd)

(11) Example 2: Terminating Switched Access – Tandem 3rd Party (See Diagram 2A and 2B) (Cont'd)

Diagram 2A

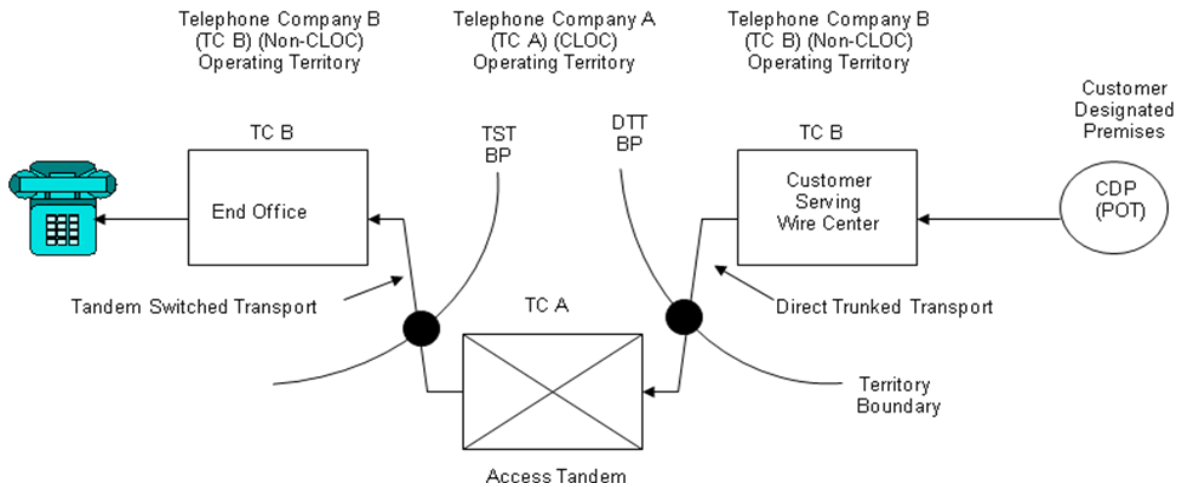
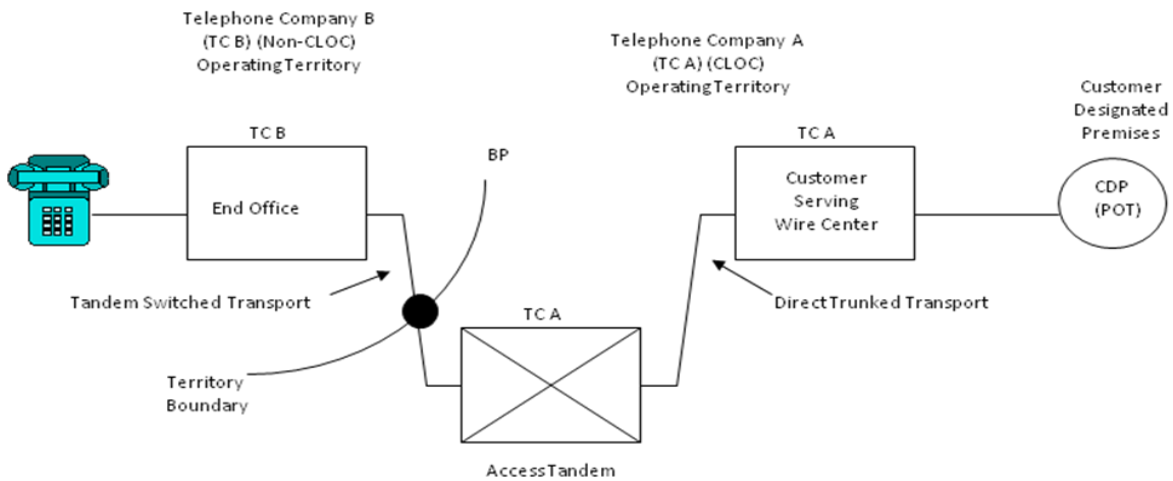


Diagram 2B



BP = Billing Percentage

ACCESS SERVICE TARIFF

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NORTH CAROLINA

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2. GENERAL REGULATIONS

2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES (Cont'd)

2.4.4 ORDERING, RATING AND BILLING OF ACCESS SERVICES WHERE MORE THAN ONE EXCHANGE TELEPHONE COMPANY OR RATE SCHEDULE IS INVOLVED (Cont'd)

(B) Multiple Company (Interconnection Point) Billing (Cont'd)

(11) Example 2: Terminating Switched Access – Tandem 3rd Party (See Diagram 2A and 2B) (Cont'd)

- 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

Common Transport Multiplexing – 3rd Party charge
= 9,000 min x CTM-3rd Party rate

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Original Page 37.6.5
EFFECTIVE: July 1, 2017

2. GENERAL REGULATIONS

2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES (Cont'd)

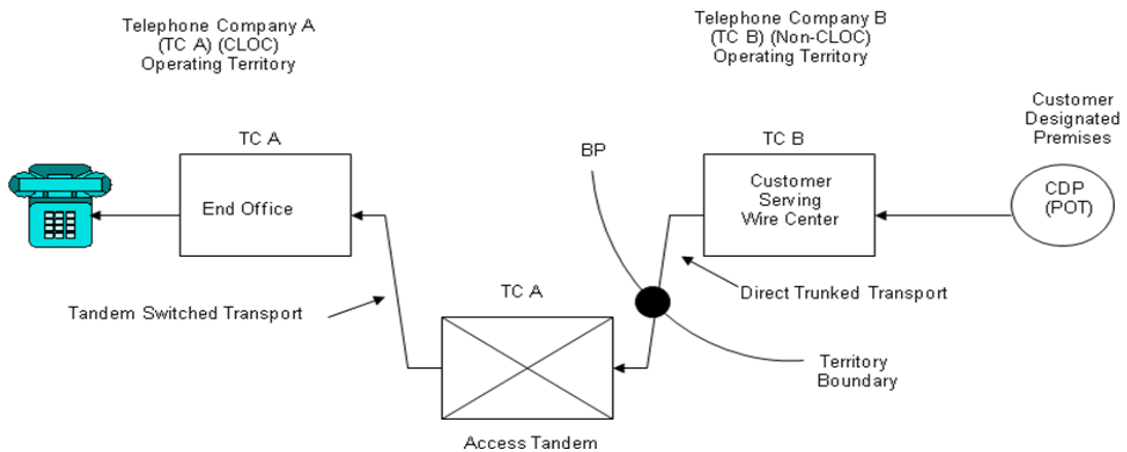
2.4.4 ORDERING, RATING AND BILLING OF ACCESS SERVICES WHERE MORE THAN ONE EXCHANGE TELEPHONE COMPANY OR RATE SCHEDULE IS INVOLVED (Cont'd)

(B) Multiple Company (Interconnection Point) Billing (Cont'd)

(12) Example 3: Terminating Switched Access – Tandem End Office (See Diagram 3)

- Feature Group D Switched Access is ordered to End Office.
- Terminating End Office and Access Tandem are both owned by a CLOC 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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EFFECTIVE: July 1, 2017

2. GENERAL REGULATIONS

2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES (Cont'd)

2.4.4 ORDERING, RATING AND BILLING OF ACCESS SERVICES WHERE MORE THAN ONE EXCHANGE TELEPHONE COMPANY OR RATE SCHEDULE IS INVOLVED (Cont'd)

(B) Multiple Company (Interconnection Point) Billing (Cont'd)

(12) Example 3: Terminating Switched Access – Tandem End Office (See Diagram 3) (Cont'd)

- 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

Common Transport Multiplexing – End Office charge
= 9,000 min x CTM-End Office rate

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NORTH CAROLINA

Original Page 37.6.7
EFFECTIVE: July 1, 2017

2. GENERAL REGULATIONS

2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES (Cont'd)

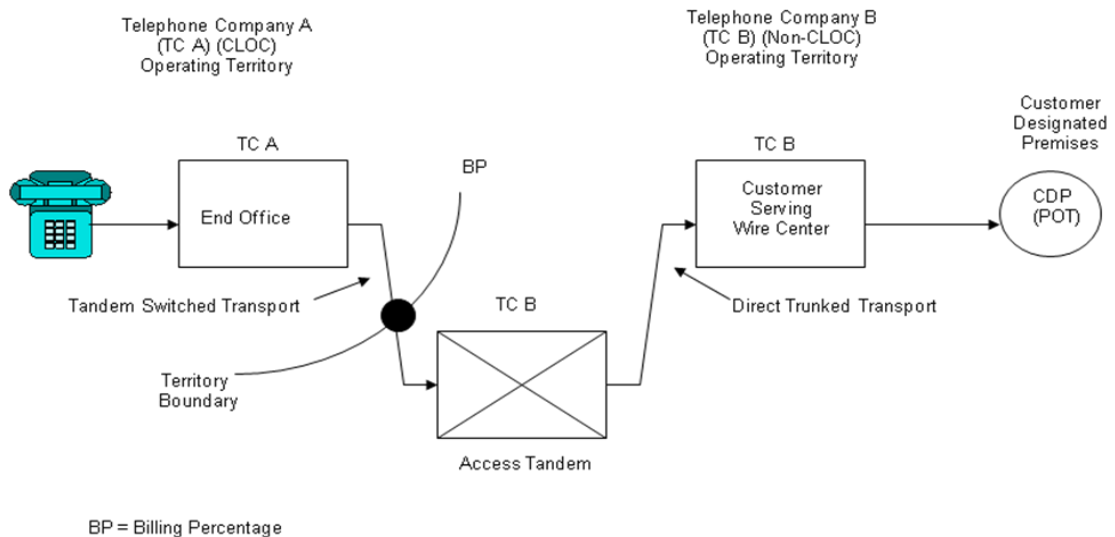
2.4.4 ORDERING, RATING AND BILLING OF ACCESS SERVICES WHERE MORE THAN ONE EXCHANGE TELEPHONE COMPANY OR RATE SCHEDULE IS INVOLVED (Cont'd)

(B) Multiple Company (Interconnection Point) Billing (Cont'd)

(13) Example 4: Originating Switched Access – CLOC Owns Only the End Office (See Diagram 4)

- Feature Group D Switched Access is ordered to End Office
- End Office is owned by CLOC (TC-A)
- Access Tandem is owned by a non-CLOC 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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NORTH CAROLINA

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EFFECTIVE: July 1, 2017

2. GENERAL REGULATIONS

2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES (Cont'd)

2.4.4 ORDERING, RATING AND BILLING OF ACCESS SERVICES WHERE MORE THAN ONE EXCHANGE TELEPHONE COMPANY OR RATE SCHEDULE IS INVOLVED (Cont'd)

(B) Multiple Company (Interconnection Point) Billing (Cont'd)

(13) Example 4: Originating Switched Access – CLOC Owns Only the End Office (See Diagram 4) (Cont'd)

- 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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Original Page 37.6.9
EFFECTIVE: July 1, 2017

2. GENERAL REGULATIONS

2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES (Cont'd)

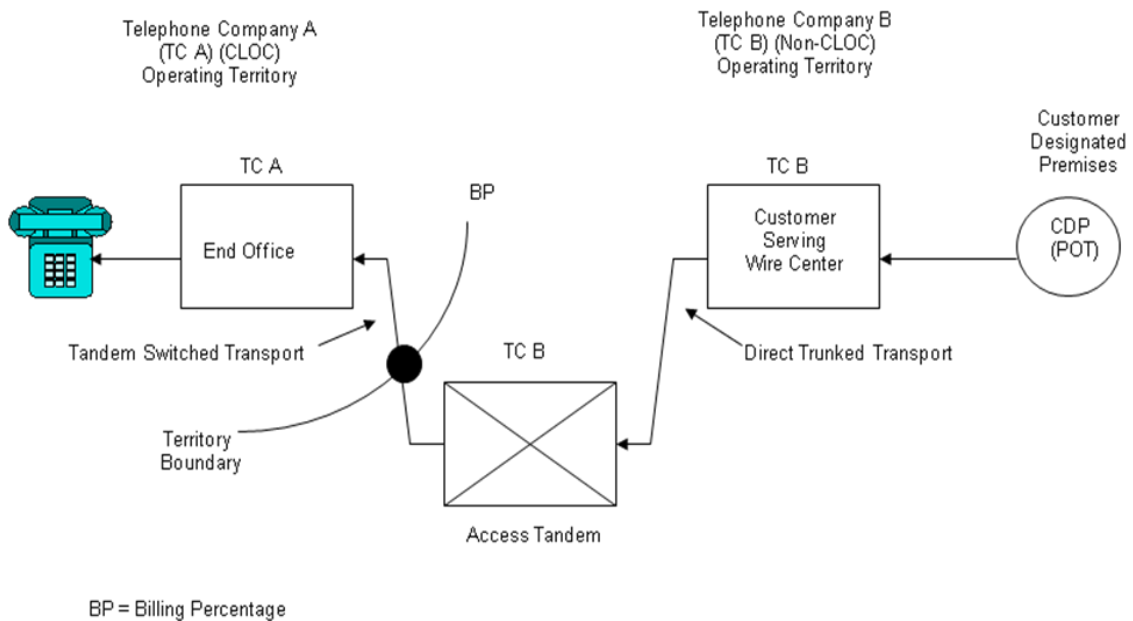
2.4.4 ORDERING, RATING AND BILLING OF ACCESS SERVICES WHERE MORE THAN ONE EXCHANGE TELEPHONE COMPANY OR RATE SCHEDULE IS INVOLVED (Cont'd)

(B) Multiple Company (Interconnection Point) Billing (Cont'd)

(14) Example 5: Terminating Switched Access – Tandem 3rd Party (See Diagram 5)

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

Diagram 5



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2. GENERAL REGULATIONS

2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES (Cont'd)

2.4.4 ORDERING, RATING AND BILLING OF ACCESS SERVICES WHERE MORE THAN ONE EXCHANGE TELEPHONE COMPANY OR RATE SCHEDULE IS INVOLVED (Cont'd)

(B) Multiple Company (Interconnection Point) Billing (Cont'd)

(14) Example 5: Terminating Switched Access – Tandem 3rd Party (See Diagram 5) (Cont'd)

- Telephone Company A charges are:

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

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

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

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Tariff NCUC No. 1
Fifth Revised Page 38
Cancels Fourth Revised Page 38
EFFECTIVE: October 22, 2001

2. GENERAL REGULATIONS

2.5 CONNECTIONS

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

2.6 DEFINITIONS

Certain terms used herein are defined as follows:

Access Code

See "Carrier Access Code" (CAC).

Access Minutes

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

Access Tandem

The term "Access Tandem" denotes a Telephone Company switching system that provides a traffic concentration and distribution function for traffic originating from or terminating to an end office serving a customer's premises.

Alternate Billing Service (ABS)

Alternate Billing Service (ABS) provides end users the ability to bill calls to an account not necessarily associated with the originating line.

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 Point of Termination for terminating calls to the exchange 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.

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Third Revised Page 39
Cancels Second Revised Page 39
EFFECTIVE: March 1, 2001

2. GENERAL REGULATIONS

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.

Billed Number Screening (BNS)

Billed number screening is a process that utilizes a database to determine specific characteristics and/or customer preferences on a billed line number. Examples would include whether or not the line is a public telephone and whether the billed customer associated with the line will accept a collect call.

Bit

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

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 8:30 A.M. to 5:00 P.M., with an hour for lunch, Monday through Friday, resulting in a standard forty-hour workweek.

Call

The term "Call" denotes a communication, including an off-hook signal and routing information, initiated by a Customer (calling party) and completed to a Directory Assistance Service access location or End User (called party) or to a Customer's premises.

Carrier Access Code (CAC)

The term "Carrier Access Code" denotes a uniform seven-digit code assigned by the Telephone Company to an individual customer. The seven-digit code has the form 101XXXX, 950-0XXX, 950-1XXX, 950-10XX, or 950-00XX.

Carrier Identification Code (CIC)

The term "Carrier Identification Code" denotes numeric codes that are assigned to an IC for use with Feature Groups B and/or D Switched Access Service.

CCS

The term "CCS" denotes a hundred call seconds which is a standard unit of traffic load that is equal to 100 seconds of usage or capacity of a group of lines or trunks.

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Cancels Original Page 40
EFFECTIVE: May 29, 1996

2. GENERAL REGULATIONS

2.6 DEFINITIONS (Cont'd)

CENTRAL OFFICE

The term "Central Office" denotes a local Telephone Company switching system where Telephone Exchange Service customer station loops are terminated for purposes of interconnection to each other and to trunks.

CENTRAL OFFICE CODE

The term "Central Office Code" denotes the first three (3) digits (NXX) of the seven (7) digit telephone number assigned to a customer's Telephone Exchange Service.

CHANNEL(S)

The term "Channel(s)" denotes an electrical or photonic, in the case of fiber optic based transmission systems, communications path between two (2) or more points of termination.

CHANNEL SERVICE UNIT

The term "Channel Service Unit" denotes equipment which performs one (1) or more of the following functions: termination of a digital facility, regeneration of digital signals, detection and/or correction of signal format errors and remote loop back.

CHANNELIZE

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

CLEAR CHANNEL CAPABILITY (CCC)

The term "Clear Channel Capability" denotes the transport of twenty-four (24), 64 Kbps channels over a 1.544 Mbps High Capacity Service via 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.

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Cancels First Revised Page 41
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2. GENERAL REGULATIONS

2.6 DEFINITIONS (Cont'd)

Collocation - POT

The term "Collocation - POT" denotes the physical point of termination in a central office building, specified by the Telephone Company, between Other Tariffed Services and Customer Transport Facilities.

Collocation Space

The term "Collocation Space" denotes a location within a central office building, provided through Collocation Services for the purpose of locating Customer Transport Facilities and interconnecting those facilities to Other Tariffed Services.

Common Line

The term "Common Line" (also referred to as "subscriber line") denotes a line, trunk, pay telephone line or other facility provided under the General Subscriber Services Tariff of the Telephone Company, terminated on a central office switch. A common line-residence is a line or trunk provided under the residence regulations of the General Subscriber Services Tariff. A common line-business is a line provided under the business regulations of the General Subscriber Services Tariff.

Communications System

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

Completed Call

The term "Completed Call" denotes a call in which answer supervision is received from the called location.

(N)

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2. GENERAL REGULATIONS

2.6 DEFINITIONS (Cont'd)

Cost

(T)

Except as provided otherwise in this Tariff, the term "Cost" denotes all sums expended directly by the Telephone Company to provide particular facilities and/or services to a user, plus a pro-rata share of the cost to the Telephone Company of its facilities and personnel, including general and administrative costs, used in the provision of the facilities and/or services, plus a reasonable profit.

Customer(s)

(T)

The term "Customer(s)" denotes any individual, partnership, association, joint-stock company, trust, corporation, or governmental entity or any other entity which subscribes to the services offered under this Tariff, including both Interexchange Carriers (ICs) and Resellers, authorized by the North Carolina Utilities Commission.

Customer Designated Premises

(T)

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

Data Transmission (107 Type) Test Line

(T)

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

(T)

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 (2) signal powers.

Decibel Reference Noise C-Message Referenced to 0 (DBRNC)

(T)

The term "Decibel Reference Noise C-Message Referenced to 0" denotes noise measurements with C-Message weighting in decibels relative to a reference tone of 90 dB below 1 milliwatt.

Detail Billing

(T)

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 Telephone Company.

Direct-Trunked Transport

(N)

The term "Direct-Trunked Transport" denotes Switched Access Transport from the serving wire center to the end office on circuits dedicated to the use of a single access customer without tandem switching.

(N)

ACCESS SERVICE

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

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 Path Loss (EPL)

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 (TLP).

Echo Return Loss (ERL)

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

Effective 2-Wire

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

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 premises or central office.

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2. GENERAL REGULATIONS

(T)

2.6 DEFINITIONS (Cont'd)

(T)

End Office Switch

The term "End Office Switch" denotes a local Telephone Company switching system where Telephone Exchange Service Customer station loops are terminated for purposes of interconnection to each other and to trunks.

End User

The term "End User" denotes any individual, partnership, association, corporation, governmental agency or any other entity which (A) obtains a common line, uses a pay telephone or obtains intrastate service arrangements in the operating territory of the Company or (B) subscribes to intrastate service(s) provided by an IC or uses the services of the IC when the IC provides intrastate service(s) for its own use.

Entry Switch

See First Point of Switching

Envelope Delay Distortion (EDD)

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

Equal Level Echo Path Loss (ELEPL)

The term "Equal Level Echo Path Loss" denotes the measure of Echo Path Loss (EPL) at a 4-wire interface which is corrected by the difference between the send and receive 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 Telephone Company for the administration of communications service in a specified area which usually embraces a city, town or village and its environs. It consists of one or more central offices together with the associated facilities used in furnishing communications service within that area. The exchange includes any Extended Area Service area that is an enlargement of a Telephone Company's exchange area to include nearby exchanges. One or more designated exchanges comprise a given local access and transport area.

Expected Measured Loss (EMS)

The term "Expected Measured Loss" denotes a calculated loss which specified the end-to-end 1004 Hz transducer loss on a terminated test connection between two readily accessible manual or remote test points.

Firm Order Confirmation (FOC) Date

The date on which the Telephone Company confirms to the Customer that the requested services can be provided.

ACCESS SERVICE

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

First Point of Switching

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

Frequency Shift

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

Geographically Aggregated Rate (GAR)

The term "Geographically Aggregated Rate" denotes a situation in which the rates and charges for a service offering, for which there is currently no demand, are developed based upon the aggregated total revenue and demand for more than one study area. Upon receipt of a request for service, the current geographically averaged rates will be redeveloped to include the new study area.

Example: Study areas A, B, and C have been geographically aggregated. Geographically averaged rates for A and B were developed based on their aggregated total revenue and demand, while Area C, marked "GAR", has no current demand. Should C receive a request for service, the current geographically averaged rates will be redeveloped to include C's revenue and demand. The redeveloped rates and charges will now be applicable to customers in A, B, and C.

Grandfathered

The term "Grandfathered" denotes station or switching equipment 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 FCC Rules and Regulations.

Hub

Hub is a Telephone Company designated serving wire center at which bridging or multiplexing functions are performed. The bridging functions performed may be used to connect three or more Customer designated premises in a multipoint arrangement. The multiplexing functions are to channelize analog or digital facilities to individual services requiring a lower capacity or bandwidth.

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.

(M) Material omitted from this page now appears on Page 46.

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ACCESS SERVICE

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

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.

Independent Marketing Area (IMA)

(See "Local Access and Transport Area")

Individual Case Basis (ICB)

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.

Inserted Connection Loss (ICL)

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

Interexchange Carrier(s) (IC)

The term "Interexchange Carrier(s)" denotes any individual, partnership, corporation, association, or governmental agency, or any other entity, which subscribes to the services offered under this Tariff and is authorized by the North Carolina Utilities Commission by policy statement or certification to provide intrastate telecommunications services for its own use or for the use of its customers. The term "Interexchange Carrier(s)" is not to be construed to include WATS and private line customers unless said customers are certified public utilities.

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 dBs) of the transmitted composite four-tone signal power to the second-order products of the tones (R3).

Interstate Communications

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

Intrastate Service Arrangement

The term "Interstate Service Arrangement" denotes an arrangement provided pursuant to interstate tariffs, contracts or service arrangement whereby the subscriber who obtains the arrangement permits others to make calls to the telephone number assigned to the arrangement without charges.

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.

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(M) This material previously appeared on Page 45.

Gary L. Kepley, Director, Regulatory Operations
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2. GENERAL REGULATIONS

2. GENERAL REGULATIONS (Cont'd)

2.6 DEFINITIONS (Cont'd)

Jointly Used Subscriber Plant

The term "Jointly Used Subscriber Plant" denotes the local nontraffic sensitive facilities which provide connection between the Customer's service location and the exchange central office serving the Customer and which may alternatively be used to place exchange service calls, interexchange intrastate service calls, or interexchange interstate service calls with no change in the nature of the facilities.

Line Information Data Base (LIDB)

The Line Information Data Base (LIDB) is a data base containing billing validation data to support Alternate Billing Services.

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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 Tandem Switch

The term "Local Tandem Switch" denotes a local Telephone Company operating unit by means of which local or access telephonic communications are switched to and from an end office switch.

Loop Around Test Line

The term "Loop Around Test Line" denotes an arrangement of equipment located on the facility between the test location and the remote loop around test unit in an end office which provides a means for making two-way transmission tests, on a manual basis. This arrangement has two terminations, each reached by means of a separate seven-digit number and does not include network channel terminating equipment.

Loss Deviation

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

Maintenance Test Unit (MTU)

The term "Maintenance Test Unit" denotes a piece of equipment installed and maintained by the Telephone Company near the end of a transmission path on the central office side of a Customer's premises. Upon proper command, the Maintenance Test Unit can isolate a Customer's wire and terminal equipment from the network loop. It enables remote testing of the transmission path's performance to the MTU.

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ACCESS SERVICE

2. GENERAL REGULATIONS (Cont'd)

2.6 DEFINITIONS (Cont'd)

Message

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

Milliwatt (102 Type) Test Line

The term "Milliwatt (102 Type) Test Line" denotes an arrangement in an end office which provides a 1004 Hz tone at 0 dBm0 for one-way transmission measurements towards the Customer's premises from the Telephone Company end office.

Minutes of Use

See Access Minutes

Multiline Business Customer

The term "Multiline Business Customer" denotes an End User who is provided with more than one Common Line-business line in a state by the same Telephone Company under the business regulations of the General and/or Local Exchange Service tariffs of the Telephone Company.

Multijurisdictional WATS Access Line Surcharge

The term "Multijurisdictional WATS Access Line Surcharge" or Universal WATS Access Line Surcharge denotes an intrastate monthly charge which is assessed against WATS Access Line Service having the capability of carrying both intrastate and interstate traffic and may be arranged for bi-directional use.

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.

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.

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.

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2. GENERAL REGULATIONS

2.6 DEFINITIONS (Cont'd)

North American Numbering Plan

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

Off-Hook

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

On-Hook

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

Open Circuit Test Line

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

Operator Service System (OSS)

The term "Operator Service System" (OSS) denotes the group of interacting hardware (switching equipment, data links and operator terminals) and software components for the provision of Operator Service functionality.

Optical Carrier Level (n) (OC n)

The term "Optical Carrier Level (n)" denotes the physical line connection (aka facility) between two locations that uses optical signaling equipment for transmitting information over fiber optics. A level of bit rate speed transmission is indicated by "n". OC1 optical transmissions are at 51.84 Mbps; OC3 at 155.52 Mbps; OC12 at 622.08 Mbps; OC48 at 2488.32 Mbps; and OC192 at 9953.28 Mbps.

(C)
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Optical Carrier Level n Concatenated (OCnc)

The term "Optical Carrier Level n Concatenated" denotes the physical line or clear channel connection (aka facility) between two locations that is capable, using optical signaling equipment, of replacing multiple payload groupings into one larger payload grouping, resulting in a single communications channel.

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2. GENERAL REGULATIONS

2.6 DEFINITIONS (Cont'd)

Optical Carrier Rate (OC#)

The term "Optical Carrier Rate" denotes a SONET transmission signal/speed, line rate or service. The rate is in multiples of an OC1, which is equivalent to a Synchronous Transport Signal (STS1), 51.84 Mbps, SONET's basic rate. OC# rate bandwidth capacity is 155.52 Mbps for OC3, 622.08 Mbps for OC12, 2488.32 Mbps for OC48, and 9953.28 Mbps for OC192. (C)

Optical Carrier Rate Concatenated (OC#c)

The term "Optical Carrier Rate Concatenated" denotes a clear channel SONET transmission using only one framing format. For example, an OC3 signal provides three STS1 frame formats with 3 overheads for a total capacity of 2322 bytes per Synchronous Payload Envelope (SPE); in an OC3c signal, one STS3c frame format is used with one overhead, increasing the total payload capacity to 2340 bytes per SPE.

Originating Direction

The term "Originating Direction" denotes the use of Access Service for the origination of calls from an end user to an IC designated premises.

Originating Point Code (OPC)

An Originating Point Code (OPC) is assigned to identify each Operator Service System (OSS) location.

Other Tariffed Services

The term "Other Tariffed Services", as used for Collocation Services in Section 20. Following, denotes specific rate elements of this Tariff, offered by the Telephone Company, which may be interconnected to Customer Transport Facilities using Collocation Services. Such rate elements are specified in Section 20.7 following.

Pay Telephone

The term "Pay Telephone" denotes coin or coinless instruments and related facilities that are available for use by the general public for public convenience and necessity.

Personal Identification Number (PIN)

A Personal Identification Number (PIN) is a confidential four-digit code provided to a calling card customer to protect against the unauthorized use of their calling card number. The PIN is stored in the LIDB for those accounts that have an associated calling card.

Phase Jitter

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

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2. GENERAL REGULATIONS

2.6 DEFINITIONS (Cont'd)

(T)

Point of Termination

The term "Point of Termination" denotes the point of demarcation within a customer designated premises at which the Telephone Company's responsibility for the provision of Access Service ends.

Premises

The term "Premises" denotes a building or portion(s) of a building including adjacent buildings on the same continuous property not separated by a public thoroughfare.

Primary Exchange Carrier

The term "Primary Exchange Carrier" denotes the Local Exchange Telephone Company in whose exchange a customer's first point of switching (i.e., dial tone office for FGA, access tandem for FGB) is located.

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Return Loss

The term "Return Loss" denotes a measure of the similarity between the two (2) impedances at the junction of two (2) transmission channels (e.g., four-to-two-wire junctions). 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 registered with the FCC pursuant to Part 68 of the FCC's Rules and Regulations or which is grandfathered, as defined in this Section 2.6.

Secondary Exchange Carrier

The term "Secondary Exchange Carrier" denotes the Local Exchange Telephone Company in whose exchange a customer's end users and office is located and where the customer's first point of switching is provided by a primary Exchange Carrier who is not the same Exchange Carrier as the Secondary Exchange Carrier.

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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.

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2. GENERAL REGULATIONS

2.6 DEFINITIONS (Cont'd)

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 (7) digit number over the associated access connection.

Short Circuit Test Line

The term "Short Circuit Test Line" denotes an arrangement in an end office which provides for an a.c. short circuit termination of a trunk or line by means of a capacitor of at least four (4) 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.

Singing Return Loss (SRL)

The term "Singing Return Loss (SRL)" 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.

Single Line Business Customer

The term "Single Line Business Customer" denotes an end user who pays for an End User Common Line at a rate that is not described as a residential rate in the Telephone Company's General Subscriber Services Tariff and who does not obtain more than one (1) such line from the same Telephone Company.

Synchronous Optical Network (SONET)

The term "Synchronous Optical Network" denotes a North American standard for synchronous optical networks providing transmission rates from 51.84 Mbps. SONET uses a 51.84 Mbps STS-1 signal as the basic building block. Higher rate signals are available in direct multiples of STS-1.

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2. GENERAL REGULATIONS

2.6 DEFINITIONS (Cont'd)

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.

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Synchronous Transport Signal - Level (STS1)

The term "Synchronous Transport Signal - Level" denotes a 51.84 Mbps signal that is the electrical equivalent of the SONET optical based signal OC1. An STS1 can carry a DS3 or 28 DS1s when specifically formatted. However, individual DS1s within a DS3 are not accessible within SONET and their performance cannot be guaranteed for this reason. These DS1s may be accessed using the Special Access DS3 to DS1 multiplexing optional service.

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Tandem-Switched Transport

The term "Tandem-Switched Transport" denotes Switched Access Transport from the serving wire center to the end office that is switched at a tandem switch. Tandem-Switched Transport consists of circuits dedicated to the use of a single access customer from the serving wire center to the tandem (although this dedicated link will not exist if the serving wire center and the tandem are located in the same place) and circuits used in common by multiple access customers from the tandem to the end office.

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Terminating Direction

The term "Terminating Direction" denotes the use of Access Service for the completion of calls from an IC designated premises to an end user.

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Toll Free Code (TFC)

The term "Toll Free Code (TFC)" denotes a three (3) digit Numbering Plan Area (NPA) or Area Code that is specifically assigned by the telecommunications industry for use by Telecommunications Service Providers in the provision of telephone numbers that, unlike traditional telephone numbers and calls, when dialed are toll free to the originating caller. The specific codes assigned and used, or reserved for use, for this purpose are 800, 822, 833, 844, 855, 866, 877 and 888.

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Toll Free Code Service Management System (TFC SMS)

The term "Toll Free Code Service Management System (TFC SMS)" denotes the main operations support system used to create and update TFC Service records in the national TFC data base.

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Toll Free Code (TFC) Service Provider

The term "Toll Free Code (TFC) Service Provider" denotes a telecommunications company, including Local Exchange Carriers and Interexchange carriers, or a Reseller of Exchange or Interexchange Services that offers TFC Service to end users.

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(M) Material now appearing on this page previously appeared on First Revised Page 51.

ACCESS SERVICE

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

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.

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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.

Trunk

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

Trunk Group

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

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 such as a central office switch trunk circuit or switching system.

V&H Coordinates Method

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

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.

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.

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3. CARRIER COMMON LINE ACCESS SERVICE

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3. CARRIER COMMON LINE ACCESS SERVICE

The Telephone Company will provide Carrier Common Line Access Service (Carrier Common Line Access) to customers.

3.1 GENERAL DESCRIPTION

Carrier Common Line Access Service provides for the use of Telephone Company common lines by customers for access to end users to furnish Intrastate Communications.

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Carrier Common Line Access is provided where the customer obtains Telephone Company Switched Access Service under this Tariff.

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Premium Access is (1) Switched Access Service provided to ICs under this Tariff which furnish Intrastate MTS/WATS, and (2) Switched Access Service in an end office converted to equal access.

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Non Premium Access is Switched Access Service provided in an end office not yet converted to equal access to customers that do not furnish Intrastate MTS/WATS.

In addition, a Special Access Surcharge as set forth in Section 5.4.6 following will apply to intrastate Special Access Service provided by the Telephone Company to a customer, in accordance with regulations as set forth in Section 5.4.6 following.

3.2 LIMITATIONS

a. A telephone number is not provided with Carrier Common Line Access.

b. Detail billing is not provided for Carrier Common Line Access.

(M1)

c. Directory listings are not included in the rates and charges for Carrier Common Line Access.

d. Intercept arrangements are not included in the rates and charges for Carrier Common Line Access.

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

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

g. Where Switched Access Services are connected with Special Access Services at Telephone Company Designated WATS Service 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 exceptions:

(1) 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 Section 4.6.7 following of the Exchange Carrier's Access Tariff are used.

(2) Until February 28, 1987, 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 has measurement capabilities.

(M) Material previously appearing on this page now appears on Page 56.

(M1) Material previously appearing on this page now appears on Page 56.6.

(T)

ACCESS SERVICE TARIFF

CENTRAL TELEPHONE COMPANY
NORTH CAROLINA

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Third Revised Page 54
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EFFECTIVE: March 1, 2001

3. CARRIER COMMON LINE ACCESS SERVICE

3.3 UNDERTAKINGS OF THE TELEPHONE COMPANY

- a. Where the customer is provided with 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 Section 3.8 following.
- b. Where the IC is reselling MTS and/or MTS-like Services, the Telephone Company, when the IC orders line side or trunk side Switched Access, will provide Switched Access Service under this Tariff. Carrier Common Line Access Charge will apply for such access as set forth in Sections 3.7 and 3.8 following. Additionally, the rates and regulations for Switched Access Service as set forth in Section 4. following will apply. (C)

If calls originated and terminated in the same LATA are completed over facilities not authorized for intraLATA resale, the compensation plan should apply.
- c. Where the IC is reselling MTS and/or MTS-like Service of an IC and the Telephone Company provides a Special Access Service, other than Dedicated Access Line Service, for the resold service terminated at the IC terminal location, the Telephone Company will, when the IC offering the resold service orders any Switched Access, provide Special Access Service as set forth in Section 5.4.6 following. Switched Access Service as set forth in Section 4 following, Carrier Common Line Access rates and charges as set forth in Section 3.8 following apply in accordance with the regulations as set forth in Section 3.7e. following. (C)
- d. The Switched Access Service provided by the Telephone Company includes the Switched Access Service provided for both interstate and intrastate communications and the Carrier Common Line Access rates and charges as set forth in Section 3.8 following apply in accordance with the regulations as set forth in Section 3.7e. following.

3.4 OBLIGATIONS OF THE CUSTOMER

- a. The Switched Access Service associated with Carrier Common Line Access shall be ordered by the customer under other Sections of this Tariff.
- b. The customer facilities at the premises of ordering customer shall provide the necessary on-hook and off-hook supervision.
- c. Unless the customer reports (1) Intrastate Use as set forth in d. following or, (2) Feature Group A, B or D Switched Access Service as set forth in f. following, all Switched Access Service provided to the customer will be subject to Carrier Common Line Access Charges.
- d. When the customer reports interstate and intrastate use of Switched Access Service, the associated Carrier Common Line Access used by the customer for intrastate will be determined as set forth in Section 3.7e. following.
- e. Where Feature Group C and office switching is provided without Telephone Company recording and the IC records minutes of use which will be used to determine Carrier Common Line Access Charges (i.e., Feature Group C Operator and TSPS calls such as pay telephone sent-paid, operator-DDD, operator-person, collect, credit card, third number and/or other like calls), the IC shall furnish such minutes of use detail to the Telephone Company in a timely manner. If the IC does not furnish the data to the Telephone Company, the IC 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.

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EFFECTIVE: August 4, 1997

3. CARRIER COMMON LINE ACCESS SERVICE

3.4 OBLIGATIONS OF THE CUSTOMER (Cont'd)

- (T)
- f. When the customer is reselling MTS and/or MTS-type Service as set forth in Section 3.3b. preceding, the customer will be charged the Carrier Common Line Access Charges in accordance with the regulations as set forth in Section 3.7d. 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 MTS and/or MTS-type Service(s). This information shall be delivered to the Telephone Company, at a location specified by the Telephone Company, no later than fifteen (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 (2) 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.
 - g. When the customer orders Switched Access Service as set forth in f. preceding, the Telephone Company or the billing entity may request when the resold MTS is involved, a certified copy of the customer's MTS usage billing from either the customer or the provider of the MTS Service and/or when resold MTS-type Service is involved, a certified copy of the customer's MTS-type usage billing from either the customer or the provider of the MTS-type Service. The requests for this billing will relate back to no more than twelve (12) months prior to the current billing period.

3.5 PAYMENT ARRANGEMENTS

- a. The Telephone Company will bill the Carrier Common Line Access. The bill day (i.e., the billing date of the bill) in a month for each customer account will be established by the Telephone Company. Payment is due from the customer thirty-one (31) days after the bill day date (payment date) or by the next bill date (i.e., same date in the following month as the bill date), whichever is the shortest interval, and is payable in immediately available funds. If such payment date is a Saturday, Sunday or Holiday (i.e., New Year's Day, Independence Day, Labor Day, Thanksgiving Day, Christmas Day, the second Tuesday in November, and a day when Washington's Birthday, Memorial Day or Columbus Day is legally observed), payment will be due from the customer as follows:
 - If such payment date falls on a Sunday or on a Holiday which is observed on a Monday, the payment date shall be the first non-Holiday day following such Sunday or Holiday. If such payment date falls on a Saturday or on a Holiday which is observed on Tuesday, Wednesday, Thursday or Friday, the payment date shall be the last non-Holiday preceding such Saturday or Holiday.
 - b. Further, if any portion of the Carrier Common Line Access payment is received by the Telephone Company after the payment date as set forth in a. preceding, or if any portion of the Carrier Common Line Access 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 portion of the Carrier Common Line Access payment not received by the payment date times a late factor. The late factor shall be the lessor of:
- (T)

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NORTH CAROLINA

3. CARRIER COMMON LINE ACCESS SERVICE

3.5 PAYMENT ARRANGEMENTS (Cont'd)

b. (Cont'd)

- (1) The highest interest rate (in decimal value) which may be levied by law for commercial transactions, 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 (C)
- (2) 0.000333 per day, simple interest, 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. (C)

- c. In the event a billing dispute concerning a month's Carrier Common Line Access 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 b. preceding. If the customer disputes the bill on or before the payment date, and pays the undisputed amount on or before the payment date, any Late Payment Charge for the disputed amount will not start until ten (10) days after the payment date. If the billing dispute is resolved in favor of the customer, no late payment penalty will apply to the disputed amount. In addition, if the customer disputes the billed amount and pays the total amount (i.e., the non-disputed amount and the disputed amount) on or before the payment date and the billing dispute is resolved in the favor of the customer, the customer will receive a credit for a disputed amount penalty from the billing entity if the billing dispute is not resolved within ten (10) working days following the payment date or the date the customer furnishes to the billing entity documentation to support its claim plus ten (10) working days, whichever date is the later date. The disputed amount penalty shall be the disputed amount resolved in the customer's favor times a penalty factor.

3.6 RESERVED FOR FUTURE USE

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CENTRAL TELEPHONE COMPANY
NORTH CAROLINA

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3. CARRIER COMMON LINE ACCESS SERVICE

3.7 RATE REGULATIONS

- a. The Carrier Common Line Charges will be billed per access minute to each IC Switched Access Service provided under this Tariff in accordance with the regulations as set forth in b., c., d., e., and f. following.
- b. The access minutes which are used to determine the Carrier Common Line Charges will be accumulated using call detail recorded by Telephone Company equipment and Feature Group C operator and TSPS 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 IC. The Telephone Company measuring and recording equipment 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 by line group or end office, whichever type of account is used by the Telephone Company, for each IC and then rounded to the nearest minute.
- c. Application of Credit for Resold Intrastate MTS
 - (1) The Telephone Company, upon receipt of written notification from the customer, will credit the customer's Access Charges for resold MTS or MTS-type Services associated with FGA, FGB or FGD lines or trunks for which Access Charges are applicable.
 - (2) The customer is to report the total intrastate MTS or MTS-type minutes associated with FGA, FGB or FGD lines or trunks on a calendar month basis.
 - (3) The credit shall apply for originating access minutes only.
 - (4) The customer shall maintain and retain for a minimum of one (1) year, complete, detailed and accurate records, workpapers and backup documentation in form and substance to evidence the resold MTS or MTS-type data provided to the Company as set forth in (1) preceding. All of the records, workpapers and backup documentation shall be made available during normal business hours upon reasonable notification by the Telephone Company in order to permit a review by the Telephone Company Auditor, or outside Auditor under contract to the Telephone Company, or an Auditor of the North Carolina Utilities Commission.
 - (5) The customer's written notification shall be presented to the Telephone Company no later than fifteen (15) days after the first of February, May, August and November for the quarter ending the last day of December, March, June and September, respectively.

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(M) Material previously appearing on this page now appears on Page 56.0.

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3. CARRIER COMMON LINE ACCESS SERVICE

3.7 RATE REGULATIONS

- c. Application of Credit for Resold Intrastate MTS (Cont'd)
 - (6) No credit shall be given if written notification from the customer is not received as set forth in (5) preceding.
- d. When the customer is provided an access group to be used in conjunction with the resale of MTS and/or MTS-type Services as set forth in Section 3.3b. preceding, subject to the limitations of Carrier Common Line as set forth in Section 3.2 preceding, the billing entity receives the usage information required to calculate the proration of Carrier Common Line as set forth in Section 3.4f. preceding, the customer will be billed as set forth in (1), (2) or (3) following.

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(M) Material now appearing on this page previously appeared on Second Revised Page 56.

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Original Page 56.1
EFFECTIVE: August 4, 1997

3. CARRIER COMMON LINE ACCESS SERVICE

3.7 RATE REGULATIONS (Cont'd)

(T)

d. (Cont'd)

When the customer is provided with more than one (1) access group in a LATA in association with the resale of MTS and/or MTS-type Services, the resold minutes of use will be apportioned as follows:

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

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

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

The billing entity will apportion the resold inward MTS and/or MTS-type Services and terminating minutes of use for which resale credit 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 inward MTS and/or MTS-type Service minutes shall be only those attributable to intrastate inward MTS and/or MTS-type minutes (i.e., collect calls, third number calls and credit card calls) and shall not include interstate minutes of use or MTS and/or MTS-type minutes of use paid for by another party.

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

In order for the rate regulations to apply as set forth in (1), (2) or (3) 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 (2) 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 (1) state, the customer shall report the information by state within the exchange.

Each of the access group arrangements used by the customer associated 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.

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3. CARRIER COMMON LINE ACCESS SERVICE

3.7 RATE REGULATIONS (Cont'd)

d. (Cont'd)

Indirect outward connections are those arrangements where the access groups and the resold outward MTS and/or MTS-type Services are terminated 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 inward connections are those arrangements where the access groups and resold outward MTS and/or MTS-type Services are terminated 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 inward MTS and/or MTS-type Services to access groups.

The adjustments as set forth following will be compounded separately for each access group.

(1) Access Groups - Non Equal Access Offices Only

When all the usage on an access group originates from and/or terminates at end offices that have not been converted to equal access, the Non Premium Access Charge per minute as set forth in Section 3.8 following will apply. The minutes billed Carrier Common Line Access Service Charges will be the adjusted terminating intrastate access minutes plus the adjusted originating intrastate access minutes for each such access groups.

The adjusted terminating access minutes will be the terminating intrastate access minutes less the reported resold inward MTS and/or MTS-type Service minutes of use as set forth in Section 3.7d. preceding; but not less than zero (0). The adjusted originating access minutes will be the originating intrastate access minutes less the reported resold outward MTS and/or MTS-type Service minutes of use as set forth in Section 3.7d. preceding; but not less than zero (0).

(2) Access Groups - Equal Access Offices Only

When all the usage of an access group originates from and/or terminates at end offices that have been converted to equal access, the Premium Access Charge per minute as set forth in Section 3.8 following will apply. The minutes billed Carrier Common Line Access Service Charges will be the adjusted terminating intrastate access minutes and the adjusted originating intrastate access minutes for such access groups.

The adjusted terminating access minutes will be the terminating intrastate access minutes less the reported resold inward MTS and/or MTS-type Service minutes of use as set forth in Section 3.7d. preceding; but not less than zero (0). The adjusted originating access minutes will be the originating intrastate access minutes less the reported resold outward MTS and/or MTS-type Service minutes of use; but not less than zero (0).

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EFFECTIVE: October 27, 2000

3. CARRIER COMMON LINE ACCESS SERVICE

3.7 RATE REGULATIONS (Cont'd)

d. (Cont'd)

(3) Access Groups - Non Equal Access and Equal Access Offices

When an access group has usage that originates from and/or terminates at both end offices that have been converted to equal access and end offices that have not been converted, both Premium and Non Premium Per Minutes Charges as set forth in Section 3.8 following will apply, respectively. The minutes billed Carrier Common Line Access Service Charges will be the adjusted terminating intrastate access minutes plus the adjusted originating intrastate access minutes for such access groups.

The adjusted terminating access minutes will be the terminating intrastate access minutes less the reported resold inward MTS and/or MTS-type Service minutes of use as set forth in Section 3.7d. preceding; but not less than zero (0). The adjusted originating access minutes will be the originating intrastate access minutes less the reported resold outward MTS and/or MTS-type Service minutes of use as set forth in Section 3.7d. preceding; but not less than zero (0).

The adjusted originating access minutes and the adjusted terminating access minutes will be apportioned between premium and non premium access minutes using end-office specific usage data when available, or when usage data are not available, the premium and non premium ratios developed as set forth in Section 4.6.11 following. The Premium and Non Premium Per Minute Charges set forth in Section 3.8 following will apply as appropriate to the premium and non premium access minutes determined in the manner.

- (4) The adjustment as set forth in (1), (2) and (3) preceding will be made to the involved customer account no later than either the next bill date or the one subsequent to that, depending on when the usage report is obtained.
- (5) When the MTS and/or MTS-type usage is shown in hours, the number of hours shall be multiplied by sixty (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.
- (6) The adjustment as set forth in (1), (2) and (3) preceding will be made to the involved customer account after making the adjustments to the customer account as set forth in e. following.

- e. When the customer reports interstate and intrastate use of in-service Switched Access Service, the Carrier Common Line Access Charges will be billed only to intrastate Switched Access Service access minutes based on the data reported by the customer as set forth in Section 2.3.11 preceding. The intrastate Switched Access Service access minutes will, after adjustment as set forth in d. preceding, when necessary be used to determine the Carrier Common Line Charges as set forth in f. following.

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Cancels First Revised Page 56.4
EFFECTIVE: April 10, 2001

3. CARRIER COMMON LINE ACCESS SERVICE

3.7 RATE REGULATIONS (Cont'd)

f. After the adjustments as set forth in d. and e. preceding have been applied, when necessary, to the Switched Access Service access minutes, the charges for the involved customer account will be determined as follows:

- (1) Rates are applied as premium or non premium. The Non Premium Charges are determined by discounting the originating premium rate by 25%.
- (2) The access minutes for all premium rated Switched Access Service subject to Carrier Common Line Charges will be multiplied by the Premium Access per minute rates as set forth in Section 3.8 following to determine the charges.
- (3) The access minutes for all non premium rated Switched Access Service subject to Carrier Common Line Charges will be multiplied by the Non Premium Access per minute rates as set forth in Section 3.8 following to determine the charges.
- (4) Carrier Common Line Charges shall not be reduced as set forth in Section 3.3b. preceding unless Switched Access Charges, as set forth in Section 4 following, are applied to the customer's Switched Access Services.
- (5) The Terminating Premium Access or Non Premium Access, Per Minute Charge(s) apply to:
 - All terminating access minutes of use;
 - All originating access minutes of use associated with FGA Access Services where the off-hook supervisory signaling is forwarded by the customer's equipment when the called party answers;
 - All originating access minutes of use associated with calls placed to 700, Toll Free Code (TFC) and 900 numbers, less those originating minutes of use that form the basis for the percentage of originating access minutes of use reported by the customer, as set forth following, that are associated with calls placed to 700, TFC and 900 numbers that terminate in a Switched Access Service that is assessed Carrier Common Line Charges.

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EFFECTIVE: April 10, 2001

3. CARRIER COMMON LINE ACCESS SERVICE

3.7 RATE REGULATIONS (Cont'd)

f. After the adjustments ... (Cont'd)

(5) The Terminating Premium ... (Cont'd)

For originating access minutes of use associated with calls placed to 700, TFC and 900 numbers which terminate on a Switched Access Service assessed Carrier Common line charges, the customer shall report as follows: Effective on the first of January, April, July and October of each year, the customer shall provide a revised report of the percentage of total Intrastate 700, TFC and 900 originating minutes of use that terminate in a Switched Access Service assessed Carrier Common Line charges. The customer shall forward the revised report to the Telephone Company, to be received no later than fifteen (15) days after the first of each such month, (i.e., January, April, July, and October). The revised report will serve as the basis for the next three months billing (i.e., beginning the first of February, May, August, and November) and will be effective on the customer's bill date for that service. No prorating or backbilling will be done based on the report. In the event the customer does not supply a report, the Telephone Company will assume the percentage to be the same as that provided in the previous quarterly report. (Z)

If a billing dispute arises concerning the customer provided report, the Telephone Company will request that the customer provide the data the customer used to determine the percentage. The customer shall keep records from which the reported percentage can be ascertained. The Telephone Company will not request such data more than once a year. Upon request by the Telephone Company, the customer shall make records available for inspection as are reasonably necessary for purposes of verification of the percentages and shall supply the data within thirty (30) days of the Telephone Company request.

For those cases in which a report has never been received from the customer, the terminating premium access or non premium access per minute charges will apply to all 700, Toll Free Code and 900 calls.

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3. CARRIER COMMON LINE ACCESS SERVICE

3.7 RATE REGULATIONS (Cont'd)

f. After the adjustments ...(Cont'd)

(6) The Originating Premium Access or Non Premium Access, Per Minute Charge(s) apply to all originating access minutes of use:

- Less those originating access minutes of use associated with FGA Access Services where the off-hook supervisory signaling is forwarded by the customer's equipment when the called party answer;
- Less all originating access minutes of use associated with calls placed to 700, TFC and 900 numbers;
- Plus all originating access minutes of use that form the basis for the customer-provided report of the percentage of originating minutes of use associated with calls placed to 700, TFC and 900 numbers that terminate in a Switched Access Service that is assessed Carrier Common Line Charges, and for which a corresponding reduction in the number of terminating access minutes of use has been made as set forth in (5) preceding.

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CENTRAL TELEPHONE COMPANY
NORTH CAROLINA
d/b/a CENTURYLINK

Tariff NCUC No. 1
Seventh Revised Page 56.6
Cancels Sixth Revised Page 56.6
EFFECTIVE: July 2, 2013

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3. CARRIER COMMON LINE ACCESS SERVICE

3.8 RATES AND CHARGES

The rate for Carrier Common Line Access is:

Carrier Common Line Charge

Premium Access, Per Minute

- Terminating

\$0.00000

(R)

- Originating

0.000000

ACCESS SERVICE TARIFF

CENTRAL TELEPHONE COMPANY
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Fourth Revised Contents Page 1
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CENTRAL TELEPHONE COMPANY
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(C)

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4. SWITCHED ACCESS SERVICE

4.1 GENERAL

Switched Access Service, which is available to customers for their use in furnishing their services to end users, provides a two-point electrical communications path between a customer's premises and an end user's premises. It provides for the use of common terminating, common switching, switched transport facilities and common subscriber plant of the Telephone Company. Switched Access Service provides for the ability to originate calls from an end user's premises to a customer's premises and to terminate calls from a customer's premises to an end user's premises. It is typically used to originate and terminate MTS, WATS and MTS/WATS equivalent Services. (D)

Switched Access Service is provided in four (4) Feature Group arrangements. Each arrangement is differentiated by the type of connection (i.e., line side or trunk side) and the access calling pattern (e.g., 950-XXXX). A detailed description of the services available with each Feature Group is set forth in Section 4.2 following. The physical characteristics and transmission performance capabilities for Switched Access Service are contained in Section 4.5 following.

Each Switched Access Service Feature Group arrangement has four (4) rate categories: Interconnection, Switched Transport, Local Switching and Carrier Common Line. The services covered by the Interconnection, Switched Transport and Local Switching rate categories are described in Sections 4.1.2a. through c. following. The charges for these rate categories are set forth in Section 4.7 following. There is a minimum monthly charge for Switched Access Service and it is determined in accordance with Section 4.6.3 following. Carrier Common Line (CCL) is described in Section 3, preceding.

When a customer changes from one type of Feature Group to another, charges as set forth in Section 4.6.4 following shall apply. When a customer moves to a new location, charges as set forth in Section 4.6.5 following shall apply.

When Feature Group A Switched Access is provided, the customer's bill from the Telephone Company will include a credit for any Local Message Unit Charges as set forth in Section 4.6.9 following.

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4. SWITCHED ACCESS SERVICE

4.1 GENERAL (Cont'd)

4.1.1 FEATURE GROUP ARRANGEMENTS

There are four Feature Group arrangements through which Switched Access Service is provided. Following is a brief description of each. More detailed descriptions are set forth in Section 4.2.

a. Feature Group A (FGA)

FGA Access 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 and terminating communications. (C)

b. Feature Group B (FGB)

FGB Access provides trunk side access to Telephone Company end office switches with an associated uniform 950-XXXX Carrier Access Code (CAC) for the Customer's use in originating and terminating communications. (C)

c. Feature Group C (FGC)

FGC Access provides trunk side access to Telephone Company end office switches for AT&T's use in originating and terminating communications. WATS Access Lines, as described in Section 4.2.3(A)(7), may be ordered separately by an entity other than the Customer that orders the FGC Switched Access Service. Existing FGC Access will be converted to Feature Group D when it becomes available in an end office. (T)

d. Feature Group D (FGD)

FGD Access provides trunk side access to Telephone Company end office switches with an associated 101XXXX Carrier Access Code (CAC) for the Customer's use in originating and terminating communications. WATS Access Lines, as described in Section 4.2.4(A)(9), may be ordered separately by an entity other than the Customer that orders the FGD Switched Access Service. FGD is also available with End User presubscription, as set forth in Section 4.2.4(A)(6) and Section 7. Presubscribing End Users do not need to use the 101XXXX CAC to access the Customer. The provision of FGD Access is subject to local availability. (C)

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4. SWITCHED ACCESS SERVICE

(T)

4.1 GENERAL (Cont'd)

(T)

4.1.1 FEATURE GROUP ARRANGEMENTS (Cont'd)

(T)

e. Toll Free Code (TFC) Access Service

(T) (C)

(1) Description

(T)

TFC Access Service is an originating trunk side switched service that is available to the customer via TFC Access Service trunk groups, or may be provided in conjunction with FGB, FGC or FGD. The service provides for the forwarding of end user dialed TFC calls to a Telephone Company Service Switching Point (SSP) which will initiate a TFC data base query to the Telephone Company's TFC data base to perform the customer identification function. The call is forwarded to the appropriate customer based on the dialed TFC number. The customer has the option of having the TFC dialed number (e.g., 800-NXX-XXXX) or, if the TFC to Local Exchange Number Translation optional feature is specified, a translated ten (10) digit local exchange number (i.e., NPA-NXX-XXXX), delivered to the customer premises.

(C)

(C)

(C)

(C)

No access code is required for TFC Access Service. When the TFC call is originated by an end user, the Telephone Company will perform the TFC data base query based on the dialed digits to determine the customer location to which the call is to be routed. The TFC data base query will be performed from suitably equipped end offices or access tandems. If the call originates from an end office not equipped to perform the TFC data base query, the call will be routed to an access tandem at which the query function is available. Once customer identification has been established, the call will be routed to the customer. TFC calls may be routed to different customers based on the Local Access Transport Area (LATA) in which the call originates, however, calls originating from an end office switch not included in the customer's area of service for TFC Access Service will not be completed.

(C)

(C)

(C)

(C)

(M)

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(C)

The provision of TFC Access Service requires access to the TFC Service Management System (TFC SMS) by a Responsible Organization on behalf of the customer or through direct access by the customer to the TFC SMS.

(N)

When TFC Access Service originates from an end office equipped with equal access capabilities (i.e., FGD), all such service will be provisioned in accordance with the technical characteristics available with FGD. When TFC Access Service originates from an end office not equipped with equal access, such service will be provisioned in accordance with the technical characteristics available with FGC. For FGB customers, end offices lacking equal access capability or the TFC data base query function may only be served via an access tandem over FGD trunks or TFC Access Service trunk groups. Such service will be provisioned in accordance with the characteristics available with FGC or FGD. In either case, when more than one (1) access tandem is involved in the transport of a TFC Access Service call, standards transmission characteristics are not guaranteed.

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(M) Material previously appearing on this page now appears on Page 58.3.

(D)

(D)

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4. SWITCHED ACCESS SERVICE

4.1 GENERAL (Cont'd)

4.1.1 FEATURE GROUP ARRANGEMENTS (Cont'd)

e. Toll Free Code (TFC) Access Service (Cont'd)

(1) Description (Cont'd)

Unless prohibited by network considerations (e.g., different dialing plans), the customer's TFC Access Service traffic may, at the option of the customer, be combined in the same trunk group arrangement with the customer's non-TFC Switched Access traffic except as follows. Combining TFC Access Service traffic will be allowed only when the end office is equipped to perform the TFC data base query. When required by network considerations, a separate trunk group must be established for TFC Access Service.

Premium usage rates and charges apply to TFC Access Service calls originated from end offices with equal access capability or calls originated from nonconforming offices via FGC. Non premium transitional usage rates apply to TFC Access Service calls originated from end offices lacking equal access capability and routed over FGB trunks or TFC Access Service trunk groups. Additionally, the TFC Access Service Data Base Query Charge and the TFC Data Base Optional Service Features Charge associated with various options ordered by the customer, as specified in Sections 4.1.1e.(3) and 4.7.4 following also apply.

(2) Technical Specifications

TFC Access Service trunk groups are provided with either Type B or Type C Transmission Specifications as follows:

- When routed directly to the end office either Type B or Type 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 9, whether routed directly to an end office or to an access tandem.

(C)

Telephone Company switch and customer premises interfaces and design blocking criteria for Feature Group C apply to TFC Access Service.

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4. SWITCHED ACCESS SERVICE

4.1 GENERAL (Cont'd)

4.1.1 FEATURE GROUP ARRANGEMENTS (Cont'd)

e. Toll Free Code (TFC) Access Service (Cont'd)

(3) TFC Data Base Optional Service Features

In addition to the TFC call routing (e.g., 1+800-NXX-XXX) described in Section 4.1.1e.(1) preceding, at the customer's option, the Telephone Company will perform additional call routing service options as follows:

(a) TFC to Local Exchange Number Translation

This option allows a TFC Access Service customer to specify standard local exchange telephone numbers for TFC call completion at the terminating end. When a TFC call is to be routed to a local exchange telephone number, the TFC Access Service customer must provide to its Responsible Organization or to the TFC SMS, the full ten (10) digit local exchange number (NPA-NXX-XXXX) to be associated with the TFC number and indicate to which Carrier the local exchange telephone number is to be delivered. If the TFC to Local Exchange Number Translation optional feature is used, the customer will be unable to determine that such calls originated as TFC dialed calls (e.g., 1+800-NXX-XXXX) unless the customer also orders the Flexible Automatic Number Identification (Flex ANI) optional feature.

b. Customer TFC Call Routing

This option allows for routing to multiple Carriers, except as specified in Section 4.1.1e.(1) preceding, or variable terminating locations for TFC call completion based on the following criteria:

- time of day
- day of week
- specific days of the year (e.g., December 25)
- percentage of traffic (in one percent increments)
- calling telephone number (unless technical limitations exist which do not provide for originating number identification)

With this option, TFC calls can be delivered to the Carrier in either the direct dialed TFC number format or in the local exchange telephone number translated format. The customer must enter the desired format and the necessary ten (10) digit local exchange telephone number, if any, into the TFC SMS or provide such information to its Responsible Organization for handling.

The rates for the TFC Data Base Optional Service Features described above are applied on a per query basis as set forth in Section 4.7.4 following. When a combination of one (1) or more of the optional features is requested, only one (1) such charge shall apply.

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(T)(C) (M2)
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(T) (C)
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(T) (M)
(T)(C)(M1)
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(T) (C)
(C) (T)
(C)
(T)
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(C)
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(M) Material now appearing on this page previously appeared on Page 58.1.
(M1) Material now appearing on this page previously appeared on Page 58.2.
(M2) Material previously appearing on this page now appears on Page 58.4.

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4. SWITCHED ACCESS SERVICE

4.1 GENERAL (Cont'd)

4.1.1 FEATURE GROUP ARRANGEMENTS (Cont'd)

f. Interim 500 Access Service

Interim 500 Access Service is an originating service that is provided via Interim 500 Access Service switched trunk groups, or may be provided in conjunction with FGC or FGD. The service provides the customer identification function (500 NXX Screening) based on the first six (6) digits of the dialed 500 number. When a 1+500+NXX+XXXX or 0+500+NXX+XXXX call is originated by an end user, a customer identification function determines the customer to which the call is to be routed based on the NXX dialed.

When a customer requests that the Telephone Company open a 500 NXX access code for exchanges served by the Telephone Company within the state, LATA or service area subtending an access tandem, the order must include the provisioning of all Telephone Company offices within the state, LATA or all offices subtending the specified access tandem.

When Interim 500 Access Service traffic is combined in the same trunk group arrangement with other traffic, usage for the Interim 500 Access Service traffic will be aggregated with the other traffic for billing purposes. When separate trunk groups are provided for Interim 500 Access Service, usage will be provided separately. A more detailed description of Interim 500 Access Service is as set forth in Section 4.2.6. following

g. 900 Access Service

(T)

900 Access Service is an originating service that is provided via 900 Access Service switched trunk groups, or may be provided in conjunction with FGB, FGC or FGD. The service provides the customer identification function (900 NXX Screening) based on the first six (6) digits of the dialed 900 number. When a 1+900+NXX+XXXX call is originated by an end user, a customer identification function determines the customer to which the call is to be routed based on the NXX dialed.

When a customer requests that the Telephone Company open a 900 NXX access code for exchanges served by the Telephone Company within the state, LATA or service area subtending an access tandem, the order must include the provisioning of all Telephone Company offices within the state, LATA or all offices subtending the specified access tandem.

When 900 Access Service traffic is combined in the same trunk group arrangement with other traffic, usage for the 900 Access Service traffic will be aggregated with the other traffic for billing purposes. When separate trunk groups are provided for 900 Access Service, usage will be provided separately. A more detailed description of 900 Access Service is as set forth in Section 4.2.7. following.

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4. SWITCHED ACCESS SERVICE

4.1 GENERAL (Cont'd)

4.1.1 FEATURE GROUP ARRANGEMENTS (Cont'd)

h. Zone Density Charges

Zone density charges are applicable only to DS1 and DS3 switched access services (i.e., Entrance Facility, Direct-Trunked Transport, Tandem Switched Transmission, Tandem Switching, and DS1 to Voice and DS3 to DS1 Multiplexing) provided at the Telephone Company designated exchanges set forth in Section 6.7.17 following. Zone density charges are recurring rates that apply each month or fraction thereof that a DS1 or DS3 switched access service is provided. For billing purposes, each month is considered to have 30 days.

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4. SWITCHED ACCESS SERVICE

4.1 GENERAL (Cont'd)

4.1.2 RATE CATEGORIES

There are three (3) rate categories which apply to Switched Access Service:

- Switched Transport (described in Section 4.1.2b. following)
- Local Switching (described in Section 4.1.2c. following)
- Common Line (described in Section 3 preceding)

(C)

(D)

(D)

There are also charges which apply only to Interim 500, TFC and 900 Access Service. The description and application of TFC Access Service Charges are set forth in Section 4.1.1 preceding and Sections 4.6.1c. and 4.7.4 following. The description and application of Interim 500 Access Service Charges are set forth in Section 4.1.1 preceding and Sections 4.6.1c.(4) and 4.7.5 following. The description and application of 900 Access Service Charges are set forth in Section 4.1.1 preceding and Sections 4.6.1c. (5) and 4.7.6 following.

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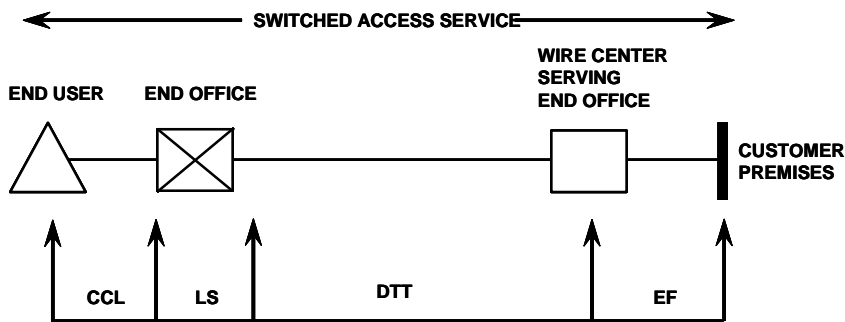
4. SWITCHED ACCESS SERVICE

4.1 GENERAL (Cont'd)

4.1.2 RATE CATEGORIES (Cont'd)

The following diagrams depict generic views of the components of Switched Access Service and the manner in which the components are combined to provide a complete Access Service.

a. DIRECT-TRUNKED TRUNK SIDE SERVICES AND ORIGINATING LINE SIDE SERVICES



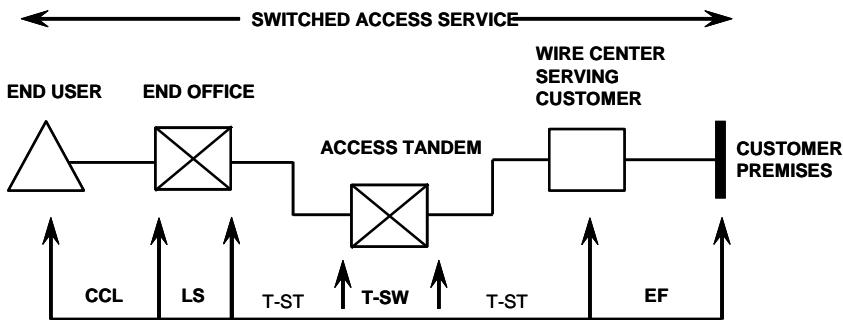
CCL: CARRIER COMMON LINE
LS: LOCAL SWITCHING
DTT: DIRECT-TRUNKED TRANSPORT
EF: ENTRANCE FACILITY

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Note: An exception to mileage measurement for originating line side services is set forth in Section 4.6.14 following (Determining Switched Transport Mileage and Charges)

b. TANDEM-SWITCHED TRUNK SIDE SERVICES



CCL: CARRIER COMMON LINE
LS: LOCAL SWITCHING
T-ST: TANDEM-SWITCHED TRANSMISSION (FIXED & PER MILE)
T-SW: TANDEM SWITCHING
EF: ENTRANCE FACILITY

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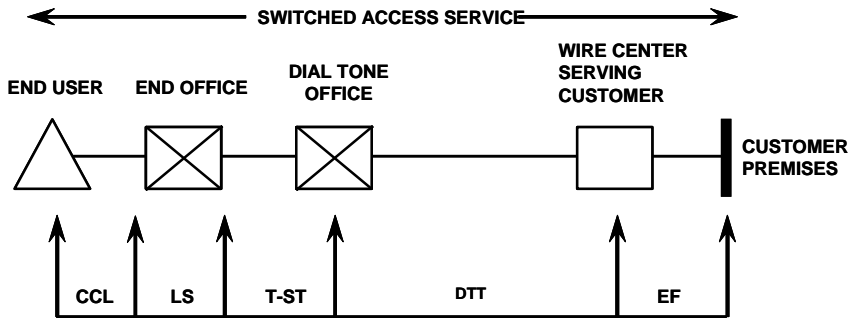
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4. SWITCHED ACCESS SERVICE

4.1 GENERAL (Cont'd)

4.1.2 RATE CATEGORIES (Cont'd)

c. TERMINATING LINE SIDE SERVICES

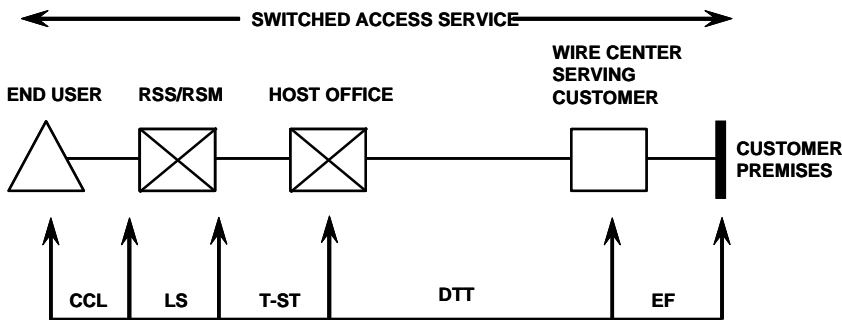


CCL: CARRIER COMMON LINE
LS: LOCAL SWITCHING
T-ST: TANDEM-SWITCHED TRANSMISSION (FIXED AND PER MILE)
DTT: DIRECT-TRUNKED TRANSPORT
EF: ENTRANCE FACILITY

(T)

(T)
(N)

d. DIRECT-TRUNKED HOST/REMOTE ARRANGEMENTS



CCL: CARRIER COMMON LINE
LS: LOCAL SWITCHING
T-ST: TANDEM-SWITCHED TRANSMISSION (FIXED AND PER MILE)
DTT: DIRECT-TRUNKED TRANSPORT
EF: ENTRANCE FACILITY
RSS/RSM: REMOTE SWITCHING SYSTEM/REMOTE SWITCHING MODULE

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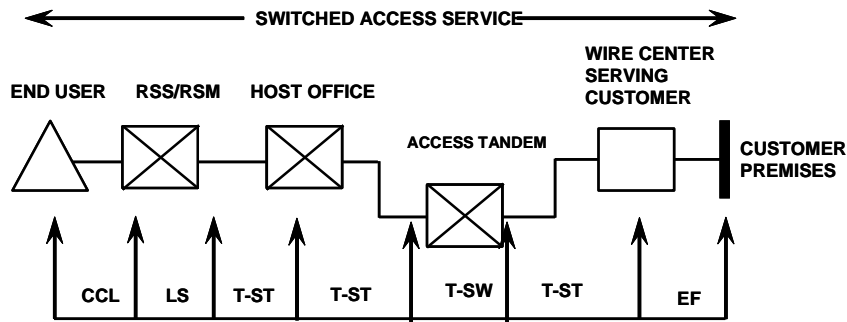
Tariff NCUC No. 1
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4. SWITCHED ACCESS SERVICE

4.1 GENERAL (Cont'd)

4.1.2 RATE CATEGORIES (Cont'd)

e. TANDEM-SWITCHED HOST/REMOTE ARRANGEMENTS



CCL: CARRIER COMMON LINE
LS: LOCAL SWITCHING
T-ST: TANDEM-SWITCHED TRANSMISSION (FIXED AND PER MILE)
T-SW: TANDEM SWITCHING
EF: ENTRANCE FACILITY
RSS/RSM: REMOTE SWITCHING SYSTEM/REMOTE SWITCHING MODULE

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(T)

4. SWITCHED ACCESS SERVICE

4.1 GENERAL (Cont'd)

4.1.2 RATE CATEGORIES (Cont'd)

(D)

a. Switched Transport

(D)

(T)

The Switched Transport rate category provides the transmission facilities between the customer's premises and the end office switch(es) where the customer's traffic is switched to originate or terminate its communications.

Switched Transport provides a one-way or two-way voice frequency transmission path composed of facilities determined by the Telephone Company which permit the transport of calls in the originating direction and in the terminating direction, though not simultaneously. This voice frequency transmission path may be comprised of any form or configuration of plant capable of, and typically used in, the telecommunications industry for transmitting voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hz.

Switched Transport is comprised of an Entrance Facility, Direct-Trunked Transport, Tandem-Switched Transport and various optional features and functions. Descriptions of the Switched Transport components are provided (1) through (4) following.

Switched Transport is ordered under the Facilities Access Order provisions set forth in Section 8. following. Ordering provisions as set forth in Section 2.4.4 preceding will apply when more than one (1) Exchange Telephone Company is involved in the provision of a Switched Transport facility.

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4. SWITCHED ACCESS SERVICE

4.1 GENERAL (Cont'd)

4.1.2 RATE CATEGORIES (Cont'd)

a. Switched Transport (Cont'd)

(T)

(1) Entrance Facility

An Entrance Facility provides the communication path between a customer's premises and the Telephone Company's serving wire center for that premises. The Entrance Facility is dedicated to the use of single customer and is available for use with all line side and trunk side Switched Access Services. An Entrance Facility is provided even if the customer's premises and the serving wire center are located in the same building.

The Entrance Facility rate element includes the transmission medium of the facility as well as certain circuit equipment that is used at the ends of the facility and employed to provision the channels on the transmission medium. The Entrance Facility rate element also includes an Interface Group as set forth in 4.5.3 following, which defines the technical characteristics and types of signaling capability associated with the connection (i.e., Voice Grade, DS1, DS3, STS1 or Optipoint) that comprises the Entrance Facility. The following types of Entrance Facilities are available:

(a) Voice Grade Entrance Facility

Voice Grade Entrance Facility is provided in quantities of channels. Each Voice Grade channel provides voice frequency transmission capability in the nominal frequency range of 300 to 3000 Hz and may be terminated two-wire or four-wire. When a single Voice Grade channel is ordered to be terminated at a customer's premises where the premises is all-digital and requires a minimum digital interface level of 1.544 Mbps, the Telephone Company will provide the required interface where facilities are available.

Technical Specifications for Voice Grade may be found in Technical Reference Publication TR-NWT-000335.

(b) DS1 Entrance Facility

DS1 Entrance Facility provides twenty-four (24) channels for the transmission of nominal 56 kbps or 1.544 Mbps isochronous serial data. The actual bit rate and framing format is a function of the channel interface selected by the customer.

Technical specifications for DS1 may be found in Technical Reference Publication GR-342.

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(T)

4. SWITCHED ACCESS SERVICE

4.1 GENERAL (Cont'd)

4.1.2 RATE CATEGORIES (Cont'd)

(T)

a. Switched Transport (Cont'd)

(1) Entrance Facility (Cont'd)

(c) DS3 Entrance Facility

DS3 Entrance Facility provides twenty-eight (28) DS1s or six hundred and seventy-two (672) channels and provides for transmission of nominal 44.736 Mbps isochronous serial data.

With DS3, an electrical interface will be installed at the customer's premises, which provides an electrical signal with a transmission speed of 44.736 Mbps per channel.

DS3 Entrance Facility rates may vary based on distance, as set forth in 4.7.2a.(3) following.

Technical Specifications for DS3 may be found in Technical Reference Publication GR-342.

(d) STS1 Entrance Facility

Synchronous Transport Signal Level 1 (STS1) channels provide for the SONET transmission of 51.84 Mbps of data. The signal consists of overhead and a Synchronous Payload Envelope (SPE). The overhead portion of the signal is used for controlling, framing and maintaining the signal. The SPE contains the customer information.

STS1 is provisioned over the Telephone Company's SONET network and may be configured as a stand alone two-point service or connected to an OC level SONET service (e.g., switched OptiPoint Service) or hubbed to an STS1/DS1 Multiplexer.

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4. SWITCHED ACCESS SERVICE

4.1 GENERAL (Cont'd)

4.1.2 RATE CATEGORIES (Cont'd)

a. Switched Transport (Cont'd) (T)

(1) Entrance Facility (Cont'd)

(d) STS1 Entrance Facility (Cont'd)

Customers ordering STS1 service must specify the interface requested (i.e., STS1 interface or DS3 interface) and how the signal is to be formatted (i.e., STS1, STS1 with VT1.5 mapping, or STS1 with DS3 mapping). An STS1 with VT1.5 mapping can be multiplexed to 28 DS1s using the STS1/DS1 Multiplexing optional feature set forth in 4.1.2(B)(5)(d) following. Virtual Tributary (VT) mapping is a SONET structure designed for the transport of sub-STS1 payloads. A DS1 is mapped into the SONET format using a VT1.5 as a packaging mechanism that is internal to the SONET signal.

Current SONET standards do not provide for asynchronous DS3 to DS1 multiplexing. An STS1 may be mapped for either one DS3 or 28 DS1s. However, individual DS1s within a DS3 are not accessible within the SONET architecture, and their performance cannot be guaranteed for this reason. When the customer requests that an STS1 be mapped as a DS3 multiplexed to the DS1 level, a DS3 to DS1 multiplexing arrangement, as set forth in 4.1.2(B)(5)(d) following will be required.

STS1 Entrance Facility rates may vary based on distance. The mileage used to determine the monthly rate for entrance facilities located outside a Telephone Company Central Office is the airline distance between the customer's designated premises and the Telephone Company serving wire center. The mileage measurement is determined by utilizing exchange maps and mileage tables located in designated Telephone Company offices for such purposes.

STS1 service is provided where SONET facilities are available with sufficient bandwidth capacity to meet the customer's request.

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EFFECTIVE: July 2, 2013

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4. SWITCHED ACCESS SERVICE

4.1 GENERAL (Cont'd)

4.1.2 RATE CATEGORIES (Cont'd)

(T)

a. Switched Transport (Cont'd)

(1) Entrance Facility (Cont'd)

(e) OptiPoint Entrance Facilities

OptiPoint entrance facilities provide point-to-point high-speed synchronous optical fiber based full duplex data transmission capabilities. A detailed service description for OptiPoint Services is set forth in 4.2.8 following.

(2) Direct-Trunked Transport

Direct-Trunked Transport provides the communication path between the serving wire center of a customer's premises and an end office. Direct-Trunked Transport is dedicated to the use of a single customer and does not require switching at an access tandem. Direct-Trunked Transport is available for use with all line side and trunk side Switched Access Services.

Direct-Trunked Transport is not available to end offices that lack recording and measuring capabilities needed to provide Direct-Trunked Transport. Direct-Trunked Transport is also not available for TFC Access Service when the required SSP function is located at the access tandem.

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4. SWITCHED ACCESS SERVICE

4.1 GENERAL (Cont'd)

4.1.2 RATE CATEGORIES (Cont'd)

a.. Switched Transport (Cont'd)

(T)

(2) Direct-Trunked Transport (Cont'd)

Direct-Trunked Transport provides for the transmission facilities between the Telephone Company's serving wire center and an end office when such facilities are not switched through an access tandem. This includes the transmission medium itself as well as certain circuit equipment that is used at the ends of the interoffice links and employed to provision the channels on the transmission medium and circuit equipment used within the network to manage the circuits at intermediate locations.

The Telephone Company applies a 50% billing percentage to the Direct-Trunked Transport Termination (fixed) rate on jointly-owned circuits, and applies 100% on wholly-owned circuits. When the Direct-Trunked Transport Facility is zero (0) (i.e., collocated serving wire centers), neither the Direct-Trunked Transport Facility (per mile) rate nor the Direct-Trunked Termination (fixed) rate will apply.

Direct-Trunked Transport also provides for the transmission facilities between the Telephone Company's serving wire center and a Hub that interconnects facilities for both Tandem-Switched Transmission and Direct-Trunked Transport.

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Cancels 3rd Revised Page 60.3
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4. SWITCHED ACCESS SERVICE

4.1 GENERAL (Cont'd)

4.1.2 RATE CATEGORIES (Cont'd)

a. Switched Transport (Cont'd)

(3) Tandem-Switched Transport

Tandem-Switched Transport provides the communication path between the serving wire center of a customer's premises and an end office, and includes tandem switching functions. Tandem-Switched Transport also includes circuits dedicated to the use of single customer (from the serving wire center to the access tandem) and circuits provided for the common use of all customers who have requested tandem switching (from the access tandem to the end office.) Tandem-Switched Transport is available for use with all trunk side Switched Access Services. Tandem-Switched Transport is not available for use with line side Switched Access Services. For examples of Tandem-Switched Transport, see Section 2.4.4, 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 4.7.2.c.(4).

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Tandem-Switched Transport provides for the transmission facilities between the Telephone Company's serving wire center and an end office that is switched through a tandem. Tandem-Switched Transport is composed of five (5) elements:

- (a) Tandem-Switched Transmission, which provides for the transmission facilities from the Telephone Company's serving wire center to an access tandem switch and from the Telephone Company's access tandem switch to an end office. This includes the transmission medium itself as well as certain circuit equipment that is used at the ends of the interoffice links and employed to derive the channels on the transmission medium, and circuit equipment used within the network to manage the circuits at intermediate locations.

The Telephone Company applies a 50% billing percentage to the Tandem-Switched Transport Termination (fixed) rate on jointly-owned circuits, and applies 100% on wholly-owned circuits. When the Tandem-Switched Transport Facility is zero (0) (i.e., collocated serving wire centers), neither the Tandem-Switched Transport Facility (per mile) rate nor the Tandem-Switched Transport Termination (fixed) rate will apply.

- (b) Tandem Switching, which provides for use of the Telephone Company's access tandem.

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Cancels First Revised Page 60.4
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4. SWITCHED ACCESS SERVICE

4.1 GENERAL (Cont'd)

4.1.2 RATE CATEGORIES (Cont'd)

a. Switched Transport (Cont'd)

(3) Tandem-Switched Transport (Cont'd)

(T)

(c) Common Transport 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 both the end office and tandem.

(N)

(d) Dedicated Transport Multiplexing provides for the use of multiplexing equipment at the end office and access tandem. The dedicated transport multiplexing rate element is a flat rated charge and is assessed at both the end office and tandem.

(e) Tandem Trunk Port provides for the use of Dedicated Trunk Port access into the access tandem at the serving wire center side of the switch.

(N)

Switched Transport is provided at the rates and charges as set forth in Section 4.7.2., following. The application of these rates with respect to individual Switched Access Service arrangements is set forth in Section 4.6., following.

The number of Switched Transport transmission paths and terminations provided is based on the customer's order and is determined by the Telephone Company as set forth in Section 4.3.5., following.

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4. SWITCHED ACCESS SERVICE

(T)

4.1 GENERAL (Cont'd)

(T)

4.1.2 RATE CATEGORIES (Cont'd)

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(M) Material previously appearing on this page now appears on Page 110.1.

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4. SWITCHED ACCESS SERVICE

(T)

4.1 GENERAL (Cont'd)

(T)

4.1.2 RATE CATEGORIES (Cont'd)

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(M) Material previously appearing on this page now appears on Page 110.2.

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4. SWITCHED ACCESS SERVICE

(T)

4.1 GENERAL (Cont'd)

(T)

4.1.2 RATE CATEGORIES (Cont'd)

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(M) Material previously appearing on this page now appears on Page 110.2.

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4. SWITCHED ACCESS SERVICE

(T)

4.1 GENERAL (Cont'd)

(T)

4.1.2 RATE CATEGORIES (Cont'd)

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(M) Material previously appearing on this page now appears on Page 110.3.

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4. SWITCHED ACCESS SERVICE

(T)

4.1 GENERAL (Cont'd)

(T)

4.1.2 RATE CATEGORIES (Cont'd)

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(M) Material previously appearing on this page now appears on Page 110.3.

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4. SWITCHED ACCESS SERVICE

(T)

4.1 GENERAL (Cont'd)

(T)

4.1.2 RATE CATEGORIES (Cont'd)

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4. SWITCHED ACCESS SERVICE

(T)

4.1 GENERAL (Cont'd)

(T)

4.1.2 RATE CATEGORIES (Cont'd)

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(M) Material previously appearing on this page now appears on Page 110.4.

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4. SWITCHED ACCESS SERVICE

(T)

4.1 GENERAL (Cont'd)

(T)

4.1.2 RATE CATEGORIES (Cont'd)

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(M) Material previously appearing on this page now appears on Page 110.5.

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4. SWITCHED ACCESS SERVICE

4.1 GENERAL (Cont'd)

4.1.2 RATE CATEGORIES (Cont'd) (T)

a. Switched Transport (Cont'd)

(4) Nonchargeable Optional Features

Where transmission facilities permit, the Telephone Company will, at the option of the customer, provide optional features in association with the Interface Groups listed in Sections 4.5.3a. through f. following. Only those Interface Groups referenced with each optional feature will be provided with that feature.

(a) Supervisory Signaling

Where the transmission parameters permit, and where signaling conversion is required by the customer to meet its signaling capability, the customer may order an optional supervisory signaling arrangement for each transmission path provided as follows:

- For Interface Groups 1 and 2
DX Supervisory Signaling,
E&M Type I Supervisory Signaling,
E&M Type II Supervisory Signaling, or
E&M Type III Supervisory Signaling
- For Interface Group 2
SF Supervisory Signaling, or
Tandem Supervisory Signaling
- For Interface Groups 6 and 9

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 entry switch provides an analog, i.e., nondigital, interface to the Transport Termination and a portion of the facility between the analog entry switch and the customer's premises is analog. These supervisory signaling arrangements are not available in combination with the SS7 Signaling feature described in Section 4.2.5 following.

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4. SWITCHED ACCESS SERVICE

4.1 GENERAL (Cont'd)

4.1.2 RATE CATEGORIES (Cont'd)

a. Switched Transport (Cont'd)

(T)

(4) Nonchargeable Optional Features (Cont'd)

(b) Improved Return Loss

This feature provides Improved Return Loss, expressed as Echo Return Loss (ERL) and Singing Return Loss (SRL), on two-wire ports of a four-wire Point of Termination. The specific parameters guaranteed are set forth in Section 4.5.1 following. This feature is available with all Feature Groups.

(c) Data Transmission Parameters

Where transmission facilities permit, the customer may order Data Transmission Parameters for each transmission path in association with Interface Groups 1 through 9.

This feature includes the provision of trouble testing by the Telephone Company, either independently or cooperatively with the customer, of parameters normally associated with data transmission. The Telephone Company will, upon receipt of a trouble report from the customer, conduct tests either independently or cooperatively with the customer as appropriate, and take any necessary action to insure that the parameters set forth in Section 4.5.2a. or Section 4.5.2b. following are met. In those cases where the customer specifically requests that Telephone Company personnel conduct tests, Maintenance of Service Charges will be imposed where applicable in accordance with Section 7.3.1 following.

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4. SWITCHED ACCESS SERVICE

4.1 GENERAL (Cont'd)

4.1.2 RATE CATEGORIES (Cont'd)

a. Switched Transport (Cont'd)

(T)

(5) Chargeable Optional Features (Cont'd)

(a) Provision of Other Than Telephone Company Selected Traffic Routing

This option allows the customer to specify a particular traffic routing for trunk groups in lieu of Telephone Company selected routing, i.e., the customer may specify that the routing be on a direct trunk basis or via an access tandem. It is available with Feature Groups B, C, D, and Interim 500, TFC and 900 Access Service.

(b) Customer Specifications of Feature Group Directionality

This option allows the customer to specify that the operation of a trunk group will be one-way originating or terminating calling in lieu of Telephone Company selected two-way calling or, alternatively, that operation will be two-way calling in lieu of Telephone Company selected one-way calling. It is available with Feature Groups B, C and D.

(c) Customer Specification of Switched Transport Termination

This option allows the customer to specify, for Feature Group B routed directly to an end office or access tandem, a four-wire termination of the Switched Transport at the entry switch in lieu of Telephone Company selected two-wire termination. This option is available only when the Feature Group B arrangement is provided with Type B Transmission Specifications.

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4. SWITCHED ACCESS SERVICE

4.1 GENERAL (Cont'd)

4.1.2 RATE CATEGORIES (Cont'd)

a. Switched Transport (Cont'd)

(T)

(5) Chargeable Optional Features (Cont'd)

(d) Multiplexing

Multiplexing provides for arrangements to convert a single higher capacity or bandwidth circuit for bulk transport to several lower capacity or bandwidth circuits. Multiplexing is only available at Telephone Company designated Hubs arranged for Multiplexing. All types of Multiplexing may not be available at each Hub location.

Listed below are the Multiplexing arrangements offered with Switched Access.

- DS1 to Voice

An arrangement that Multiplexes twenty-four (24) Voice Grade circuits to a single DS1 Digital circuit at a rate of 1.544 Mbps, or Multiplexes a single DS1 Digital circuit at a rate of 1.544 Mbps to twenty-four (24) Voice Grade circuits.

- DS3 to DS1

An arrangement that Multiplexes twenty-eight (28) DS1 Digital circuits to a single DS3 Digital circuit at rate of 44.736 Mbps, or Multiplexes a single DS3 Digital circuit at a rate of 44.736 Mbps to twenty-eight (28) DS1 Digital circuits.

- STS1/DS1 Multiplexing

An arrangement that provides transport of sub-STs1 payloads by converting an STs1 with VT1.5 mapping to 28 DS1s. The STs1/DS1 Multiplexing feature is available at Telephone Company provided fiber optic terminals equipped with VT1.5 configuration cards.

The options described in (a), (b) and (c) preceding are rated on an individual case basis with both nonrecurring charges and monthly recurring rates applying. The rates and charges applicable for the Multiplexing options described in (d) preceding are set forth in Section 4.7.2 following.

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4. SWITCHED ACCESS SERVICE

4.1 GENERAL (Cont'd)

4.1.2 RATE CATEGORIES (Cont'd)

c. Local Switching

(M)

The Local Switching rate element provides for the use of end office switching equipment for the termination of end user lines in the local end office for the termination of a call at a Telephone Company operator or recording. End user lines may be provided as either Common Lines or Special Access Channel Terminations utilized for connection with Switched Access Service at Telephone Company designated WATS Serving Offices. Common Lines are discussed in Section 3, preceding, while Special Access Channel Terminations are discussed in Section 5, following. There are various types of originating and terminating line side terminations depending on the type of signaling used (i.e., loop start or ground start). Line side terminations are available with either dial pulse or dual tone multi-frequency address signaling.

The intercept function informs a caller why a call, as dialed, could not be completed, and if possible, provides the caller with information required to complete the call.

The Local Switching Charge is divided into two (2) distinct categories, i.e., LS1 and LS2. The first category, LS1, provides local dial switching for Feature Groups A and B when the traffic originates from or terminates at an equal access end office.

The second category, LS2, provides local dial switching for Feature Groups C and D.

Where end offices are appropriately equipped, international dialing may be provided as a capability associated with LS2. 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 and FGD equipped end office.

Rates for LS1 and LS2 are set forth in Section 4.7.3., following. The application of these rates with respect to individual Feature Groups is as set forth in Section 4.6.11., following.

Included as part of Local Switching are various optional features which the customer can order to meet its specific communications requirements. These optional features are described in Section 4.2.5., following.

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(M) Material appearing on this page was previously found on Page 72.

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Cancels Fourth Revised Page 72 (T)
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4. SWITCHED ACCESS SERVICE

4.1 GENERAL (Cont'd)

4.1.2 RATE CATEGORIES (Cont'd)

c. Local Switching (Cont'd)

(T)

(1) Local Switching Trunk Ports

(M) (N)

The trunk port rate elements are defined as follows:

- Common Trunk Port

The Common Trunk Port provides for the use of shared end office trunk ports for the termination of common transport trunks for end office routed traffic.

- Dedicated Trunk Port

The Dedicated Trunk Port provides for termination of a dedicated trunk as a trunk side arrangement to an end office.

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d. Reserved for Future Use

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(M) Material previously found on this page was moved to Page 71.

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4. SWITCHED ACCESS SERVICE

4.1 GENERAL (Cont'd)

4.1.2 RATE CATEGORIES (Cont'd)

e. Interim 500 Access Service Nonrecurring Charges

(T)

(T)

The Interim 500 Access Service Nonrecurring Charge is assessed depending upon how the service is ordered:

- (1) If the service is ordered for the state or LATA, the customer charge for the assembly of route tables is assessed for each end office/tandem the Telephone Company serves in the state or LATA. A second nonrecurring charge element applies per NXX activated or deactivated, times the number of Telephone Company access tandems or end offices modified to perform six (6) digit screening for Interim 500 Access Service.
- (2) The second alternative allows for the service to be ordered to only one (1) access tandem or end office performing six (6) digit screening. The customer charge for the assembly of route tables is assessed for each end office subtending the access tandem (including a collocated end office, if applicable). A second nonrecurring charge element applies per NXX activated or deactivated, times the designated Telephone Company access tandem(s) or end office(s) modified to perform six (6) digit screening for Interim 500 Access Service. This option can be applied repetitively to different tandems to customize the intended offering area.

The Route Pattern Nonrecurring Charge applies only once, on the customer's initial request to the Telephone Company for Interim 500 Access Service in each LATA or in the state. If the customer places an order using option (2) above, the Route Pattern Nonrecurring Charge applies to each end office specified in the order received.

f. 900 Access Service Nonrecurring Charges

(T)

The 900 Access Service Nonrecurring Charge is assessed depending upon how the service is ordered:

- (1) If the service is ordered for the state or LATA, the customer charge for the assembly of route tables is assessed for each end office/tandem the Telephone Company serves in the state or LATA. A second nonrecurring charge element applies per NXX activated or deactivated, times the number of Telephone Company access tandems or end offices modified to perform six (6) digit screening for 900 Access Service.
- (2) The second alternative allows for the service to be ordered to only one (1) access tandem or end office performing six (6) digit screening. The customer charge for the assembly of route tables is assessed for each end office subtending the access tandem (including a collocated end office, if applicable). A second nonrecurring charge element applies per NXX activated or deactivated, times the designated Telephone Company access tandem(s) or end office(s) modified to perform six (6) digit screening for 900 Access Service. This option can be applied repetitively to different tandems to customize the intended offering area.

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4. SWITCHED ACCESS SERVICE

4.1 GENERAL (Cont'd)

4.1.2 RATE CATEGORIES (Cont'd)

f. 900 Access Service Nonrecurring Charges (Cont'd)

The Route Pattern Nonrecurring Charge applies only once, on the customer's initial request to the Telephone Company for 900 Access Service in each LATA or in the state. If the customer places an order using option (2) above, the Route Pattern Nonrecurring Charge applies to each end office specified in the order received.

4.1.3 CIRCUIT DESIGN LAYOUT

The Telephone Company will provide the customer at its request a Design Layout Report (DLR) setting forth the makeup of the Telephone Company facilities and services provided from the customer's premises to the first point of switching. The DLR will be provided to the customer at no additional charge. The information in the DLR will be updated whenever facilities provided to the customer are materially changed.

4.1.4 TESTING

a. Acceptance Testing

At the customer's request, The Telephone Company will cooperatively test certain parameters, at the time of installation. For line side and trunk side Feature Groups and for Voice Grade Switched Transport facilities, the Telephone Company will test the following parameters: loss, c-notched noise, c-message noise, 3-tone slope, dc. continuity, and operational signaling. For DS1 and DS3 Switched Transport facilities, Acceptance Tests will include tests for the parameters applicable to the service as specified in Technical Reference Publication GR-342. When Switched Transport is provided with Interface Groups 2, 6 and 9 and the Transport Termination is two-wire (i.e., there is a four-wire to two-wire conversion in Switched Transport), balance parameters (equal level echo path loss) will also be tested, if requested by the customer.

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Activation of 500 or 900 NXX codes will be tested by the Telephone Company by placing a test call from each end office where six (6) digit screening is performed. In locations where six (6) digit screening is performed at an access tandem with multiple subtending end offices, a minimum of one (1) subtending end office will be tested by the Telephone Company. No charge will be made for these tests.

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4. SWITCHED ACCESS SERVICE

4.1 GENERAL (Cont'd)

4.1.2 RATE CATEGORIES (Cont'd)

4.1.4 TESTING

b. In-Service Testing

At the customer's request, the Telephone Company will provide In-Service Testing of Switched Access Services after the time of installation. The customer will not be charged for these tests. These In-Service Tests will be provided on an automatic basis (i.e., no Telephone Company or customer technicians involved) or on a cooperative basis (i.e., Telephone Company technician(s) involved at the Telephone Company end office and customer technician(s) involved at the customer's premises). The parameters to be tested include: 1004 Hz loss, c-message noise and balance (return loss).

In the case of Automatic Testing, the customer shall provide remote office test lines and 105 type test lines with associated responders or their functional equivalent. When Automatic Testing is not available in a Telephone Company end office, Cooperative Testing will be substituted.

The 1004 Hz loss and c-message noise tests will be provided on a quarterly basis, while the balance test will be provided on an annual basis.

Additional Tests, for which charges do apply, are described in Section 7.3.3 following. Charges for these additional tests are set forth in Section 7.3e. following.

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4. SWITCHED ACCESS SERVICE

4.1 GENERAL (Cont'd)

4.1.5 SPECIAL FACILITIES ROUTING

A customer may request that the facilities used to provide Switched Access Service be specially routed. The regulations, rates and charges for Special Facilities Routing (i.e., Avoidance, Diversity and Cable Only) are as set forth in Section 10. following.

4.1.6 ORDERING OPTIONS AND CONDITIONS

A Facilities Access Order is the vehicle by which the customer orders, changes and discontinues Switched Access Service. The conditions under which the Facilities Access Order can be utilized are set forth in Section 8. following.

4.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE ARRANGEMENTS

Switched Access Service is provided in four (4) different Feature Group arrangements and as Interim 500, TFC and 900 Access Service. The provision of each service type requires Switched Transport facilities and the appropriate Local Switching functions. In addition, Special Access Service may, at the option of the customer, be connected with Switched Access Service at Telephone Company designated WATS Serving Offices.

There are three (3) specific standard transmission performances (i.e., Types A, B and C) that have been identified for the provision of Switched Access Service. The specific performance provided is 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 performances are set forth in Section 4.5.1 following.

In addition, Data Transmission Parameters are available on an optional basis with the four (4) Interface Groups. The Data Transmission Parameters are set forth in Section 4.5.2 following.

Feature Groups are arranged for either originating, terminating or two-way calling, based on the customer end office switching capacity ordered, while Interim 500 Access Service, TFC Access Service and 900 Access Service are arranged for originating calling only. The Telephone Company will determine the directionality of calling provided, unless the customer specifies in its order the type of directionality to be provided. Originating calling permits the delivery of calls from Telephone Company exchange locations to the customer's premises. Terminating calling permits the delivery of calls from the customer's premises to Telephone Company exchange locations. Two-way calling permits the delivery of calls in both directions, but not simultaneously. Design, selection of facilities and traffic routing are governed by Section 4.3.2 following.

(C)

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4. SWITCHED ACCESS SERVICE

4.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE ARRANGEMENTS (Cont'd)

There are various chargeable and nonchargeable optional features available with Switched Access Service.

Following are detailed descriptions of each of the available Switched Access Services. Each service is described in terms of its specific physical characteristics and calling capabilities, the transmission performances with which it is provided, optional features available for use with it and the standard testing capabilities.

The optional features, which are described in Section 4.2.5 following are offered at Telephone Company end office switches where facilities are available.

4.2.1 FEATURE GROUP A (FGA)

a. Description

- (1) FGA is provided in connection with all Telephone Company electronic end offices. 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. (C)
- (2) FGA provides a line side termination at the first point of switching. The line side termination will be provided, at the option of the customer, with either ground start supervisory signaling or loop start supervisory signaling.
- (3) 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 request.

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4. SWITCHED ACCESS SERVICE

(T)

4.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE ARRANGEMENTS (Cont'd)

(T)

4.2.1 FEATURE GROUP A (FGA) (Cont'd)

(T)

a. Description (Cont'd)

(T)

- (4) A seven (7) digit local telephone number assigned by the Telephone Company is provided for access to FGA switching in the originating direction. The seven (7) 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 (7) digit telephone number that is not currently assigned, and the Telephone Company can, with reasonable effort, comply with that request, the requested number will be assigned to the customer.

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

(C)

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

(C)

- (7) FGA switching, when used in the terminating direction, may be used to access valid NXXs in the LATA, local operator assistance (0- and 0+), Directory Assistance (411 where available and 555-1212), emergency reporting service (911 where available), exchange telephone repair (611 where available), time or weather announcement services of the Telephone Company, community information services of the Telephone Company, community information services of an information service provider and other customers' services (by dialing the appropriate digits). Charges for FGA terminating calls requiring operator assistance or calls to 611 or 911 will only apply where sufficient call details are available.

(T)

(T)

Additional Non-Access Charges will be billed on a separate account for (a) an Operator Surcharge, as set forth in the Telephone Company's General Subscriber Services Tariff, (a) for local operator assistance (0- and 0+) calls; (b) calls to certain community information services, for which rates are applicable under the Telephone Company's General Subscriber Services Tariff, e.g., 976 (DIAL-IT) Network Services and (c) 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, including intraLATA toll (1+) calls. For calls to Directory Assistance (411 where available and 555-1212), Switched Transport rates for FGA Switched Access Service will apply.

(C)

(C)

(D)

(D)

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4. SWITCHED ACCESS SERVICE

4.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE ARRANGEMENTS
(Cont'd)

4.2.1 FEATURE GROUP A (FGA) (Cont'd)

a. Description (Cont'd)

(8) 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 period of ninety (90) days, an announcement that the service associated with the number dialed has been disconnected.

b. Optional Features (Subject to Local Availability)

(1) Local Switching Optional Features

- (a) Hunt Group Arrangement
- (b) Nonhunting Number for Use with Hunt Group Arrangement
- (c) Call Restriction
- (d) Service Code Denial on Line or Hunt Group
- (e) Uniform Call Distribution Arrangement
- (f) Nonhunting Number for Use with Uniform Call Distribution Arrangement
- (g) Dual Tone Multifrequency Address Signaling
- (h) Band Advance Arrangement for Use with Special Access Service
- (i) Hunt Group Arrangement for Use with Special Access Service
- (j) Uniform Call Distribution Arrangement for Use with Special Access Service
- (k) Nonhunting Number for Use with Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use with Special Access Service

(N)
(T)
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(T)
(D)
(N)
—
(N)
(M)

(M) Material previously appearing on this page now appears on Page 77.2.

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4. SWITCHED ACCESS SERVICE

4.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE ARRANGEMENTS
(Cont'd)

4.2.1 FEATURE GROUP A (FGA) (Cont'd)

b. Optional Features (Subject to Local Availability)(Cont'd)

- (l) Two-way operation with dial pulse address signaling and loop start supervisory signaling
- (m) Two-way operation with dial pulse address signaling and ground start supervisory signaling
- (n) Two-way operation with dual tone multifrequency address signaling and loop start supervisory signaling
- (o) Two-way operation with dual tone multifrequency address signaling and ground start supervisory signaling
- (p) Terminating operation with dial pulse address signaling and loop start supervisory signaling
- (q) Terminating operation with dial pulse address signaling and ground start supervisory signaling
- (r) Terminating operation with dual tone multifrequency address signaling and loop start supervisory signaling
- (s) Terminating operation with dual tone multifrequency address signaling and ground start supervisory signaling
- (t) Originating operation with loop start supervisory signaling
- (u) Originating operation with ground start supervisory signaling

(N)

(N)

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Cancels Original Page 77.2
EFFECTIVE: March 1, 2001

4. SWITCHED ACCESS SERVICE

4.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE ARRANGEMENTS
(Cont'd)

4.2.1 FEATURE GROUP A (FGA) (Cont'd)

b. Optional Features (Subject to Local Availability)(Cont'd)

(2) Switched Transport Optional Features

(a) Supervisory Signaling

(T)

(b) Improved Return Loss

(c) Data Transmission Parameters

(N)

(3) Certain other features which may be available in connection with Feature Group A are provided under the Telephone Company's general exchange service tariff. These are:

(a) Customer Calling Features

(b) Billed Number Screening

(c) IntraLATA Extensions

c. Transmission Performance

FGA is provided with either Type B or Type C Transmission Performance. The parameters associated with these performance criteria are guaranteed to the first point of switching. Type C Transmission Performance is provided with Interface Group 1 and Type B is provided with interface Group 2, 6 and 9. Type DB Data Transmission Parameters are provided with FGA to the first point of switching.

d. Testing Capabilities

FGA is provided, in the terminating direction where equipment is available, with seven (7) digit access to balance (100 type) test line and milliwatt (102 type) test line. In addition to the Acceptance Tests described in Section 4.1.4 preceding, which are included with the installation of service, Additional Testing is available for FGA as set forth in Section 7 following.

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4. SWITCHED ACCESS SERVICE

4.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE ARRANGEMENTS
(Cont'd)

4.2.2 FEATURE GROUP B (FGB)

a. Description

- (1) 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 end office switches. (C)
- (2) 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
- (3) 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 in Section 4.2.5 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 Switched Transport provided. (M)

(M) Material previously appearing on this page now appears on Page 78.1.

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(T)

4. SWITCHED ACCESS SERVICE

4.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE ARRANGEMENTS
(Cont'd)

4.2.2 FEATURE GROUP B (FGB) (Cont'd)

a. Description (Cont'd)

- (4) The access code for FGB switching is an uniform access code. The form of the uniform access code is 950-XXXX for Carriers. This uniform access code is the assigned access number of all FGB Switched Access Service provided to the customer by the Telephone Company
- (5) FGB switching, when used in the terminating direction and routed through an access tandem, may be used to access only valid NXX codes served by end offices subtending the access tandem, time or weather announcement services of the Telephone Company, community information services of an information service provided and other customers' services (by dialing the appropriate digits). When used in the terminating direction and directly routed to an end office, FGB switching may be used to access only those valid NXX codes served by that end office, time or weather announcement services of the Telephone Company, community information services of an information provider and other customers' services (by dialing the appropriate digits). When a provider of MTS and WATS subscribes to both FGB and FGD at an equal access end office or to both FGB and FGC at any end office, all such FGB, FGC and FGD usage originating and terminating at those end offices will be subject to the premium Carrier Common Line, Switched Transport **and** Local Switching - **LS2 rates** set forth in Section 3.3 preceding and Section 4.7 following. The customer will be billed additional Non-Access Charges for calls to certain community information services for which rates are applicable under the Telephone Company's General Subscriber Services Tariff, e.g., 976 (DIAL-IT) Network Services.

(T)

(T)

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4. SWITCHED ACCESS SERVICE

4.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE ARRANGEMENTS
(Cont'd)

4.2.2 FEATURE GROUP B (FGB) (Cont'd)

a. Description (Cont'd)

(5) (Cont'd)

Additionally, Non-Access Charges will also be billed for calls from a FGB trunk to another customer's service accordance with that customer's applicable service rates when the Telephone Company performs the billing function for the customer. Calls in the terminating direction will not be completed to 950-XXXX CACs, local operator assistance (0- and 0+), Directory Assistance (411 where available or 555-1212), service codes (611 or 911 where available) or 101XXXX CACs. FGB may not be switched, in the terminating direction, to Switched Access Service Feature Groups B, C and D, or to Extended Area Service (EAS) end offices not subtending the FGB access tandem.

(6) 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 provided. 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.

(7) When all FGB switching arrangements are discontinued at an end office, an intercept announcement is provided. This arrangement provides, for a period of ninety (90) days, an announcement that the service associated with the number dialed has been disconnected.

(M)

(M) Material previously appearing on this page now appears on Page 79.1.

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4. SWITCHED ACCESS SERVICE

4.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE ARRANGEMENTS
(Cont'd)

4.2.2 FEATURE GROUP B (FGB) (Cont'd)

b. Optional Features (Subject to Local Availability)

(1) Local Switching Optional Features

- (a) Automatic Number Identification (ANI)
- (b) Rotary Dial Station Signaling Trunk
- (c) Up to 7 Digit Outpulsing of Access Digits to Customer
- (d) Alternate Traffic Routing
- (e) Band Advance Arrangement for Use with Special Access Service
- (f) Hunt Group Arrangement for Use with Special Access Service
- (g) Uniform Call Distribution Arrangement for Use with Special Access Service
- (h) Nonhunting Number for Use with Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use with Special Access Service
- (i) Multifrequency Address Signaling

(2) Switched Transport Optional Features

- (a) Provision of Other Than Telephone Company Selected Traffic Routing
- (b) Customer Specification of Feature Group Directionality
- (c) Customer Specification of Switched Transport Termination
- (d) Improved Return Loss
- (e) Supervisory Signaling (N)
- (f) Data Transmission Parameters (N)

- (3) Another feature, Bill Number Screening, which may be available in connection with Feature Group B, is provided under the Telephone Company's general exchange service tariff.

c. Transmission Performance

FGB is provided with either Type B or Type C Transmission Performance. The parameters associated with these performance criteria are guaranteed to the end office when routed directly or to the first point of switching when routed via an access tandem. Type C Transmission Performance is provided with Interface Group 1 and Type B is provided with Interface Groups 2, 6 and 9. Type DB Data Transmission Parameters are provided with FGB at the first point of switching.

(M) Material now appearing on this page previously appeared on Second Revised Page 79.

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4. SWITCHED ACCESS SERVICE

4.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE ARRANGEMENTS (Cont'd)

4.2.2 FEATURE GROUP B (FGB) (Cont'd)

d. Testing Capabilities

FGB is provided, in the terminating direction where equipment is available, with seven (7) 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, loop around test line, short circuit test line and open circuit test line. In addition to the Acceptance Tests described in Section 4.1.4 preceding, which are included with the installation of service, Additional Testing is available as set forth in Section 7 following.

4.2.3 FEATURE GROUP C (FGC)

a. Description

- (1) FGC is provided at all Telephone Company end office switches on a direct trunk basis or via Telephone Company designated access tandem switches. FGC switching is provided to the customer (i.e., providers of MTS and WATS) at an end office switch unless Feature Group D end office switching is provided in the same office. When FGD switching is available, FGC switching will not be provided.
- (2) 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.
- (3) FGC is provided with multifrequency address signaling. Up to twelve (12) digits of the called party number dialed by the 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 Switched Transport provided.

(C)

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4. SWITCHED ACCESS SERVICE

4.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE ARRANGEMENTS
(Cont'd)

4.2.3 FEATURE GROUP C (FGC) (Cont'd)

a. Description (Cont'd)

- (4) No access code is required for FGC switching. The telephone number dialed by the end user may be a seven-digit or ten-digit number for calls in the North American Numbering Plan (NANP). For international calls outside the NANP, a twelve-digit to fifteen-digit number may be dialed. The form of the numbers dialed may be NXX-XXXX, 0 or 1+ NXX-XXXX, NPA+NXX-XXXX, 0 or 1+NPA+NXX-XXXX and, when the end office is equipped for International Direct Distance Dialing (IDDD), 01+CC+NN or 011+CC+NN.
- (5) FGC switching when, used in the terminating direction, may be used to access valid NXXs in the local exchange, time or weather announcement services of the Telephone Company, community information services of an information provider and other customers' services (by dialing the appropriate codes) when the services can be reached using valid NXX codes. 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 the Telephone Company's General Subscriber Services Tariff, 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 CAC, local operator assistance (0- and 0+), Directory Assistance (411 and 555-1212), service codes (611 and 911) and 101XXXX. CACs Calls will be completed to Directory Assistance (NPA-555-1212 or 555-1212) when FGC switching is combined with Directory Assistance switching. The combination of FGC Switched Access Service with DA Service is provided as set forth in Section 9 of the CenturyLink Operating Companies Tariff F.C.C. No. 9. FGC may not be switched, in the terminating direction, to Switched Access Service Feature Groups B, C. or D.

(T)
(T)

- (6) 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 for 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.

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4. SWITCHED ACCESS SERVICE

4.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE ARRANGEMENTS
(Cont'd)

4.2.3 FEATURE GROUP C (FGC) (Cont'd)

b. Optional Features - (Subject to Local Availability)

(1) Local Switching Optional Features

- (a) Automatic Number Identification (ANI)
- (b) Service Class Routing
- (c) Dial Pulse Address Signaling
- (d) Revertive Pulse Address Signaling
- (e) Panel Call Indicator Address Signaling
- (f) Alternate Traffic Routing
- (g) Trunk Access Limitation
- (h) Operator Trunks - i.e., Pay Telephone (Pay trunks are provided only at Telephone Company electronic end offices and other Telephone Company end offices where equipment is available.)
- (i) End Office End User Line Service Screening for use with Special Access Service
- (j) Hunt Group Arrangement for use with Special Access Service
- (k) Uniform Call Distribution Arrangement for use with Special Access Service
- (l) Nonhunting Number for use with Hunt Group Arrangement or Uniform Call Distribution Arrangement for use with Special Access Service
- (m) Band Advance Arrangement for use with Special Access Service
- (n) Multifrequency Address Signaling
- (o) Delay Dial Start-Pulsing Signaling
- (p) Immediate Dial Pulse Address Signaling

(2) Switched Transport Optional Features

- (a) Supervisory Signaling (T)
- (b) Customer Specification of Feature Group Directionality
- (c) Provision of Other Than Telephone Company Selected Traffic Routing
- (d) Improved Return Loss
- (e) Data Transmission Parameters (N)

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4. SWITCHED ACCESS SERVICE

4.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE ARRANGEMENTS (Cont'd) (T)

4.2.3 FEATURE GROUP C (FGC) (Cont'd)

c. Transmission Performance

FGC is provided with either Type B or Type C Transmission Performance 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 Performance is provided with Interface Group 1 when routed directly to an end office. Type B is provided with Interface Groups 2 through 9, whether routed directly to an end office or to an access tandem.

(C)

(D)

(D)

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

(C)

(C)

(D)

(D)

d. Testing Capabilities

FGC is provided, in the terminating direction where equipment is available, with seven (7) 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, loop around test line, short circuit test line and open circuit test line. In addition to the Acceptance and In-Service Tests described in Section 4.1.4 preceding, Additional Testing is available as set forth in Section 7. following.

(T)

(T)

4.2.4 FEATURE GROUP D (FGD)

a. Description

- (1) FGD is provided at Telephone Company designated electronic end office switches whether routed directly or via Telephone Company designated electronic access tandem switches.

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4. SWITCHED ACCESS SERVICE

4.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE ARRANGEMENTS (Cont'd)

4.2.4 FEATURE GROUP D (FGD) (Cont'd)

a. Description (Cont'd)

- (2) FGD is provided as trunk side switching through the use of end office or access tandem switch trunk equipment. The switch trunk equipment is provided with wink start start-pulsing signals and answer and disconnect supervisory signaling.
- (3) FGD is provided with inband multifrequency address signaling or out-of-band SS7 Signaling. With multifrequency address signaling and SS7 Signaling, up to twelve (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 Switched Transport provided.
- (4) FGD switching, when used in the terminating direction, may be used to access valid NXXs in the local exchange, time or weather announcement services of the Telephone Company, community information services of an information service provider and other customers' services (by dialing the appropriate 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 the Telephone Company's General Subscriber Services Tariff, e.g., 976 (DIAL-IT) Network Services.

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 billing for that customer. Calls in the terminating direction will not be provided to 950-XXXX CAC, local operator assistance (0- and 0+), Directory Assistance (411 and 555-1212), service codes (611 and 911) or 101XXXX CACs. Calls will be completed to Directory Assistance (NPA-555-1212 and 555-1212) when FGD switching is combined with Directory Assistance Switching. The combination of FGD Switched Access Service with DA Service is provided as set forth in Section 9 of the CenturyLink Operating Companies Tariff F.C.C. No. 9. FGD may not be switched, in the terminating direction, to Switched Access Service Feature Groups B, C or D. (T)

- (5) 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.

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4. SWITCHED ACCESS SERVICE

4.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE ARRANGEMENTS (Cont'd)

4.2.4 FEATURE GROUP D (FGD) (Cont'd)

a. Description (Cont'd)

(6) The access code for FGD switching is a Carrier Access Code (CAC) of the form 101XXXX. These CACs will be the assigned access number of all FGD access provided to the customer by the Telephone Company. No CAC 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 Section 7 following. (C)
(C)

Where no CAC is required, the number dialed by the customer's end user shall be a seven-digit or ten-digit number for calls in the North American Numbering Plan (NANP). For international calls outside the NANP, a twelve-digit to fifteen-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. (C)
(T)
(T)

When the 101XXXX CAC 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, at the customer's option, the end-of-dialing digit (#) for cut-through access to the customer's premises. (C)

(7) FGD switching will be arranged to accept calls from telephone exchange service locations without the need for dialing the 101XXX CAC. Each telephone exchange service line may be marked with a presubscription code to identify which 101XXXX CAC its calls will be directed to for intraLATA service. Presubscription codes are applied as set forth in Section 7 following. (C)
(C)

FGD also may be used to recognize originating calls where the customer permits its end users to use a Personal Identification Number (PIN) when dialing 101XXXX to access the customer's terminal. Upon receipt of a tone, the end user will input his PIN and the called party number. Depending on the customer's capability, he may or may not receive an acknowledgment tone after dialing the PIN. This dialing method is available only to end users with DTMF address signaling. There is no additional charge for this dialing capability. (C)

When a customer has had FGB Access in an end office and subsequently replaces the FGB Access, at the mutual agreement of the customer and the Telephone Company, the Telephone Company will, for a period of ninety (90) days, direct calls dialed by the customer's end users using the customer's previous FGB CAC to the customer's FGD Access Service. The customer must be prepared to handle normally dialed FGD calls as well as dialed with the FGB CAC that requires the customer to receive additional address signaling from the end user. Such calls will be rated as FGD. (C)
(C)(T)

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Cancels Fifth Revised Page 86
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4. SWITCHED ACCESS SERVICE

4.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE ARRANGEMENTS
(Cont'd)

4.2.4 FEATURE GROUP D (FGD) (Cont'd)

b. Optional Features - (Subject to Local Availability)

(1) Local Switching Optional Features

- (a) Automatic Number Identification (ANI) to Customer Switching for recording when the Customer performs the billing
- (b) Automatic Number Identification (ANI) to the Telephone Company for recording when the Telephone Company performs the billing
- (c) Service Class Routing
- (d) Alternate Traffic Routing
- (e) Trunk Access Limitation
- (f) International Carrier Option (available only at Telephone end office or access tandem switches equipped for International Direct Distance Dialing)
- (g) End Office Customer Line Service Screening (available only at electronic end offices and other Telephone Company end offices where equipment is available)
- (h) Hunt Group Arrangement for access lines used in conjunction with Special Access Service
- (i) Uniform Call Distribution Arrangement for access lines used in conjunction with Special Access Service
- (j) Nonhunting Number for use with Hunt Group Arrangement or Uniform Call Distribution Arrangement for use with Special Access Service
- (k) Band Advance Arrangement for use with Special Access Service
- (l) Multifrequency Address Signaling
- (m) Call Gapping Arrangement
- (n) Cut-through
- (o) Flexible Automatic Number Identification (Flex ANI)
- (p) Switched 64 Clear Channel Capability (N)

(2) Switched Transport Optional Features

- (a) Supervisory Signaling
- (b) Customer Specification of Feature Group Directionality
- (c) Provision of Other Than Telephone Company Selected Traffic Routing
- (d) Improved Return Loss
- (e) Data Transmission Parameters

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4. SWITCHED ACCESS SERVICE

4.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE ARRANGEMENTS
(Cont'd)

4.2.4 FEATURE GROUP D (FGD) (Cont'd)

c. Transmission Performance

FGD is provided with either Type A, Type B or Type C Transmission Performance 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 A is provided.
- Type A is provided on the transmission path from the access tandem to the end office.

Type C Transmission Performance is provided with Interface Group 1. Type A and Type B Transmission Performance is provided with Interface Groups 2, 6 and 9.

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

d. Testing Capabilities

FGD is provided in the terminating direction where equipment is available, with seven (7) 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 Acceptance and In-Service Tests described in 4.1.4 preceding, Additional Testing is available for FGD as set forth in Section 7 following. When SS7 Signaling is ordered, network compatibility and other operational tests will be performed cooperatively by the Company and the customer as specified in Technical Reference Publication GR-905.

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4.2.5 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.

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4. SWITCHED ACCESS SERVICE (T)

4.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE ARRANGEMENTS (Cont'd) (T)

4.2.5 OPTIONAL FEATURES (Cont'd) (T)

a. Call Restriction (T)

This option allows for the screening of terminating calls and for the completion only of calls to a Telephone Company specified set of service codes and NXXs within the Telephone Company local exchange calling area of the dial tone office in which the arrangement is provided. All other "toll" calls are routed to a reorder tone or recorded announcement. It is available with Feature Group A only in those offices where such capabilities exist.

b. Service Code Denial on Line or Hunt Group (T)

This option allows for the screening of terminating calls and for disallowing completion of calls to 0- and N11. It is available with Feature Group A only in those offices where such capabilities exist.

c. Hunt Group Arrangement (T)

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.

d. Nonhunting Number for Use with Hunt Group Arrangement (T)

This option provides an arrangement for an individual line within a multiline hunt group that provides access to that line within the hunt group when it is idle or provides busy tone when it is busy, when the nonhunting number is dialed. It is available with Feature Group A only in those offices where such capabilities exist.

e. Uniform Call Distribution Arrangement (T)

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. It is available with Feature Group A only in those offices where such capabilities exist.

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4. SWITCHED ACCESS SERVICE

4.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE ARRANGEMENTS (Cont'd) (T)

4.2.5 OPTIONAL FEATURES (Cont'd)

f. Nonhunting Number for Use with Uniform Call Distribution Arrangement

This option provides an arrangement for a uniform call distribution multiline hunt group that provides access to an individual line within the hunt group when it is idle or provides busy tone when it is busy, when the nonhunting number is dialed. It is available with Feature Group A only in those offices where such capabilities exist.

g. Automatic Number Identification (ANI)

This option provides the automatic transmission of a seven (7) or ten (10) digit number and information digits to the customer's premises for calls originating in the exchange, to identify the calling station. The ANI feature is an end office software function which is associated on a call-by-call basis with (1) all individual transmission paths in a trunk group routed directly between an end office and a customer's premises or, where technically feasible, and (2) all individual transmission paths in a trunk group between an end office and an access tandem, and trunk group between an access tandem and a customer's premises.

The seven (7) digit ANI telephone number is available with Feature Group B provided using Direct-Trunked Transport and with Feature Group 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 (7) digit ANI is not available with SS7 Signaling.

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The ten (10) digit ANI telephone number is available only with FGD. The ten (10) digit ANI telephone number consists of the Numbering Plan Area (NPA) plus the seven (7) digit ANI telephone number. The ten (10) digit ANI telephone number will be transmitted on all calls except those identified as multi-party line or ANI failure, in which case only the NPA will be transmitted (in addition to the information digit described below). Ten (10) digit ANI is provided with multifrequency address signaling or SS7 Signaling.

With Feature C, ANI is provided from end offices at which Telephone Company recording for end user billing is not provided, or where it is not required, as with TFC Service. It is not provided from end offices for which the Telephone Company needs to forward ANI to its recording equipment.

Where ANI cannot be provided, e.g., on calls from certain multiparty services, information digits will be provided to the customer.

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4. SWITCHED ACCESS SERVICE

4.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE ARRANGEMENTS (Cont'd)

(T)

4.2.5 OPTIONAL FEATURES (Cont'd)

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

The information digits identify: (1) telephone number is the station billing number - no special treatment required, (2) multiparty line - telephone number is a 2-, 4- 8-party line and cannot be identified - number must be obtained via an operator or in some other manner, (3) ANI failure has occurred in the end office switch which prevents identification of calling telephone number - must be obtained by operator or in some other manner, (4) hotel/motel originated call which requires room number identification, (5) pay telephone, hospital, inmate, etc. call which requires special screening or handling by the customer and (6) call is an Automatic Identified Outward Dialed (AIOD) call from customer premises equipment. The ANI telephone number is the listed telephone number of the customer and is not the telephone number of the calling party. These ANI information digits are available with Feature Groups B, C and D.

h. Up To 7 Digit Outpulsing Of Access Digits To Customer

This option provides for the end office capability of providing up to seven (7) digits of the uniform access code (950-XXXX) to the customer's premises. The customer can request that only some of the digits in the access code be forwarded. The access code digits would be provided to the customer's premises using multifrequency signaling, and transmission of the digits would precede the forwarding of ANI if that feature were provided. It is available with Feature Group B.

i. Revertive Pulse Address Signaling

This option provides for a dc pulsing arrangement that transmits intelligence in the following manner:

- (1) The equipment at the originating location presets itself to represent the number of pulses required and to count the pulses received from the terminating location.
- (2) The equipment at the terminating location transmits a series of pulses by the momentary grounding of its battery supply until the originating location breaks the dc path to indicate that the required number of pulses has been counted.

This option is available only with Feature Group C.

j. Dial Pulse Address Signaling

This trunk side option provides for the transmission of number information, e.g., called number, between the end office switching system and the customer's designated premises (in either direction) by means of direct current pulses. It is available with Feature Groups C and D.

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4. SWITCHED ACCESS SERVICE

4.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE ARRANGEMENTS (Cont'd)

4.2.5 OPTIONAL FEATURES (Cont'd)

k. Panel Call Indicator Address Signaling

This option provides a dc pulsing arrangement in which each digit is transmitted as a series of four (4) marginal and polarized impulses. It is available only with Feature Group C.

l. Service Class Routing

This option provides the capability of directing originating traffic from an end office to a trunk group to a customer's premises, based on the line class of service (e.g., pay telephone, multiparty or hotel/motel), service prefix indicator (e.g., 0-, 0+, 01+ or 011+) or service access code (e.g., 500, 600, 700, TFC or 900). It is provided in suitably equipped end offices or access tandem switches and is available with Feature Groups C and D.

m. Alternate Traffic Routing

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's 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) or to the same or a second customer's premises. The customer shall specify the last trunk CCS desired for the high usage group. It is provided in suitably equipped end offices or access tandem switches and is available with Feature Groups B, C and D.

n. Trunk Access Limitation

This option provides for the routing of originating 500, 600, 700, TFC or 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 services 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. It is available with Feature Groups C and D.

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4. SWITCHED ACCESS SERVICE

4.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE ARRANGEMENTS (Cont'd)

(T)

4.2.5 OPTIONAL FEATURES (Cont'd)

o. Dual Tone Multifrequency Address Signaling

This option allows reception of called party address signals from the customer in the form of dual tone multifrequency (DTMF) signals. When Feature Group A arrangements are provided as part of a hunt group or uniform call distribution group, and the customer requires DTMF address signaling, then all arrangements in the hunt group or uniform call distribution group will be so equipped. This option is provided in the form of a specific type of termination. It is available with Feature Group A.

p. Rotary Dial Station Signaling

This option provides for the transmission of called party address signaling from rotary dial stations to the customer's premises for originating calls. This option is provided in the form of a specific type of Transport Termination. It is available with Feature Group B.

q. Operator Trunk - Pay Telephone

This option may be ordered to provide pay telephone 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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4. SWITCHED ACCESS SERVICE

4.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE ARRANGEMENTS (Cont'd)

(T)

4.2.5 OPTIONAL FEATURES (Cont'd)

q. Operator Trunk - Pay Telephone (Cont'd)

This arrangement provides for initial coin return control and routing of 0+, 0-, 1+, 01+ or 011+ prefixed originating pay telephone calls requiring operator assistance to the customer's premises. Because operator assisted pay telephone traffic is routed over a trunk group dedicated to operator assisted calls, this arrangement is only provided in association with the Service Class Routing option.

The operator assistance pay telephone calling arrangement is also normally ordered by the customer in conjunction with the ANI optional feature, since the preponderance of trunk groups equipped with this arrangement will be terminated in the customer's TSPS systems, rather than in the customer's manual cord boards.

When so equipped, the ANI feature provides for the forwarding of information digits which identify that the call has originated from a hotel or motel, and whether room number identification is required, or that special screening is required, e.g., for public stations, dormitory or inmate stations, or other screening arrangements agreed to between the customer and the Telephone Company.

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4. SWITCHED ACCESS SERVICE

4.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE ARRANGEMENTS (Cont'd)

4.2.5 OPTIONAL FEATURES (Cont'd)

r. Band Advance Arrangement for Use with Special Access Service

This option, which is provided in association with two (2) or more Special Access Service groups, provides for the automatic overflow of terminating calls to a Special Access Service group, when that group has exceeded its call capacity, to another Special Access Service group with a band designation equal to or greater than that of the overflowing Special Access Service group. This arrangement does not provide for call overflow from a group with a higher band designation to one with a lower one. This option is available with Feature Groups A, B, C and D.

s. End Office End User Line Service Screening for Use with Special Access Service

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 in which the WSO function is available. It is available with Feature Groups C and D. (C)

t. Hunt Group Arrangement for Use with Special Access Service

This option provides the ability to sequentially access one (1) of two (2) or more Special Access Services (e.g., TFC Service) 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.

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4. SWITCHED ACCESS SERVICE

4.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE ARRANGEMENTS
(Cont'd)

4.2.5 OPTIONAL FEATURES (Cont'd)

u. Uniform Call Distribution Arrangement for Use with Special Access Service

This option provides a type of multiline hunting arrangement which provides for an even distribution of terminating calls among the available Special Access 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.

v. Nonhunting Number for Use with Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use with Special Access Service

This option provides an arrangement for an individual Special Access Service 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. 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.

w. Multifrequency Address Signaling

This feature, available with FGB, FGC, and FGD, 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.

x. Delay Dial Start-Pulsing Signaling

This option provides a method of indicating to the near end trunk circuit readiness to accept address signaling information by the far end trunk circuit. Delay dial is often referred to as an off-hook, 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.

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4. SWITCHED ACCESS SERVICE

4.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE ARRANGEMENTS
(Cont'd)

4.2.5 OPTIONAL FEATURES (Cont'd)

y. Immediate Dial Pulse Address Signaling

This option provides for the forwarding of dial pulses from the Telephone Company end office to the customer without the need of a start-pulsing signal from the customer. It is available with Feature Group C.

z. 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.

aa. Cut-Through

This option allows end users of the customer to reach the customer's premises by using the end of dialing digit (#). This option provides for connection of the call to the premises of the customer indicated by the 101XXXX code upon receipt of the end dialing digit (#). The Telephone Company will not record any other dialed digits for these calls. This option is available with Feature Group D.

bb. Flexible Automatic Number Identification (Flex ANI)

The Flex ANI Feature provides an enhancement to the existing ANI Information Indicator (ANI II) digits which are included in the ANI optional feature as described in 4.2.5g. preceding. The flex ANI feature provides additional values for the ANI II digits that are associated with various classes of service not available with the standard ANI digits. This feature is provided per host central office on a Carrier Identification Code (CIC) basis. Flex ANI is available with Feature Group D service in equal access end offices where technically feasible and must be provisioned with the ten digit ANI optional feature.

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4. SWITCHED ACCESS SERVICE

4.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE ARRANGEMENTS
(Cont'd)

4.2.5 OPTIONAL FEATURES (Cont'd)

cc. Switched 64 Clear Channel Capability

This option provides for a connection capable of transmitting 64.0 kbps digital data with clear channel capability between the customer's designated premises and a suitably equipped end office. Switched 64 Clear Channel Capability allows a customer to transport an all zero octet over a DS1/1.544 Mbps high capacity channel providing an available combined maximum 1.536 Mbps data rate. This option requires all digital facilities, including the use of Interface Group 6 or 9, and is available only with Feature Group D from end offices capable of providing SS7 signaling, Bipolar with Eight Zero Substitution (B8ZS) line code format, and Integrated Services Digital Network (ISDN) or other switched data base services. Switched 64 Clear Channel Capability is available in suitably equipped end offices as specified in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4.

dd. 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.

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4. SWITCHED ACCESS SERVICE

4.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE ARRANGEMENTS
(Cont'd)

4.2.6 INTERIM 500 ACCESS SERVICE

a. Description

Interim 500 Access Service is an outgoing service providing the customer identification function (500 NXX screening) based on the first six (6) digits of the dialed 500 number.

Originating Interim 500 Access Service is a trunk side switched service that is available to the customer via Interim 500 Access Service trunk groups, or can be provided to the customer in conjunction with FGC or FGD Services. When combined with FGC or FGD, Interim 500 Access Service traffic can, at the option of the customer, be carried on the same group with non-500 Access traffic. When a 1+500+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 to which the call is to be routed. If the call originates from an end office not equipped to provide the customer identification function, the call will be routed to an office where the function is available. Once customer identification has been established, the call will be routed to the customer.

The manner in which Interim 500 Access Service is provided depends on whether the end office/tandem from which the call originates has equal access capability with the customer identification function. In equal access end offices/tandems which have customer identification function capability, Interim 500 Access Service is provided in accordance with technical characteristics available with FGD, either direct to the end office or via an equal access tandem on existing trunk groups.

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4. SWITCHED ACCESS SERVICE

4.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE ARRANGEMENTS
(Cont'd)

4.2.6 INTERIM 500 ACCESS SERVICE (Cont'd)

a. Description (Cont'd)

In end offices not equipped with equal access capabilities, Interim 500 Access Service will be provisioned in accordance with the technical characteristics available with FGC. At the customer's option, Interim 500 Access Service, 900 Access Service and TFC Access Service may be combined on the same trunk group. For a customer of FGC, Interim 500 Access Service can be provided through an existing trunk group or separate FGC trunk group which handles Interim 500 Access Service. At the customer's option, Interim 500 Access Service can be provided from both equal access and non-equal access end office switches over a FGD trunk group from the access tandem to the customer's premises if the customer can accept, on that trunk group, both exchange access and conventional signaling.

At the Carrier's option, all 500 attempts will be passed to the identified IC, who subsequently can screen the appropriate ANI II digits for call disposition. The ANI II digits are described in Technical Reference Publication FR-64. This option is available in technically capable equal access offices.

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Interim 500 Access Service originating from equal access end offices with the customer identification function will be provided using exchange access signaling with overlap outpulsing and ten (10) digit ANI. Interim 500 Access Service originating from equal access end offices/tandems without the customer identification function, from end offices not having equal access capability, or for calls routed through operator services, will be provided using conventional signaling. On traffic using conventional signaling, other than FGC, the customer's facilities shall provide off hook supervision upon receipt of the transmitted digits.

Premium usage rates and charges apply to Interim 500 Access Service calls originated from end offices/tandems with equal access capability or calls originated from nonconforming offices via the customer of FGC. Additionally, nonrecurring charges as specified in Section 4.1.2e. preceding and Section 4.7.5 following also apply.

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4. SWITCHED ACCESS SERVICE

4.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE ARRANGEMENTS
(Cont'd)

4.2.6 INTERIM 500 ACCESS SERVICE (Cont'd)

b. Technical Specifications

Interim 500 Access Service trunk groups are 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 9, whether routed directly to an end office or to an access tandem.

Telephone Company switch and customer premises interfaces apply to Interim 500 Access Service.

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4.2.7 900 ACCESS SERVICE

a. Description

Originating 900 Access Service is a trunk side switched service that is available to the customer via 900 Access Service trunk groups, or can be provided to the customer in conjunction with FGB, FGC or FGD Services. When combined with FGB, FGC or FGD, 900 Access Service traffic can, at the option of the customer, be carried on the same group with non-900 Access traffic. When a 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 to which the call is to be routed. If the call originates from an end office not equipped to provide the customer identification function, the call will be routed to an office where the function is available. Once customer identification has been established, the call will be routed to the customer.

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4. SWITCHED ACCESS SERVICE

4.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE ARRANGEMENTS
(Cont'd)

4.2.7 900 ACCESS SERVICE (Cont'd)

a. Description (Cont'd)

The manner in which 900 Access Service is provided depends on whether the end office from which the call originates has equal access capability and/or the customer identification function. In equal access end offices which have customer identification function capability, 900 Access Service is provided in accordance with technical characteristics available with FGD (however, ANI is required with 900 Access Service), either direct to the end office or via an equal access tandem on existing trunk groups. In end offices not equipped with equal access capabilities, 900 Access Service will be provisioned in accordance with the technical characteristics available with FGC. Customers other than customers of FGC, may only be served via an access tandem over 900 Access Service trunks when the end office lacks equal access capability or the customer identification function. At the customer's option, 900 Access Service, 500 Access Service and TFC Access Service may be combined on the same trunk group. For a customer of FGC, 900 Access Service can be provided through an existing trunk group or separate FGC trunk group which handles 900 Access Service. 900 Access Service calls which are routed through operator services will be delivered at the equal access tandem over FGC or FGD. At the customer's option, 900 Access Service can be provided from both equal access and non-equal access end office switches over a FGD trunk group from the access tandem to the customer's premises if the customer can accept, on that trunk group, both exchange access and conventional signaling.

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The Telephone Company will block calls to a 900 number dialed 1+ from pay telephones, 0+, 0-, 101XXXX, third number service, detention centers, mental institutions, hotel/motel service and calling cards. The customer may request, via an ASR to the Telephone Company, unblocking of 0+ and 0- 900 calling on all classes of services except detention centers.

At the Carrier's option, all 900 attempts will be passed to the identified IC, who subsequently can screen the appropriate ANI II digits for call disposition. The ANI II digits are described in Technical Reference Publication FR-64. This option is available in technically capable equal access offices.

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(M) Material now appearing on this page previously appeared on Second Revised Page 95.2.

(M1) Material previously appearing on this page now appears on Page 95.3.1.

ACCESS SERVICE TARIFF

CENTRAL TELEPHONE COMPANY
NORTH CAROLINA

Tariff NCUC No. 1

Original Page 95.3.1
EFFECTIVE: November 26, 2001

4. SWITCHED ACCESS SERVICE

4.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE ARRANGEMENTS
(Cont'd)

4.2.7 900 ACCESS SERVICE (Cont'd)

a. Description (Cont'd)

900 Access Service originating from equal access end offices with the customer identification function will be provided using exchange access signaling with overlap out-pulsing and ten-digit ANI. 900 Access Service originating from equal access end offices without the customer identification function, from end offices not having equal access capability, or for calls routed through Operator Services, will be provided using conventional signaling. On traffic using conventional signaling, other than FGC, the customer's facilities shall provide off hook supervision upon receipt of the transmitted digits.

Premium usage rates and charges apply to 900 Access Service calls originated from end offices with equal access capability or calls originated from nonconforming offices via the customer of FGC. Non-premium transitional usage rates apply to 900 Access Service calls originated from end offices lacking equal access capability and routed over FGB trunks or 900 Access Service trunk groups. Additionally, nonrecurring charges as specified in Section 4.1.2.e preceding and Section 4.7.5 following also apply.

b. Technical Specifications

900 Access Service trunk groups are 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 9, whether routed directly to an end office or to an access tandem.

Telephone Company switch and customer premises interfaces and design blocking criteria for Feature Group C apply to 900 Access Service.

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(M) Material now appearing on this page previously appeared on Third Revised Page 95.3.

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CENTRAL TELEPHONE COMPANY
NORTH CAROLINA

Tariff NCUC No. 1
Fourth Revised Page 95.4
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4. SWITCHED ACCESS SERVICE

4.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE ARRANGEMENTS (Cont'd)

4.2.8 OPTIPOINT SERVICES

a. Basic Service Description

OptiPoint services provide point-to-point high speed synchronous optical fiber-based full duplex data transmission capabilities. There are four levels of OptiPoint services: OptiPoint-3 (OC3) is provided at a terminating bit rate of 155.52 Mbps; OptiPoint-12 (OC12) is provided at a terminating bit rate of 622.08 Mbps; OptiPoint-48 (OC48) is provided at a terminating bit rate of 2488.32 Mbps; and OptiPoint-192 (OC192) is provided at a terminating bit rate of 9953.28 Mbps.

OptiPoint services are provided for periods of one, three or five years. When a customer orders OptiPoint service, the customer and the Telephone Company will work cooperatively to plan, engineer, provision and manage the OptiPoint circuits. (C)

(1) Entrance Facilities

OptiPoint entrance facility channels may be used to connect the following:

- a customer designated premises to another customer designated premises, configured at wire center locations between the two premises; or
- a customer designated premises to a Telephone Company location where service configuration is performed.

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CENTRAL TELEPHONE COMPANY
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Tariff NCUC No. 1
Second Revised Page 95.5
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EFFECTIVE: May 16, 2003

4. SWITCHED ACCESS SERVICE

4.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE ARRANGEMENTS
(Cont'd)

4.2.8 OPTIPOINT SERVICES (Cont'd)

a. Basic Service Description (Cont'd)

(1) Entrance Facilities (Cont'd)

(a) Based on customer requirements, OC3 service may be provisioned in the following configurations:

(i) OC3 - three Synchronous Transport Signals (STS1) channels which each contain the following:

- one DS3 or STS1 that is STS1 mapped; (C)
- up to 28 DS1s that are VT mapped;
- an STS1 channel without constraint to payload mapping; (C)
or

(ii) A single concatenated OC3c channel that is STS3c mapped.

(b) Based on customer requirements, OC12 service may be provisioned in the following configurations:

(i) OC12 - twelve STS1 channels which each contain:

- one DS3 or STS1 that is STS1 mapped; (C)
- up to 28 DS1s that are VT mapped;
- an STS1 channel without constraint to payload mapping; (C)

(ii) Up to four concatenated OC3c channels that are STS3c mapped;

(iii) From one to three OC3c channels that are STS3c mapped, mixed with from three to nine STS1 channels subject to utilization of the total OC12 capacity; or

(iv) A single concatenated OC12c channel that is STS12c mapped. (C)

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CENTRAL TELEPHONE COMPANY
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4. SWITCHED ACCESS SERVICE

4.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE ARRANGEMENTS
(Cont'd)

4.2.8 OPTIPOINT SERVICES (Cont'd)

a. Basic Service Description (Cont'd)

(1) Entrance Facilities (Cont'd)

Current SONET standards do not provide for asynchronous DS3 to DS1 multiplexing. An STS1 channel may be mapped for either one DS3 or 28 DS1s. However, DS1s within a DS3 are not accessible within the SONET architecture, and their performance cannot be guaranteed for this reason. When the customer requests that an OC3, OC12, OC48 or OC192 service be configured with a combination of DS3 and DS1 channels, a DS3 to DS1 multiplexing arrangement, as set forth in 4.1.2b.(5)(d) preceding will be required. (C)

Upon ordering OptiPoint service, the customer is responsible for identifying the STS signal configuration. This information is used in determining the route and connection in the network. If a new configuration is requested subsequent to the initial activation, a service reconfiguration charge will apply on a per service basis, as set forth in Section 4.7.2d.(11). The service reconfiguration charge is in addition to all applicable configuration node and configuration card charges associated with the new configuration. (C) (M) (T) (M)

(M) Material now appearing on this page previously appeared on First Revised Page 95.6.

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CENTRAL TELEPHONE COMPANY
NORTH CAROLINA

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Second Revised Page 95.7
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EFFECTIVE: May 16, 2003

4. SWITCHED ACCESS SERVICE

4.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE ARRANGEMENTS (Cont'd)

4.2.8 OPTIPOINT SERVICES (Cont'd)

a. Basic Service Description (Cont'd)

(1) Entrance Facilities (Cont'd)

OptiPoint service is provided with electronics that automatically activate in case of failure of the primary electronics. Since OptiPoint is a point-to-point service, SONET ring survivability will not be available. Rates for additional protection options requested by the customer will be quoted on an individual case basis and are in addition to the rates for OC3, OC12, OC48 and OC192 service. (C)

OptiPoint entrance facilities provided to a customer's designated premises will be installed in a single, common space under Telephone Company control. An OptiPoint entrance facility may not be split between premises or terminated in multiple locations within a premises. The customer must provide suitable floor space, environmental controls and non-switched AC power to support the OptiPoint entrance facility at the customer's premises location.

OptiPoint entrance facilities will be provided with or without Telephone Company provided terminal equipment at the customer's premises. When a customer elects to furnish its own terminal equipment at the customer's premises, the customer will work cooperatively with the Telephone Company to provide a compatible physical interface, and will identify approved equipment types for use in conjunction with Telephone Company provided equipment. The customer is responsible for providing all facilities and cabling necessary to connect customer provided equipment to this interface.

OC3, OC12, OC48 and OC192 services may be configured for lower bandwidth services, at suitably equipped wire centers, by using appropriate OC3, OC12, OC48 or OC192 configuration nodes as set forth in (2) following. (C)

OptiPoint entrance facilities are available only where facilities and operating conditions permit. The Telephone Company will work cooperatively with the customer to determine if suitable existing Telephone Company SONET based facilities are available to provide the service. The Telephone Company will not provision this service on facilities which are not suitable for OptiPoint. Where facilities and/or operating conditions do not permit the provision of OptiPoint entrance facilities, and the customer desires the Telephone Company to provision OptiPoint service, Special Construction charges, as set forth in Section 9 following, may apply.

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CENTRAL TELEPHONE COMPANY
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4. SWITCHED ACCESS SERVICE

4.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE ARRANGEMENTS
(Cont'd)

4.2.8 OPTIPOINT SERVICES (Cont'd)

a. Basic Service Description (Cont'd)

(2) Service Configuration

There are two types of charges associated with a service configuration as described following:

- (a) Configuration Node - is an arrangement at the system level that allows an OC3 service bandwidth to add or drop lower level signals up to three DS3s or STS1s or three groups of twenty-eight DS1s. An OC12 service bandwidth can add or drop lower level signals up to four OC3s or twelve DS3s or STS1s or equivalent combinations of OC3s, DS3s or STS1s and DS1s. An OC48 service bandwidth can add or drop lower level signals up to four OC12s, sixteen OC3s, forty-eight DS3s or STS1s, or equivalent combinations of OC12s, OC3s, DS3s and STS1s. An OC192 service bandwidth can add or drop lower level signals up to four OC48s, sixteen OC12s, sixty-four OC3s, one hundred ninety-two DS3s or STS1s or equivalent combinations of OC48s, OC12s, OC3s, DS3 and STS1s.

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(C)

When the customer requests that a DS1 channel be connected to an OC48 or OC192 service terminating at a Telephone Company central office, a DS3 to DS1 or STS1 to DS1 multiplexing arrangement, as set forth in 4.1.2b.(5)(d) preceding, may be required.

(C)
(C)

Direct trunked transport can be connected between serving wire centers with configuration nodes at a lower OC-n speed than the channel termination, if the transport is between a lower speed configuration function and one of the following:

- another lower speed configuration function; or
- another lower speed channel termination

All of the above terminations must be provided at the same speed as the transport.

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4. SWITCHED ACCESS SERVICE

4.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE ARRANGEMENTS
(Cont'd)

4.2.8 OPTIPOINT SERVICES (Cont'd)

a. Basic Service Description (Cont'd)

(2) Service Configuration

- (b) Configuration Card - provides for the interface at which a channelized or lower speed service terminates or originates from an OptiPoint optical line terminated at a customer designated premises or a Telephone Company central office. DS1, DS3, OC3 concatenated, and STS-1 level cards are available for interfacing OptiPoint-3 service with lower level signals. DS1, DS3, OC3, OC3 concatenated, OC12 concatenated, and STS-1 level cards are available for interfacing with OptiPoint-12 service. DS3, OC3, OC12, OC3 concatenated, OC12 concatenated, and STS-1 level cards are available for interfacing with OptiPoint-48 service. DS3, OC3, OC12, OC48, OC3 concatenated, OC12 concatenated, OC48 concatenated and STS-1 level cards are available for interfacing with OptiPoint 192 service. When full OC3 and OC12 concatenated service is provided, no configuration node is required.

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When a customer requests an OptiPoint service configuration, both the applicable node and card rate elements will apply. The rates for the configuration node and associated card(s) apply at each end office, and at each end of the entrance facility when Telephone Company provided terminal equipment is provided at the customer premises.

When the customer elects to furnish its own terminal equipment at the customer premises, the rates for the configuration node and associated card(s) apply only at the end of the entrance facility where Telephone Company equipment is provided.

Due to technical limitations of SONET facilities, additional regeneration equipment may be required for essential detection and retransmission of SONET signals between the customer's premises and the Telephone Company serving wire center for that premises. Additional regeneration equipment will only be provided by the Telephone Company when the actual fiber facility distance between the customer's premises and serving wire center exceeds SONET design limits. In such situations, the customer will be charged for the additional electronics on an individual case basis.

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Rates and charges for the configuration node and configuration cards are set forth in 4.7.2 following. Additional labor charges as set forth in Section 7 following will apply to configuration changes for STS level service.

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CENTRAL TELEPHONE COMPANY
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4. SWITCHED ACCESS SERVICE

4.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE ARRANGEMENTS
(Cont'd)

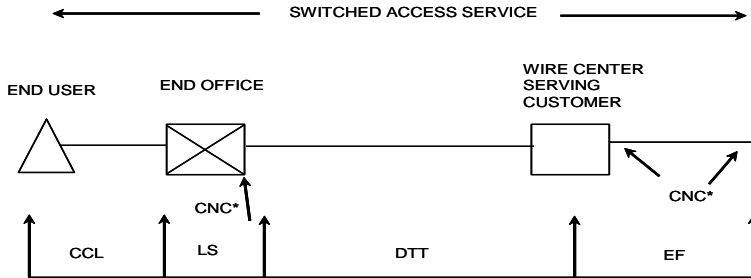
4.2.8 OPTIPOINT SERVICES (Cont'd)

a. Basic Service Description (Cont'd)

(2) Service Configuration

The following diagrams depict generic views of the components of OptiPoint Service.

(a) OptiPoint Service with Telephone Company Provided Terminal Equipment at the Customer Premises

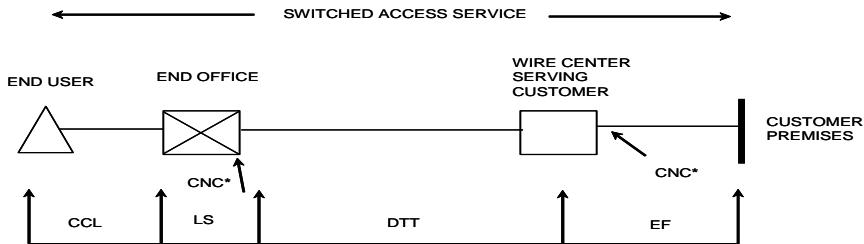


CCL: CARRIER COMMON LINE
LS: LOCAL SWITCHING
DTT: DIRECT-TRUNKED TRANSPORT
EF: ENTRANCE FACILITY
CNC: CONFIGURATION NODE & CARDS
* WHERE APPLICABLE

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(b) OptiPoint Service without Telephone Company Provided Terminal Equipment at the Customer Premises



CCL: CARRIER COMMON LINE
LS: LOCAL SWITCHING
DTT: DIRECT-TRUNKED TRANSPORT
EF: ENTRANCE FACILITY
CNC: CONFIGURATION NODE & CARDS
* WHERE APPLICABLE

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4. SWITCHED ACCESS SERVICE

4.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE ARRANGEMENTS
(Cont'd)

4.2.8 OPTIPOINT SERVICES (Cont'd)

b. Regulations

The rates and charges for OptiPoint services are set forth in Section 4.7.2 following and are in addition to any applicable rates and charges set forth in any other sections of this tariff. Nonrecurring charges and monthly recurring rates applicable for OptiPoint service are billed in advance. A nonrecurring service upgrade charge as described in Section 4.6.1c.(3) following may also apply to OptiPoint services.

(C)

(1) Nonrecurring charges are one time charges that apply for a specific work activity (i.e., installation of service) and are developed at full cost recovery on labor hours per labor time basis. For customers who elect the one year commitment period the nonrecurring charge will apply for the installation of the service. However, if at the end of the one year commitment period the customer elects to renew their one year commitment plan, a nonrecurring charge will not apply for the renewal.

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(2) Monthly recurring charges are flat recurring rates that apply each month or fraction thereof that a specific rate element is provided regardless of the amount of usage. For billing purposes, each month is considered to have 30 days.

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(3) OptiPoint service is available for minimum commitment periods of three or five years. If the customer requests that service be discontinued prior to the expiration of the one, three or five year minimum commitment period, a 50 percent penalty will be assessed for the remaining months of the term. For example, if a customer who has selected the three year option terminates service in month 12, they will be charged 50 percent of the remaining 24 months of billing. Additionally, customers may discontinue service, without penalty, should the monthly recurring rates increase by 10 percent or more at any one time. If the customer does not specify renewal terms in writing 90 days prior to the expiration of the one, three or five year service period, the commitment period and OptiPoint rates in effect at the time of expiration will automatically renew. The customer can terminate OptiPoint service at the end of the minimum commitment period with no penalty or obligation to continue the service.

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4. SWITCHED ACCESS SERVICE

4.3 OBLIGATIONS OF THE TELEPHONE COMPANY

(M)

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

4.3.1 NETWORK MANAGEMENT

The Telephone Company will manage its network in a nondiscriminatory manner to ensure the optimum use of the call carrying capacity of the network and to minimize the effects of traffic overloads and machine or facility failures. The Telephone Company maintains the right to apply protective controls, such as the blocking or rerouting of Customer traffic, in order to prevent or minimize the degradation of those service performance standards to other Customers. Where application of protective controls by the Telephone Company results in the interruption of a Customer's service, the provisions for credit allowance set forth in Section 2.4 shall apply.

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(M) Material now appearing on this page previously appeared on Original Page 95.4.

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4. SWITCHED ACCESS SERVICE

4.3 OBLIGATIONS OF THE TELEPHONE COMPANY (Cont'd)

4.3.2 DESIGN AND TRAFFIC ROUTING OF SWITCHED ACCESS SERVICE

When ordering line side or trunk side Switched Access Services, the customer must, at a minimum, specify the Switched Transport facilities to be used (i.e., Entrance Facility, Direct-Trunked Transport and Tandem-Switched Transport). When specifying the Switched Transport facilities to be used, the customer must indicate if the facilities are new or existing. The customer is also required to specify whether the service should be provided by originating only, terminating only or two-way trunk groups.

For Feature Groups A and B, the line or trunk directionality and traffic routing of the Switched Access Service between the customer's premises and the entry switch are determined by the customer's order for service. The Telephone Company will compare the customer's request with its own traffic routing plan and available facilities and equipment to determine whether the customer's request can be met. The Telephone Company is responsible for selection of facilities from the interface to any switching point and to the end offices where capacity is ordered.

Except for Feature Group B, the Telephone Company will also 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 the Telephone Company traffic routing plans. If the customer desires routing or directionality different from that determined by the Telephone Company, the Telephone Company will work cooperatively with the customer in determining (1) whether the service is to be routed directly to an end office or through an access tandem switch and (2) the directionality of the service. Additionally, for Feature Group B, the customer may order the optional feature Customer Specification of Switched Transport Termination.

In the event a customer converts from FGA Service to FGB Service, the Telephone Company will (where the capability exists) route calls from the FGA circuits to the FGC circuits for a one-year period from the date FGA Service is terminated. No additional charge will apply for this call-forwarding function.

4.3.3 PROVISION OF SERVICE PERFORMANCE DATA

Service performance data for Switched Access Service will be made available for testing requested by the customer, based on previously arranged intervals and format. This data may include, but it is not limited to: customer equipment blockage, failure results and transmission performance. If the customer requests that the data be provided in other than a paper format, the cost of such exchange will be determined on an individual case basis and will be borne by the customer.

4.3.4 TRUNK GROUP MEASUREMENTS REPORTS

Trunk group data in the form of usage in CCS, peg count and overflow will be made available to the customer based on previously agreed to intervals, subject to availability.

4.3.5 DETERMINATION OF NUMBER OF TRANSMISSION PATHS

When ordering Switched Access Services in line quantities for Feature Group A or trunk quantities for Feature Groups B, C or D, the customer shall specify the number of transmission paths in lines or trunks based on their expected originating and terminating traffic.

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(C)

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CENTRAL TELEPHONE COMPANY
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First Revised Page 97
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4. SWITCHED ACCESS SERVICE

(T)

4.3 OBLIGATIONS OF THE TELEPHONE COMPANY (Cont'd)

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4.3.6 DETERMINATION OF NUMBER OF END OFFICE TERMINATIONS

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For analog end office switched, a termination will be provided for each Feature Group line or trunk requested. For digital end office switches, an equivalent termination will be provided for each Feature Group line or trunk provided.

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(C)

4.3.7 DESIGN BLOCKING PROBABILITY

(T)

a. For Feature Groups A and B, the level of blocking is a function of the number of circuits ordered by the customer and the traffic offered over those circuits.

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b. For Feature Group C and Feature Group D, the Telephone Company will design facilities to adhere to a blocking objective no greater than one percent (.01) between the point of interface at the customer's premises and the first point of switching. 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.

(T)(D)

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c. 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 be ordered by the customer when additional paths are required to reduce the measured blocking to the designed blocking level. 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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ACCESS SERVICE

4. Switched Access Service (Cont'd)

4.3 Obligations of the Telephone Company (Cont'd)

4.3.7 Design Blocking Probability (Cont'd)

(C) (Cont'd)

- (1) For transmission paths carrying only first routed traffic direct between an end office and a Customer 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>	<u>Measured Blocking Thresholds In The Time Consistent Busy Hour for the Number of Average Business Day Measurements Per Trunk Group</u>			
	<u>15-20 Measurements</u>	<u>11-14 Measurements</u>	<u>7-10 Measurements</u>	<u>3-6 Measurements</u>
2	.070	.080	.090	.140
3	.050	.060	.070	.090
4	.050	.060	.070	.080
5-6	.040	.050	.060	.070
7-336	.030	.035	.040	.060
337-504	.025	.030	.035	.055
505 or more	.020	.025	.030	.050

- (2) For transmission paths carrying first routed traffic between an end office and a Customer designated premises via an access tandem, the measured blocking thresholds are as follows:

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Effective: July 1, 1988

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Vice President – Operations
Central Telephone Company – North Carolina
120 4th Street S.W.
Hickory, North Carolina 28601

ACCESS SERVICE

4. Switched Access Service (Cont'd)

4.3 Obligations of the Telephone Company (Cont'd)

4.3.7 Design Blocking Probability (Cont'd)

(C) (Cont'd)

Number of Transmission Paths Per Trunk Group	Measured Blocking Thresholds In The Time Consistent Busy Hour for the Number of Average Business Day Measurements Per Trunk Group			
	15-20 Measurements	11-14 Measurements	7-10 Measurements	3-6 Measurements
2	.045	.055	.060	.095
3	.035	.040	.045	.055
4	.035	.040	.045	.055
5-6	.025	.035	.040	.045
7-336	.020	.025	.030	.040
337-504	.015	.020	.025	.035
505 or more	.010	.015	.020	.030

4.4 Obligations of the Customer

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

4.4.1 Report Requirements

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

(A) 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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CENTRAL TELEPHONE COMPANY
NORTH CAROLINA

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4. SWITCHED ACCESS SERVICE

4.4 OBLIGATIONS OF THE CUSTOMER (Cont'd) (T)

4.4.1 REPORT REQUIREMENTS (Cont'd) (T)

(B) Trunk Group Measurements Report (T)

Where technologically feasible, the Customer must report Trunk group data in the form of usage in CCS, peg count and overflow for its end of all access trunk groups. These data will be used to monitor trunk group utilization and service performance and should be provided at intervals and in a format previously agreed upon.

(C) Interim 500 Access Service NXX Codes (N)

All NXX Code assignments and administration shall be in accordance with the North American Numbering Plan (NANP).

When ordering Interim 500 Access Service, NXX Codes to be activated and NXX Codes to be deactivated must be provided to the Telephone Company at least 30 calendar days prior to the effective date of the change. Customer assigned codes, for which an order has not been received, will be blocked. When Interim 500 Access Service interstate traffic is terminated on a switched access line and not on a dedicated access line, the customer must notify the Telephone Company of all local exchange telephone numbers to which Interim 500 Access Service traffic is designated so that the Telephone Company can balance the end office in accordance with standard Telephone Company engineering practices for heavy volume lines.

(D) 900 Access Service NXX Codes (M)

All 900 NXX Code assignments and administration shall be in accordance with the North American Numbering Plan (NANP).

When ordering 900 Access Service, NXX Codes to be activated and NXX Codes to be deactivated must be provided to the Telephone Company at least 30 calendar days prior to the effective date of the change. Customer assigned codes, for which an order has not been received, will be blocked. When 900 Access Service interstate traffic is terminated on a switched access line and not on a dedicated access line, the customer must notify the Telephone Company of all local exchange telephone numbers to which 900 Access Service traffic is designated so that the Telephone Company can balance the end office in accordance with standard Telephone Company engineering practices for heavy volume lines.

4.4.2 ON AND OFF-HOOK SUPERVISION (T)

The Customer's facilities shall provide the necessary on-hook and off-hook supervision.

4.4.3 CUSTOMER'S V&H LOCATION (T)

The Customer shall provide to the Telephone Company at the time services are requested the V&H Coordinates of its facilities at the Point of Termination.

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(M) Material previously appearing on this page now appears on Page 100.1. (N)

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4. SWITCHED ACCESS SERVICE

4.5 SERVICE PROVISIONING

(C)

Each Switched Access Service transmission path is provided with Standard Transmission Performances. There are three (3) different Standard Transmission Performances (i.e., 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 performances are set forth in Section 4.5.1 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 Section 4.5.2a. or Section 4.5.2b. 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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The Telephone Company will maintain existing transmission performances on functioning service configurations installed prior to the effective date of this Tariff, except that service configurations with performances exceeding the standards listed in this provision will be maintained at the performance levels specified in this Tariff.

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(D)

(D)

The transmission performances contained in this Section are immediate action limits. Acceptance limits set forth in Technical Reference TR-NPL-000334. This Technical Reference also provides the basis for determining Switched Access Service maintenance limits.

(T)

(T)

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4. SWITCHED ACCESS SERVICE

(T)

4.5 SERVICE PROVISIONING (Cont'd)

(C)

4.5.1 STANDARD TRANSMISSION PERFORMANCE

(T)

Following are descriptions of the three (3) Standard Transmission Performances available with Switched Access Service Feature Groups. Their specific applications in terms of the Feature Groups and Interface Groups with which they are provided are set forth in Sections 4.2.1c., 4.2.2c., 4.2.3c. and 4.2.4c. preceding.

(C)

(D)

(T)

a. Transmission Performance Type A

(M)

(N)

Transmission Performance Type A 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.

(2) Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 2804 Hz frequency band relative to 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
100 to 200	37 dBrnCO
201 to 400	40 dBrnCO
greater than 400	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.

(N)

(M)

(M) Material previously appearing on this page now appears on Page 101.1.

(D)

(D)

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4. SWITCHED ACCESS SERVICE

4.5 SERVICE PROVISIONING (Cont'd)

4.5.1 STANDARD TRANSMISSION PERFORMANCE

a. Transmission Performance Type A (Cont'd)

(5) Echo Control

Echo Control, identified as Equal Level Echo Path Loss (ELEPL), 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. 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

b. Transmission Performance Type B

Transmission Performance Type B is provided with the following parameters:

(1) Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is ± 2.5 dB.

(2) Attenuation Distortion

The maximum Attenuation Distortion 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

* For Feature Groups C and D only Type B2 will be provided. For Feature Groups A and B, Type B1 or Type B2 will be provided as set forth in Technical Reference Publication GR-3334.

(M)

(T)

(M) Material previously appearing on this page now appears on Page 102.

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4. SWITCHED ACCESS SERVICE

4.5 SERVICE PROVISIONING (Cont'd)

4.5.1 STANDARD TRANSMISSION PERFORMANCE (Cont'd)

b. Transmission Performance Type B (Cont'd)

(4) C-Notch Noise

The maximum C-Notch Noise, utilizing a -16 dBmO holding tone, is less than or equal to 47 dBmCO.

(M)
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(M)

(5) Echo Control

Echo Control, identified as Impedance Balance for FGA and Equal Level Echo Path Loss (ELEPL) 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 equal to or greater than 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 Transmission Path at End Office)	16 dB	11 dB
- For FGC Access (Effective 2-Wire Transmission Path at End Office)	13 dB	6 dB

(M) Material now appearing on this page previously appeared on Original Page 101.1.

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4. SWITCHED ACCESS SERVICE

4.5 SERVICE PROVISIONING (Cont'd)

4.5.1 STANDARD TRANSMISSION PERFORMANCE (Cont'd)

c. Transmission Performance Type C

Transmission Performance Type C 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) ± 3.0 dB.

(2) Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 2804 Hz frequency band relative to loss at 1004 Hz is -2.0 dB to +5.5 dB.

(3) C-Message Noise

The maximum C-Message Noise for the transmission path at the route miles listed is less than or equal to:

<u>Route Miles</u>	<u>C-Message Noise*</u>	
	<u>Type B1</u>	<u>Type B2</u>
less than 50	32 dBrnCO	35 dBrnCO
51 to 100	33 dBrnCO	37 dBrnCO
101 to 200	35 dBrnCO	40 dBrnCO
201 to 400	37 dBrnCO	43 dBrnCO
greater than 400	39 dBrnCO	45 dBrnCO

* For Feature Groups C and D only Type B2 will be provided. For Feature Groups A and B, Type B1 or Type B2 will be provided as set forth in Technical Reference Publication GR-3334.

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4. SWITCHED ACCESS SERVICE

(T)

4.5 SERVICE PROVISIONING (Cont'd)

(C)

4.5.1 STANDARD TRANSMISSION PERFORMANCE (Cont'd)

(T)

c. Transmission Performance Type C (Cont'd)

(T)

(4) C-Notch Noise

(T)

The maximum C-Notch Noise, utilizing a -16 dBmO holding tone, is less than or equal to 47 dBmCO.

(5) Echo Control

(T)

Echo Control, identified as Return Loss and expressed as Echo Return Loss (ERL) and Singing Return Loss (SRL), is equal to or greater than the following:

(T)
(D)

Echo Return Loss Singing Return Loss

(D)

POT to End Office
- Direct

13 dB

6 dB

(D)
(D)

(D)

(D)

(D)

(D)

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- 4. SWITCHED ACCESS SERVICE (T)
- 4.5 SERVICE PROVISIONING (Cont'd) (C)
- 4.5.1 STANDARD TRANSMISSION PERFORMANCE (Cont'd) (T)

(D)

(D)

(D)

(D)

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- 4. SWITCHED ACCESS SERVICE (T)
- 4.5 SERVICE PROVISIONING (Cont'd) (C)
- 4.5.1 STANDARD TRANSMISSION PERFORMANCE (Cont'd) (T)

(D)

(D)

4.5.2 DATA TRANSMISSION PARAMETERS

There are two (2) types of Data Transmission Parameters, i.e., Type DA and Type DB, which are provided for the Feature Group arrangements. Following are descriptions of each. (T)

- a. Data Transmission Parameters – Type DA (T)

- (1) Signal to C-Notched Noise Ratio (T)

The Signal to C-Notched Noise Ratio is equal to or greater than 33 dB. (C)

(D)

(D)

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4. SWITCHED ACCESS SERVICE (T)

4.5 SERVICE PROVISIONING (Cont'd) (C)

4.5.2 DATA TRANSMISSION PARAMETERS (Cont'd) (T)

a. Data Transmission Parameters - Type DA (Cont'd) (T)

(2) Envelope Delay Distortion (T)

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	700 microseconds

1004 to 2404 Hz

less than 50 route miles	200 microseconds
equal to or greater than 50 route miles	300 microseconds

(3) Impulse Noise Counts (T)

The Impulse Noise Counts exceeding a 65 dBrnCO threshold in fifteen (15) minutes is no more than fifteen (15) counts. (C)

(4) Intermodulation Distortion (T)

The Second Order (R2) and Third Order (R3) Intermodulation Distortion is equal to or greater than:

Second Order (R2)	33 dB
Third Order (R3)	37 dB

(5) Phase Jitter (T)

The Phase Jitter over the 4-300 Hz frequency band is less than or equal to 5° peak-to-peak.

(6) Frequency Shift (T)

The maximum Frequency Shift does not exceed -2 to +2 Hz.

(D)

(D)

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4. SWITCHED ACCESS SERVICE (T)

4.5 SERVICE PROVISIONING (Cont'd) (C)

4.5.2 DATA TRANSMISSION PARAMETERS (Cont'd) (T)

b. Data Transmission Parameters - Type DB (T)

(1) Signal to C-Notched Noise Ratio (T)

The signal to C-Notched Noise Ratio is equal to or greater than 30 dB. (C)

(2) Envelope Delay Distortion (T)

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

(3) Impulse Noise Counts (T)

The Impulse Noise Counts exceeding a 67 dBrnC0 threshold in fifteen (15) minutes is no more than fifteen (15) counts. (C)

(4) Intermodulation Distortion (T)

The Second Order (R2) and Third Order (R3) Intermodulation Distortion is equal to or greater than:

Second Order (R2)	31 dB
Third Order (R3)	34 dB

(D)
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(D)

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4. SWITCHED ACCESS SERVICE

(T)

4.5 SERVICE PROVISIONING (Cont'd)

(C)

4.5.2 DATA TRANSMISSION PARAMETERS (Cont'd)

(T)

b. Data Transmission Parameters - Type DB

(T)

(5) Phase Jitter

(T)

The Phase Jitter over the 4-300 Hz frequency band is less than or equal to 7° peak-to-peak.

(6) Frequency Shift

(T)

The maximum Frequency Shift does not exceed -2 to +2 Hz.

(D)

(D)

(D)

(D)

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4. SWITCHED ACCESS SERVICE

(T)

4.5 SERVICE PROVISIONING (Cont'd)

(C)

4.5.2 DATA TRANSMISSION PARAMETERS (Cont'd)

(T)

b. Data Transmission Parameters - Type DB

(T)

(5) Phase Jitter

(T)

The Phase Jitter over the 4-300 Hz frequency band is less than or equal to 7° peak-to-peak.

(6) Frequency Shift

(T)

The maximum Frequency Shift does not exceed -2 to +2 Hz.

(D)

(D)

(D)

(D)

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Cancels Third Revised Page 110
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4. SWITCHED ACCESS SERVICE

4.5 SERVICE PROVISIONING (Cont'd)

4.5.2 DATA TRANSMISSION PARAMETERS (Cont'd)

4.5.3 INTERFACE GROUPS

Four (4) Interface Groups are provided for terminating an Entrance Facility at the customer's premises. Interface Groups define the transmission characteristics associated with the Entrance Facility and all transport facilities with which it is interconnected.

Network Channel (NC) Codes, Feature Group and Technical Specifications provide the available supervisory signaling options. The combination of the Interface Group and supervisory signaling ordered will identify the appropriate premises interface code (Network Channel Interface Code). Feature Group and Technical Specifications are set forth in Technical Reference Publication GR-3334. (T)

Depending upon the Interface Group chosen by the customer, Multiplexing arrangements may also be required. When the customer requests interconnection of an Entrance Facility to Direct-Trunked Transport or Tandem-Switched Transport, and the interconnecting facilities use connections with different capacities or bandwidths, Multiplexing arrangements are required to provide the interconnection. A Multiplexing arrangement is also required to interconnect certain facilities with specific switch types. Multiplexing is available as set forth in 4.1.2b.(4)(c) preceding. (T)

As a result of the customer's Facilities Access Order and the type of Telephone Company transport facilities serving the customer's premises, the need for signaling conversions or two-wire to four-wire conversions, or the need to terminate digital or high frequency facilities in channel bank equipment may require that Telephone Company equipment be placed at the customer's premises. For example, if a voice frequency interface is ordered by the customer and the Telephone Company facilities serving the customer's premises are digital, then Telephone Company channel bank equipment must be placed at the customer's premises in order to provide the voice frequency interface ordered by the customer.

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4. SWITCHED ACCESS SERVICE

4.5 SERVICE PROVISIONING (Cont'd)

4.5.3 INTERFACE GROUPS (Cont'd)

Interface Group 1 is provided with Transmission Performance Type C, and Interface Groups 2, 6 and 9 are provided, depending on the Feature Group and whether the Access Service is routed directly or through an access tandem, with Transmission Performance Type A or Type B. All Interface Groups are provided with Data Transmission Parameters. (C)

Only certain premises interface codes are available at the customer's premises. The premises interfaces associated with the Interface Groups may vary among Feature Groups. The various premises interfaces which are available with the Interface Groups and the Feature Groups with which these protocols may be used, are set forth in g. following.

a. Interface Group 1 (T)

Interface Group 1, except as set forth in the following, provides two-wire analog voice frequency transmission at the Point of Termination as the customer's 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 or 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's premises and the first point of 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 approximately 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.

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4. SWITCHED ACCESS SERVICE

4.5 SERVICE PROVISIONING (Cont'd)

4.5.3 INTERFACE GROUPS (Cont'd)

b. Interface Group 2

(T)

Interface Group 2 provides four-wire analog voice frequency transmission at the Point of Termination at the customer's 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's premises and the first point of 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 approximately 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.

c. Reserved for Future Use

d. Reserved for Future Use

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4. SWITCHED ACCESS SERVICE

4.5 SERVICE PROVISIONING (Cont'd)

4.5.3 INTERFACE GROUPS (Cont'd)

e. Interface Group 6

(T)

Interface Group 6 provides DS1 level digital transmission at the Point of Termination at the customer's premises. The interface is capable of transmitting electrical signals at a nominal 1.544 Mbps, with the capability to channelize up to twenty-four (24) voice frequency transmission paths. Before the first point of switching, when analog switching utilizing analog terminations is provided, the Telephone Company will provide channel bank equipment to derive twenty-four (24) 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, at the first point of switching, a DS1 signal in D3/D4 format.

The interface is provided with individual transmission path bit stream supervisory signaling.

f. Interface Group 9

(T)

Interface Group 9 provides DS3 level digital transmission at the Point of Termination at the customer's premises. The interface is capable of transmitting electrical signals at a nominal 44.736 Mbps, with the capability to channelize up to six hundred and seventy-two (672) voice frequency transmission paths. Before the first point of switching when analog switching utilizing analog terminations is provided, the Telephone Company will provide multiplex and channel bank equipment to derive up to six hundred and seventy-two (672) 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, at the first point of switching, DS1 signals in D3/D4 format.

The interface is provided with individual transmission path bit stream supervisory signaling.

g. Available Premises Interface Codes

Following is a matrix showing, for each Interface Group, which premises interfaces are available as a function of the Telephone Company switch supervisory signaling and Feature Group. Each premises interface is identified by a specific premises interface code. Voice trunks are available with Interface Groups 1, 2, 6 and 9. Signaling links are available with Interface Groups 6 and 9. For explanations of these codes, see Section 5.3 following.

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4. SWITCHED ACCESS SERVICE

4.5 SERVICE PROVISIONING (Cont'd) (C)

4.5.3 INTERFACE GROUPS (Cont'd) (C)

g. Available Premises Interface Codes (Cont'd) (M) (C)

Interface Group	Telephone Company		Premise Interface Code	Feature Group						
	Switch	Supervisory Signaling		A	B	C	D			
1	LO		2LS2	X					(C)	
	LO		2LS3	X					(C)	
	GO		2GS2	X					(D)	
	GO		2GS3	X				(M)	(C)	
	RV, EA, EB, EC		4EA2-E		X	X	X		(N)	
	RV, EA, EB, EC		4EA3-E		X	X	X	(M)	(C)	
	RV, EA, EB, EC		4EA2-M		X	X	X		(N)	
	RV, EA, EB, EC		4EA3-M		X	X	X	(M)	(C)	
	RV, EA, EB, EC		6EB2-E		X	X	X		(N)	
	RV, EA, EB, EC		6EB3-E		X	X	X	(M)	(C)	
	RV, EA, EB, EC		6EB2-M		X	X	X		(N)	
	RV, EA, EB, EC		6EB3-M		X	X	X	(M)	(C)	
	EA, EB, EC		6EC2			X	X		(N)	
	EA, EB, EC		6EC3			X	X	(M)	(C)	
	RV		2RV3-0		X	X	X		(M)	
	RV		2RV3-T		X	X	X	(M)	(C)	
	CCS		2NO2				X		(N)	
	2	LO, GO		4SF2	X				(M)	(C)
		LO		4LS2	X					(D)
		GO		4GS2	X					
RV, EA, EB, EC			6DX2		X	X	X	(M)	(D)	
RV, EA, EB, EC			4SF2		X	X	X		(C)	
RV, EA, EB, EC			4DX2		X	X	X		(N)	
RV, EA, EB, EC			6EA2-E		X	X	X	(M)	(C)	
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		(C)	
LO, GO			6EX2-B	X						
EA, EB, EC			8EC2-M			X	X		(C)	
RV			4RV2-O		X	X	X		(C)	
RV			4RV2-T		X	X	X		(D)	
CCS			4NO2				X	(M)	(D)	

(M) Material now appearing on this page previously appeared on Page 67.

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4. SWITCHED ACCESS SERVICE

4.5 SERVICE PROVISIONING (Cont'd)

4.5.3 INTERFACE GROUPS (Cont'd)

g. Available Premises Interface Codes (Cont'd)

Interface Group	Telephone Company <u>Switch Supervisory Signaling</u>	Premise <u>Interface Code</u>	Feature Group				(T)
			A	B	C	D	
6	LO, GO	4DS9-15	X				(D)
	LO, GO	4DS9-15L	X				
	RV, EA, EB, EC	4DS9-15		X	X	X	
	RV, EA, EB, EC	4DS9-15L		X	X	X	
	CCS	4DS9-15				X	
	CCS	4DS9-1SN				X	
	CCS	4DS9-1BN				X	
	CCS	4DS9-15B				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		
CCS	4DS6-44				X X		

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(T)

4. SWITCHED ACCESS SERVICE

4.6 RATE REGULATIONS

This Section contains the specific regulations governing the rates and charges that apply to Switched Access Service.

4.6.1 TYPES OF RATES AND CHARGES

There are four (4) types of rates and charges that may apply to Switched Access Service. These are monthly recurring rates (including fixed and per mile), nonrecurring charges, usage rates and zone density charges. These rates and charges are applied differently to the various rate elements. Nonrecurring charges and monthly recurring rates are billed in advance, and usage rates are billed in arrears.

(C)

(C)

a. Monthly Rates

Monthly rates are flat recurring rates that apply each month or fraction thereof that a specific rate element is provided regardless of the amount of usage. Monthly rates may be either distance sensitive (per mile) or non-distance sensitive (fixed). For billing purposes, each month is considered to have thirty (30) days.

b. Usage Rates

Usage rates are rates that apply only when a specific rate element is used. These are applied on a per minute basis or per query basis. Usage rates may be either distance sensitive (per mile) or non-distance sensitive (fixed). Access Minute Charges are accumulated over a monthly period.

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4. SWITCHED ACCESS SERVICE

4.6 RATE REGULATIONS (Cont'd)

4.6.1 TYPES OF RATES AND CHARGES (Cont'd)

c. Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for a specific work activity (e.g., installation or change to an existing service) and are developed at full cost recovery on a labor hours per labor time basis. The types of nonrecurring charges that apply for Switched Access Service are: installation of service, installation of optional features, service rearrangements, Interim 500 Access Service and 900 Access Service.

(1) Installation of Service

Nonrecurring charges apply to each Switched Access Service installed. For FGA, the per line Installation Charge is applicable. For FGB, FGC, FGD, Interim 500 Access, TFC and 900, the per trunk Installation Charge is applicable on a per end office or tandem basis. The nonrecurring charge for the installation of Entrance Facilities and CCS/SS7 Interconnection Services is applied for each Point of Termination.

(2) Installation of Optional Features

If a separate nonrecurring charge applies for the installation of an optional feature available with Switched Access Service, the charge applies whether the feature is installed coincident with the initial installation of service or any time subsequent to the initial installation of service.

(3) Service Rearrangements

Service rearrangements are changes to existing services installed which do not result in either a change in the minimum period requirements as set forth in Section 8.2.5 following or a change in the physical location of the Point of Termination at the customer's premises or the customer's end user's premises. Changes which result in the establishment of new minimum period obligations are treated as disconnects and starts. Changes in the physical location of the Point of Termination are treated as moves and are described and charged for as set forth in Section 4.6.5 following.

(T)

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

Administrative changes will be made without charge(s) to the customer. Such changes require the continued provision and billing of the Access Service to the same entity (i.e., customer remains responsible for all outstanding indebtedness for the Access Service). Administrative changes are as follows:

- Change of customer name (i.e., the customer of record does not change, but rather the customer of record changes its name--e.g., AT&T-Long Lines to AT&T-Communications),

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Cancels First Revised Page 112.1
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4. SWITCHED ACCESS SERVICE

4.6 RATE REGULATIONS (Cont'd)

4.6.1 TYPES OF RATES AND CHARGES (Cont'd)

c. Nonrecurring Charges (Cont'd)

(3) Service Rearrangements (Cont'd)

- 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 in 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,
- Change of jurisdiction.

All other service rearrangements will be charged for as follows:

- If the change involves the addition of or a modification to an optional feature which has a separate nonrecurring charge, that nonrecurring charge will apply.

(D)
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(D)

- When the Telephone Company's Service Switching Point (SSP) is located at the access tandem, end office to tandem trunk rerouting will be provided at the charges set forth in Section 4.7.2c. following when all of the following conditions apply:

- (a) End office to tandem trunk rearrangements will be provided only on Feature Group D trunks located at the end office switch.
- (b) The customer must disconnect one (1) trunk at the end office or access tandem for each trunk installed at the SSP-equipped tandem. The number of trunks being connected at the SSP-equipped tandem cannot exceed the number of trunks disconnected.
- (c) The customer must place the order to connect at the SSP-equipped tandem at the same time the order is placed to disconnect from the end office or tandem. The due date of the disconnection order cannot be more than six (6) months past the due date of the order to install at the SSP-equipped tandem.

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4. SWITCHED ACCESS SERVICE

4.6 RATE REGULATIONS (Cont'd)

4.6.1 TYPES OF RATES AND CHARGES (Cont'd)

c. Nonrecurring Charges (Cont'd)

(3) Service Rearrangements (Cont'd)

- When the SSP is not located at the Telephone Company's point of switching, and traffic routing changes for end office to tandem trunking are required, a charge equal to one-half (1/2) the Switched Transport nonrecurring (i.e., installation) charge will apply on a per end office basis.
- The nonrecurring charges associated with routing trunks from tandem to end office or from end office to tandem transport will not apply when the following conditions are met:
 - (a) The customer must maintain the same customer premises location. Requests to add or change optional features will be subject to the charges applicable to the features.
 - (b) Direct routed end office trunks must subtend the tandem from which the service is being rearranged.
 - (c) One (1) trunk at the end office or tandem must be disconnected for each rerouted tandem or end office trunk installed with the following exception. If the customer demonstrates that industry accepted engineering standards require the installation of additional trunks, the nonrecurring charges for such additional trunks will not apply.
 - (d) The order to disconnect from the tandem or end office must be placed at the same time as the order to connect at the tandem or end office. The due date for the disconnect order may not be more than ninety (90) days after the due date for the order to install the tandem or end office trunk.

These nonrecurring charges include installation of new facilities between the Telephone Company serving wire center and the customer's designated premises when such facilities are required to provision rerouted trunks.

(M)

(M) Material previously appearing on this page now appears on Page 112.3.

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4. SWITCHED ACCESS SERVICE

4.6 RATE REGULATIONS (Cont'd)

4.6.1 TYPES OF RATES AND CHARGES (Cont'd)

c. Nonrecurring Charges (Cont'd)

(3) Service Rearrangements (Cont'd)

- The nonrecurring charges associated with upgrades in capacity (i.e., multiple DS0s converting to DS1s or multiple DS1s converting to DS3s or STS1s, or DS3s converting to STS1s) will not apply when the customer maintains the same customer premises location. Requests to add or change optional features will be subject to the nonrecurring charges associated with the features requested. (C)
- A nonrecurring service upgrade charge, as set forth in Section 4.7.2 following, will apply per DS1, DS3 or STS1 upgraded when converting existing high capacity services to OptiPoint service. The charge does not apply when OptiPoint is ordered as new service and no existing high capacity services are being relocated to the OptiPoint service. For orders for new services submitted after December 18, 2000, the nonrecurring service upgrade charge will apply for each DS1, DS3 or STS1 channel connected to new OptiPoint service when existing DS1, DS3 or STS1 facilities between the same points of termination as the new OptiPoint service are disconnected within 30 days of the order for new services. (C)
(C)
- Service Rearrangement Charges will not apply when a customer converts trunks from Tandem-Switched Transport to Direct-Trunked Transport, or orders the disconnection of over-provisioned trunks, prior to January 1, 1999.
- Service rearrangements to redirect traffic from direct routed to tandem routed for performance of the TFC data base query required for TFC Access Service, where the TFC query function is initially available only at the tandem, will be assessed the End Office to Tandem Rearrangement Charge set forth in Section 4.8.3b. following. When the TFC data base query function becomes available for TFC Access Service at end offices subtending the tandem to which customers have redirected TFC traffic, customers will be allowed to rearrange TFC traffic from tandem routed to direct routed at no charge provided that the same customer premises is maintained.

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4. SWITCHED ACCESS SERVICE

4.6 RATE REGULATIONS (Cont'd)

4.6.1 TYPES OF RATES AND CHARGES (Cont'd)

c. Nonrecurring Charges (Cont'd)

(3) Service Rearrangements (Cont'd)

- For service arrangements involving OC3, OC12, OC48 or OC192 switched access services (e.g., OptiPoint Service), a charge equal to one half the Optical Service Charge set forth in 4.7.8 will apply for each node rearranged. (C)
(C)
- For all other changes, including the addition of, or modifications to, optional features without separate nonrecurring charges, a charge equal to one-half (1/2) the Switched Transport nonrecurring (i.e., installation) charge 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 (1) such charge will apply (i.e., it will not apply per transmission path).

(4) Interim 500 Access Service

A nonrecurring charge as specified in Section 4.7.5 following applies each time a change is made which involves the addition or deletion of 500 NXX codes to be routed to the customer. The charge is assessed per 500 NXX code added or deleted for each Telephone Company end office switch or access tandem in which translation changes are required. This charge applies to the initial loading of one (1) or more 500 NXX codes required to establish service for the customer, and to any subsequent changes (i.e., additions or deletions) to those codes. There is also an Assembly of Route Pattern Nonrecurring Charge which applies once for each Telephone Company end office, but only on the customer's initial request to the Telephone Company for Interim 500 Access Service in the state, LATA, access tandem, or end office.

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(T)

4. SWITCHED ACCESS SERVICE

4.6 RATE REGULATIONS (Cont'd)

4.6.1 TYPES OF RATES AND CHARGES (Cont'd)

c. Nonrecurring Charges (Cont'd)

(5) 900 Access Service

A nonrecurring charge as specified in Section 4.7.6 following applies each time a change is made which involves the addition or deletion of 900 NXX codes to be routed to the customer. The charge is assessed per 900 NXX code added or deleted for each Telephone Company end office switch or access tandem in which translation changes are required. This charge applies to the initial loading of one (1) or more 900 NXX codes required to establish service for the customer, and to any subsequent changes (i.e., additions or deletions) to those codes. There is also an Assembly of Route Pattern Nonrecurring Charge which applies once for each Telephone Company end office, but only on the customer's initial request to the Telephone Company for 900 Access Service in the state, LATA, access tandem, or end office.

d. Switched Access Zone Density Plan

The Switched Access Zone Density Plan is applicable only to DS1 and DS3 (Entrance Facilities, Direct-Trunked Transport, Tandem Switched Transmission, Tandem Switching, DS1 to Voice Multiplexing and DS3 to DS1 Multiplexing as set forth in Section 6.1.2 preceding.

The Switched Access Zone Density Plan will become effective concurrent with the first operational Expanded Interconnection arrangement, as described in Section 17.1 following, in the relevant Telephone Company study area.

The Entrance Facility, Direct-Trunked Transport, Tandem Switched Transmission, Tandem Switching, DS1 to Voice Multiplexing and DS3 to DS1 Multiplexing rates applicable for DS1 and DS3 services subject to the Zone Density Plan are dependent upon the zone in which the Telephone Company serving area is located. Direct-Trunked Transport and Tandem Switched Transmission provided between wire centers in different zones will be assessed the rate for the higher zone. Specific Zone Density Charges are set forth in Sections 6.8 and 21.8 following. The zones for each Telephone Company serving area are identified following:

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(M) Material omitted from this page now appears on Page 112.5.1.

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4. SWITCHED ACCESS SERVICE

4.6 RATE REGULATIONS (Cont'd)

4.6.1 TYPES OF RATES AND CHARGES (Cont'd)

d. Switched Access Zone Density Plan (Cont'd)

Zone 1		Zone 2	
<u>End Office</u>	<u>CLLI</u>	<u>End Office</u>	<u>CLLI</u>
Bethlehem	BHLHNCXA	All Other	All Other
Catawba	CTWBNCXA		
Granite Falls	GRFLNCXA		
Hickory	HCKRNCXA		
Hickory	KCKRNCXB		
Hildebran	HLDBNCXB		
Mountain View	MTVWNCA		
Sherills Ford	SHFRNCXA		
Valdese	VLDSNCXA		

4.6.2 MINIMUM PERIODS

The minimum service period for all switched access services is one month, with the exception of OptiPoint Services and Feature Group D. Feature Group D is provided for a minimum period of three months.

4.6.3 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 consists of the following elements:

For usage rated Switched Access Services, the minimum monthly charge for **the Tandem-Switched Transport and Local Switching rate** elements is the sum of the charges set forth in Section 4.7 following for the measured or assumed usage for the month. For flat rated Switched Access Services, the minimum monthly charge for the Entrance Facility and Direct-Trunked Transport rate elements is the applicable monthly rate for the service.

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4. SWITCHED ACCESS SERVICE

(T)

4.6 RATE REGULATIONS (Cont'd)

(T)

4.6.4 CHANGE OF FEATURE GROUP TYPE

(T)

Changes from one type of Feature Group to another, will be treated as discontinuance of one type of service and a start of another. The nonrecurring charges set forth in Section 8.2 following will apply except where any Feature Group Service is upgraded to FGD or from FGA to FGB. In those two instances, minimum period obligations on upgrading Feature Group Service will not change i.e., the time elapsed in the existing minimum period will be credited to the new minimum period obligations on an upgraded service. For all other changes from the one type of Feature Group to another, new minimum period obligations will be established.

(T)

To avoid the nonrecurring charges set forth in Section 8.2 following for upgrading service to FGD, the IC must submit its disconnect order for FGA and FGB within thirty (30) days after the date the results of the final allocation of end users are actually received by the IC pursuant to Section 7.3.4 following. The effective date for the disconnection may be no later than sixty (60) days after the allocation results are received by the IC.

(T)

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At the time the customer upgrades from FGA, FGB or FGC to FGD, the customer may also change the facility used to provide the upgraded service. This change will be made at no additional charge and may include a change in the connection type (e.g., Voice Grade to DS1) and/or a change in the facility type (e.g., Direct-Trunked Transport to Tandem-Switched Transport).

(N)

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4.6.5 MOVES

(T)

A move involves change in the physical location of one (1) of the following:

- The Point of Termination at the customer's premises
- The customer's premises

(T)

(T)

The charges for the move and the associated minimum period obligations are dependent on whether the move is to a new location within the same wire center area or to a different wire center area.

a. Moves to a Different Wire Center Area

(T)

When a customer's premises is moved to a different wire center area, the move will be treated as a disconnect and a start of service. Facilities Access Order Charges, as set forth in Section 8. following, will apply and a new minimum period will be established. The customer will also remain responsible for fulfilling all outstanding minimum period obligations associated with the disconnected service.

(T)

(T)

b. Moves to a Different Building Within the Same Wire Center

(T)

When a customer's premise is moved to a new location in a different building in the same wire center area, Facilities Access Order Charges, as set forth in Section 8. following, will apply and the existing minimum period obligations will continue in effect.

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4. SWITCHED ACCESS SERVICE

4.6 RATE REGULATIONS (Cont'd)

4.6.5 MOVES (Cont'd)

c. Moves Within the Same Building

When a Customer's premises is moved to a new location within the same building in the same wire center area, Facilities Access Order charges, as set forth in Section 8, will apply and the existing minimum period obligations will continue in effect.

4.6.6 ACCUMULATION OF NUMBER OF TRANSMISSION PATHS

The number of transmission paths used to determine the charges as set forth in Section 4.7 shall be the sum of the number of paths actually provided as set forth in Section 4.3.5.

4.6.7 MEASURING ACCESS MINUTES

Customer traffic to end offices will be measured by the Telephone Company at end office switches or access tandem switches. Originating and terminating calls will be measured by the Telephone Company to determine the basis for computing chargeable access minutes. For terminating calls over FGA and FGB, FGC to TFC, and FGD, and for originating calls over FGA, FGB, and FGD, the measured minutes are the chargeable access minutes. For originating calls over FGC, chargeable originating access minutes are derived from measured conversation minutes and through the use of Telephone Company factors. Chargeable terminating access minutes for FGC are derived on an individual entity basis from measured originating conversation minutes through the application of a terminating to originating factor (T/O). The Telephone Company will be responsible for determining the T/O factor, and will provide supporting detail to the customer on a quarterly basis upon request.

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(C)

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.

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4. SWITCHED ACCESS SERVICE

4.6 RATE REGULATIONS (Cont'd)

4.6.7 MEASURING ACCESS MINUTES (Cont'd)

FGB, FGC and 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.

Where originating and/or terminating traffic measurement capability does not exist, the number of access minutes per FGA line or FGB trunk will be assumed as follows:

- a. A single, monthly surrogate of assumed minutes per two way line or trunk per month shall apply as set forth in d. following. For FGA lines, the terminating assumed usage will be 47% of the two way surrogate and the originating assumed usage will be 53% of the two way surrogate. For FGB trunks, the originating and terminating assumed usage will each be 50% of the two way surrogate.
- b. When measurement capability does not exist for a one way line or trunk, a single, monthly surrogate of assumed minutes per one way line or trunk per month shall apply as set forth in d. following.
- c. When measurement capability does not exist in one direction for a two way line or trunk (e.g., recording for terminating usage only), the number of access surrogate for a two way line or trunk or the recorded usage for the single direction, whichever is greater.
- d. The assumed minutes of use monthly surrogates are as follows:

<u>Per Two Way Line or Trunk</u>		<u>Per One Way Line or Trunk</u>			
		<u>Originating Only</u>		<u>Terminating Only</u>	
<u>FGA</u>	<u>FGB</u>	<u>FGA</u>	<u>FGB</u>	<u>FGA</u>	<u>FGB</u>
*	*	*	*	*	*

* All existing services are measured or there are no customers for these services at present. If an Access Service Request is received in an office where measurement capability does not exist, a traffic study will be completed to develop a surrogate, and such surrogate will be tariffed.

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(C)

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4. SWITCHED ACCESS SERVICE

4.6 RATE REGULATIONS (Cont'd)

(N)

4.6.7 MEASURING ACCESS MINUTES (Cont'd)

e. Feature Group A Usage Measurement

For originating calls over FGA, usage measurement begins when the originating FGA entry switch receives an off-hook supervisory signal forwarded from the customer's point of termination, indicating that the customer has received the call.

The measurement of originating call usage over FGA ends when the originating FGA entry switch receives an on-hook supervisory signal from either the originating end user's end office, indicating the originating end user has disconnected, or the customer's point of termination, whichever is recognized first by the entry switch.

For terminating calls over FGA, usage measurement begins when the terminating FGA entry switch receives an off-hook supervisory signal from the terminating end user's end office, indicating the terminating end user has answered. The measurement of terminating call usage over FGA ends when the terminating FGA entry switch receives an on-hook supervisory signal from either the terminating end user's end office, indicating the terminating end user has disconnected, or the customer's point of termination, whichever is recognized first by the entry switch.

(N)

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4. SWITCHED ACCESS SERVICE

4.6 RATE REGULATIONS (Cont'd)

(N)

4.6.7 MEASURING ACCESS MINUTES (Cont'd)

f. Feature Group B Usage Measurement

For originating calls over FGB, usage measurement begins when the originating FGB entry switch 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 entry switch receives disconnect supervision from either the originating end user's end office, indicating the originating end user has disconnected, or the customer's point of termination, whichever is recognized first by the entry switch.

For terminating calls over FGB, usage measurement begins when the terminating FGB entry switch receives answer supervision from the terminating end user's end office, indicating the terminating end user has answered.

The measurement of terminating call usage over FGB ends when the terminating FGB entry switch receives disconnect supervision from either the terminating end user's end office, indicating the terminating end user has disconnected, or the customer's point of termination, whichever is recognized first by the entry switch.

(N)

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4. SWITCHED ACCESS SERVICE

4.6 RATE REGULATIONS (Cont'd)

(N)

4.6.7 MEASURING ACCESS MINUTES (Cont'd)

g. Feature Group C Usage Measurement

For originating calls over FGC, usage measurement begins when the originating FGC entry switch receives answer supervision from the customer's point of termination, indicating that the called party has answered.

The measurement of originating call usage over FGC ends when the originating FGC entry switch receives disconnect supervision from either the originating end user's end office, indicating the originating end user has disconnected, or the customer's point of termination, whichever is recognized first by the entry switch.

For terminating calls over FGC to services other than TFC, 900 or Directory Assistance, terminating FGC usage may not be directly measured at the terminating entry switch, but may be imputed from originating usage, excluding usage from calls to TFC, 900 or Directory Assistance Services. Actual measured usage will be used where available rather than an imputed value.

For terminating calls over FGC to TFC Service, usage measurement begins when the terminating FGC entry switch receives answer supervision from the terminating end user's end office, indicating the terminating TFC Service end user has answered.

The measurement of terminating call usage over FGC to TFC Service ends when the terminating FGC entry switch receives an on-hook supervisory signal from the terminating end user's end office, indicating the terminating TFC Service end user has disconnected, or from the customer's point of termination, whichever is recognized first by the entry switch.

(N)

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4. SWITCHED ACCESS SERVICE

4.6 RATE REGULATIONS (Cont'd)

(N)

4.6.7 MEASURING ACCESS MINUTES (Cont'd)

h. Feature Group D Usage Measurement

For originating calls over FGD, with multifrequency address signaling, usage measurement begins when the originating FGD entry switch receives the first wink supervisory signal forwarded from the customer's point of termination. The measurement of originating call usage over FGD ends when the originating FGD entry switch receives disconnect supervision from either the originating end user's end office, indicating the originating end user has disconnected, or the customer's point of termination, whichever is recognized first by the entry switch.

For originating calls over FGD with SS7 signaling, usage measurement begins with the transmission of the initial address message. The measurement of originating FGD call usage ends when the entry switch receives or sends a release message, whichever occurs first.

For terminating calls over FGD, with multifrequency address signaling, the measurement of access minutes begins when the terminating FGD entry switch receives answer supervision from the terminating end user's end office, indicating the terminating end user has answered. The measurement of terminating call usage over FGD ends when the terminating FGD entry switch receives disconnect supervision from either the terminating end user's end office, indicating the terminating end user has disconnected, or the customer's point of termination, whichever is recognized first by the entry switch.

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.

(N)

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4. SWITCHED ACCESS SERVICE

4.6 RATE REGULATIONS (Cont'd)

(N)

4.6.7 MEASURING ACCESS MINUTES (Cont'd)

i. Toll Free Code (TFC) Access Service Usage Measurement

Usage measurement from non-equal access and equal access end offices without the customer identification function begins when the originating end office switch receives off-hook supervision forwarded from the customer's point of termination, indicating the transmitted digits have been received, except for FGC as stated following.

Usage measurement for FGC begins when the originating end office receives off-hook answer supervision forwarded from the customer's point of termination, indicating the called party has answered.

Usage measurement from equal access end offices with the customer identification function begins when the originating end office switch receives the first wink supervisory signal forwarded from the customer's point of termination.

In all cases, usage measurement ends when the originating end office receives on-hook 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, which ever is recognized first by the end office.

(N)

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4. SWITCHED ACCESS SERVICE

4.6 RATE REGULATIONS (Cont'd)

(N)

4.6.7 MEASURING ACCESS MINUTES (Cont'd)

j. 900 Access Service Usage Measurement

Usage measurement from non-equal access and equal access end offices without the customer identification function begins when the originating end office switch receives off-hook supervision forwarded from the customer's point of termination, indicating the transmitted digits have been received, except for FGC as stated following.

Usage measurement for FGC begins when the originating end office receives off-hook answer supervision forwarded from the customer's point of termination, indicating the called party has answered.

Usage measurement from equal access end offices with the customer identification function begins when the originating end office switch receives the first wink supervisory signal forwarded from the customer's point of termination.

In all cases, usage measurement ends when the originating end office receives on-hook 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, which ever is recognized first by the end office.

k. Interim 500 Access Service Usage Measurement

Usage measurement from non-equal access and equal access end offices without the customer identification function begins when the originating end office switch receives off-hook supervision forwarded from the customer's point of termination, indicating the transmitted digits have been received, except for FGC as stated following.

Usage measurement for FGC begins when the originating end office receives off-hook answer supervision forwarded from the customer's point of termination, indicating the called party has answered.

Usage measurement from equal access end offices with the customer identification function begins when the originating end office switch receives the first wink supervisory signal forwarded from the customer's point of termination.

In all cases, usage measurement ends when the originating end office receives on-hook 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, which ever is recognized first by the end office.

(N)

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4. SWITCHED ACCESS SERVICE

4.6 RATE REGULATIONS (Cont'd)

4.6.8 RESERVED FOR FUTURE USE

(A)

(C)

(M)

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(D)

(D)

(C)

(M1)

(M) Material previously appearing on this page now appears as Section 2.3.11a.(1) on Page 31.1.
(M1) Material previously appearing on this page now appears as Section 2.3.11a.(3) on Page 31.2.

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4. SWITCHED ACCESS SERVICE

4.6 RATE REGULATIONS (Cont'd)

4.6.8 RESERVED FOR FUTURE USE (Cont'd)

(C)

(C) (Cont'd)

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(D)

(3)

(D)

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4. SWITCHED ACCESS SERVICE

4.6 RATE REGULATIONS (Cont'd)

4.6.8 RESERVED FOR FUTURE USE (Cont'd) (C)

(C) (Cont'd) (T)

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(5) (M1)

(D) (M2)

(E) (M3)

(M) Material previously appearing on this page now appears as Section 2.3.11a.(1) on Page 31.1.

(M1) Material previously appearing on this page now appears as Section 2.3.11b. on Page 31.8.

(M2) Material previously appearing on this page now appears as Section 2.3.11a.(4) on Page 31.2 and 31.3.

(M3) Material previously appearing on this page now appears as Section 2.3.11a.(6) on Page 31.4.

ACCESS SERVICE TARIFF

CENTRAL TELEPHONE COMPANY
NORTH CAROLINA

Tariff NCUC No. 1
Fourth Revised Page 118
Cancels Third Revised Page 118
EFFECTIVE: October 27, 2000

4. SWITCHED ACCESS SERVICE

4.6 RATE REGULATIONS (Cont'd)

4.6.8 RESERVED FOR FUTURE USE (Cont'd) (C)

(F) Reserved For Future Use

(G) (M)

(M) Material previously appearing on this page now appears as Section 2.3.11a.(8) on Page 31.5.

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CENTRAL TELEPHONE COMPANY
NORTH CAROLINA

Tariff NCUC No. 1
First Revised Page 118.1
Cancels Original Page 118.1
EFFECTIVE: October 27, 2000

4. SWITCHED ACCESS SERVICE

4.6 RATE REGULATIONS (Cont'd)

4.6.8 RESERVED FOR FUTURE USE (Cont'd)

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(M) Material previously appearing on this page now appears as Section 2.3.11a.(8) on Page 31.5.

(M1) Material previously appearing on this page now appears as Section 2.3.12 on Page 31.9.

ACCESS SERVICE TARIFF

CENTRAL TELEPHONE COMPANY
NORTH CAROLINA

Tariff NCUC No. 1
Second Revised Page 118.2
Cancels First Revised Page 118.2
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4. SWITCHED ACCESS SERVICE

4.6 RATE REGULATIONS (Cont'd)

4.6.8 RESERVED FOR FUTURE USE (Cont'd)

(C)

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(M1)

(M) Material previously appearing on this page now appears as Section 2.3.11a.(9) on Page 31.6.

(M1) Material previously appearing on this page now appears as Section 2.3.11a.(10) on Page 31.7.

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CENTRAL TELEPHONE COMPANY
NORTH CAROLINA

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First Revised Page 118.3
Cancels Original Page 118.3
EFFECTIVE: October 27, 2000

4. SWITCHED ACCESS SERVICE

4.6 RATE REGULATIONS (Cont'd)

4.6.8 RESERVED FOR FUTURE USE (Cont'd)

(C)

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4.6.9 MESSAGE UNIT CREDIT

The monthly bills rendered to customers for their Feature Group A Switched Access Service will include a credit to reflect any Local Message Unit Charges collected by the Telephone Company from its end users for calls to customers' Interexchange Service. No credit is given for Toll Charges. This credit applies to the Local Switching rate element and is applicable only for originating calls and is calculated on an exchange-by-exchange basis. Where LMS is available and to the extent the Telephone Company can prevent end users from being billed message units when accessing a customer's service, no message unit credits will be given the customer.

4.6.10 CERTAIN LOCAL SERVICES

Customers will be billed charges for calls over Switched Access Service in the terminating direction to certain community information services, for which rates are applicable under the Telephone Company's General Subscriber Services Tariff, e.g., 978 (DIAL-IT) Network Services

(M) Material previously appearing on this page now appears on Page 31.7.

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CENTRAL TELEPHONE COMPANY
d/b/a CenturyLink
NORTH CAROLINA

Tariff NCUC No. 1
2nd Revised Page 119 (T)
Cancels 1st Revised Page 119
EFFECTIVE: July 1, 2021

4. SWITCHED ACCESS SERVICE

4.6 RATE REGULATIONS (Cont'd)

4.6.11 APPLICATION OF RATES

Interconnection **and** Local **Switching rates** are applied either as premium rates or transitional rates. (T)

The specific application of premium and transitional rates for a specific customer is dependent upon the Feature Group and the availability of equal access capabilities in the end office to which the service is provided. The following rules provide the basis for applying the premium and transitional rates:

- a. When Interconnection rates apply, premium rates are assessed on access minutes originating from or terminating to equal access end offices.
- b. Premium rates apply to all FGC and FGD access minutes, to all FGA and FGB minutes that originate from or terminate at end offices equipped with equal access (i.e., FGD) capabilities, and to all access minutes that originate or terminate at end offices not equipped with equal access capabilities when the service is provided to customers which furnish intrastate MTS/WATS. Premium rates also apply to all Interim 500, TFC and 900 Access Service minutes that originate from non equal access end offices for customers who subscribe to FGC.
- c. Premium rates, including Local Switching - LS2, apply to all FGB, FGC and FGD usage at an end office for any customer which provides MTS and WATS Service and subscribes to FGB and either FGC or FGD originating and/or terminating at those end offices.
- d. When Interconnection rates apply, transitional rates are assessed on access minutes originating from or terminating at non equal access end offices.
- e. Transitional rates (i.e., discounted access minute rates) apply to all FGA or FGB access minutes (measured or assumed) that originate from or terminate at non equal access end offices, except for FGB access minutes generated by providers of MTS and WATS Services. Transitional rates also apply to all non-AT&T Interim 500 Access, TFC Access and 900 Access Service minutes that originate from non equal access end offices.

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4. SWITCHED ACCESS SERVICE

(T)

4.6 RATE REGULATIONS (Cont'd)

(T)

4.6.11 APPLICATION OF RATES (Cont'd)

(T)

f. When FGA or FGB Switched Access Service provided to an entry switch (i.e., dial tone office for FGA and access tandem for FGB) has usage originating from and/or terminating at both end offices that have been converted to equal access and end offices that have not been converted, the premium and transitional usage rates for Switched Access Service (including Carrier Common Line) will apply in the following manner:

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(1) All access minutes that originate from or terminate at the equal access end offices(s) will be billed at premium rates. Access minutes that originate from or terminate at end offices not equipped with equal access capabilities, hereinafter referred to as non-premium access minutes, will continue to be billed at non-premium transitional rates.

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(2) The number of access minutes to be rated as premium access minutes is determined as follows:

(a) Where measurement capability exists, and end office specific usage data is available, premium rates will apply to all access minutes originating from or terminating at equal access end offices.

(C)

(b) Where measurement capability does not exist and/or end office specific usage data is not available, originating and/or terminating usage will be apportioned between premium and non-premium usage as described following. The usage to be apportioned will be the recorded usage as set forth in Section 4.6.7 preceding. Such apportionment will be based on the ratio of the number of subscriber lines in the access area (i.e., Local calling area or end offices subtending the access tandem, as appropriate) of the entry switch that is served by equal access end offices to the total number of subscriber lines in that access area. The ratio thus developed is applied to the total measured originating FGA usage, terminating FGA usage, originating FGB usage or terminating FGB usage, as applicable, to determine the usage to be billed a premium rates, unless adjusted as set forth in c. following.

(C)

(M) Material now appearing on this page previously appeared on Page 119.

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CENTRAL TELEPHONE COMPANY
NORTH CAROLINA

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First Revised Page 119.2
Cancels Original Page 119.2
EFFECTIVE: June 24, 1997

4. SWITCHED ACCESS SERVICE

(T)

4.6 RATE REGULATIONS (Cont'd)

(T)

4.6.11 APPLICATION OF RATES (Cont'd)

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f. (Cont'd)

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(b) (Cont'd)

(T)

The ratios used to determine the premium usage will be updated on a quarterly basis. The ratios to be used for the succeeding quarter will be provided to the customer with the last bill rendered in the quarter or mailed separately within five (5) working days after the first day of the new quarter (i.e., January, April, July and October).

(C)

For purposes of administering this provision: (1) subscriber lines are defined as exchange service lines, Centrex lines and Centrex-type lines provided by the Telephone Company under its General Subscriber Services Tariff; (2) the access area is defined as the local calling area of the dial tone office for originating and terminating FGA and all end offices subtending the access tandem for originating and terminating FGB; and (3) the local calling of the dial tone office is as defined in the Telephone Company's General Subscriber Services Tariff.

(c) Where FGD Switched Access Service is provided to a customer in an end office(s) where FGA or FGB premium access minutes have been determined in accordance with b. preceding, such premium access minutes will be adjusted in the following manner. For each FGD access minute originating from or terminating at that end office, the originating or terminating FGA or FGB premium access minutes determined as set forth in b. preceding will be reduced on a one (1) for one (1) basis, but in no event shall the reduction exceed the total number of FGA or FGB premium access minutes originating from or terminating at that end office. The customer will be billed for the revised number of premium access minutes.

(3) The Telephone Company will provide written notification to all access customers of record within a particular local calling area that an end office in that local calling area is scheduled to be converted to an equal access end office. This notification will be sent, via certified U.S. Mail, to each customer of record in the local calling area where the conversion is scheduled to occur, at least six (6) months in advance of the conversion date.

(C)

The customer will have the choice of converting existing services to equal access (i.e., Feature Group D) at no charge pursuant to the conditions set forth in Section 4.6.4 preceding, or retaining the existing services. Premium rates will apply to the total access minutes beginning on the actual conversion date, whether the customer chooses to convert to FGD or retain existing services.

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(M) Material now appearing on this page previously appeared on Page 119.

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NORTH CAROLINA

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4. SWITCHED ACCESS SERVICE

4.6 RATE REGULATIONS (Cont'd)

4.6.12 MILEAGE MEASUREMENT

The mileage to be used to determine the rate for Direct-Trunked Transport and Tandem-Switched Transport is calculated on the airline distance between the end office switch where the call carried by Switched Transport Service originates or terminates and the customer's serving wire center, except as set forth in 4.6.12a. through m. following. 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). If the calculation results in a fraction of a mile, always round up to the next whole mile before applying the rate. (T)

Exceptions to the mileage measurement rules are as follows:

- a. When Switched Transport facilities of different capacities or bandwidths are interconnected by a Multiplexer at a location other than the serving wire center, mileage is determined using the V&H Coordinates Methods as set forth following: (T)

(1) When only one (1) Multiplexer is involved, mileage for Direct-Trunked Transport and Tandem-Switched Transport is measured separately from the serving wire center to the Hub where Multiplexing (i.e., facilities interconnection) occurs and then measured from the Hub to the end office where the call is switched to originate or terminate.

(2) When more than one (1) Multiplexer is involved, mileage for Direct-Trunked Transport and Tandem-Switched Transport is measured successively from the serving wire center to the first Hub, from the first Hub to the second Hub, and then from the second Hub to the end office where the call is switched to originate or terminate.

If more than two (2) Hubs are involved, mileage is measured successively between each intervening Hub with the final measurement being from the last Hub to the end office where the call is switched to originate or terminate.

- b. When transport is provided to a host/remote arrangement, Tandem-Switched Transmission rates apply from the Host Office to the associated RSMs/RSSs. Mileage for Tandem-Switched Transmission is calculated from the V&H Coordinates of the Host Office and the RSS/RSM where the call originates or terminates. Additional Tandem-Switched Transport or Direct-Trunked Transport rates apply depending on the Transport Service provided from the host/remote arrangement.
- c. When Switched Transport is provided to a Class 4/5 Switch (i.e., a switch that functions as both an access tandem and end office) for both access tandem routing and end office routing, mileage is calculated using the V&H Coordinates Method.

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Cancels Original Page 120.1
EFFECTIVE: June 20, 2000

4. SWITCHED ACCESS SERVICE

4.6 RATE REGULATIONS (Cont'd)

4.6.12 MILEAGE MEASUREMENT (Cont'd)

c. (Cont'd)

Direct-Trunked Transport is measured from the serving wire center to the Hub interconnecting the Tandem-Switched Transport and the Direct-Trunked Transport facilities and then measured from the Hub to the end office.

Tandem-Switched Transmission is measured from the Hub interconnecting the Tandem-Switched Transport and the Direct-Trunked Transport facilities to the end office where the call is switched to originate or terminate.

d. When Direct-Trunked Transport is provided for line side Switched Access Services (i.e., FGA), both Direct-Trunked Transport and Tandem-Switched Transmission rates apply.

Direct-Trunked Transport applies to both originating and terminating usage and mileage is calculated using the V&H Coordinates of the customer's serving wire center and the end office switch where the dial tone for the line side Switched Access Service is provided.

Tandem-Switched Transmission applies only to terminating usage and mileage is calculated using the V&H Coordinates of the dial tone office and the end office where the call is switched to terminate.

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(M)Material previously appearing on this page now appears on Page 120.1.0.

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4. SWITCHED ACCESS SERVICE

4.6 RATE REGULATIONS (Cont'd)

4.6.12 MILEAGE MEASUREMENT (Cont'd)

- e. Mileage for 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, between the 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.
- f. When trunks are rerouted from an end office to an access tandem, the Switched Transport mileage will be calculated on the airline distance between the end office and the serving wire center of the customer's POP associated with that access tandem.
- g. When the Alternate Traffic Routing optional feature is provided with Feature Groups B, C and D to provide service from an end office to different customer premises locations, Switched Transport access minutes will be apportioned between the two (2) transmission routes used to provide this feature. For Feature Groups B and C, such apportionment will be made using standard Telephone Company traffic engineering methodology and will be based on the last trunk CCS desired for the high usage group, as described in Section 4.2.5m. preceding, and the relative capacity ordered to the end office, when the feature is provided at an access tandem switch, or to the subtending end offices when the feature is provided at an access tandem switch. For Feature Group D, the apportionment will be based on the actual measured data which is recorded against the specific trunk group that carried a particular call. This apportionment will serve as the bases for the Switched Transport mileage calculation. The customer will be billed accordingly.

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(M) Material appearing on this page previously appeared on Original Page 120.1.

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4. SWITCHED ACCESS SERVICE

4.6 RATE REGULATIONS (Cont'd)

4.6.12 MILEAGE MEASUREMENT (Cont'd)

- h. Switched Transport mileage for access minutes originating from or terminating at a Remote Switching System (RSS) or Remote Switching Module (RSM) that shares an NXX with its Host Office will be based on the airline miles between the customer's serving wire center and the Host Office. Switched Transport mileage for access minutes originating from or terminating at an RSS or RSM that has its own NXX (i.e., different from the Host's NXX) will be based on the airline miles between the customer's serving wire center and the RSS or RSM.
- i. When terminating Feature Group C Switched Access Service is provided from multiple customer premises to an end office not equipped with measurement capabilities, the total Switched Transport access minutes for that end office will be apportioned among the trunk groups accessing the end office on the basis of the capacity ordered for each FGC trunk group. This apportionment will serve as the basis for Switched Transport mileage calculation and the customer will be billed accordingly.
- j. When FGA calls terminate within the local calling area of the dial tone office, the Switched Transport mileage will be calculated on an airline basis between the customer's serving wire center and the dial tone office.
- k. Switched Transport mileage for Interim 500, TFC and 900 Access Service is based on the airline distance between the end office switch where the Interim 500, TFC or 900 Access Service traffic originates and the customer's serving wire center.
- l. Reserved for Future Use
- m. When Feature Groups A, B, C and D Switched Access Services are connected with Special Access Service at a WATS Serving Office, the Telephone Company will measure mileage on an airline basis between:
 - (1) The WATS Serving Office and the serving wire center for the customer designated premises, or
 - (2) The Feature Group A or B entry switch and the serving wire center for the customer designated premises.

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4. SWITCHED ACCESS SERVICE

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4.6 RATE REGULATIONS (Cont'd)

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4.6.13 SHARED USE

(T)

Shared Use occurs when Switched Access Service and Special Access Service are provided over the same analog or digital High Capacity Service through a common interface. The regulations governing the provision of Shared Use Facilities are set forth in Section 5.4.5 following. Switched Access rates and charges as set forth in Section 4.7 following will apply for each channel of the High Capacity facility that is used to provide Switched Access Service.

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4.6.14 APPLICATION OF RATES FOR EXTENSION SERVICE

(T)

Feature Group A Service and WATS Access Lines provided with Feature Groups C and D WATS Access Lines are available with extensions, i.e., additional terminations of the service at different building(s) in the same or a different local calling area. Feature Group A extensions within the local calling area are provided and charged for under the Telephone Company's General Subscriber Services Tariff. Feature Group A extensions in different local calling areas and WATS access line extensions in different local calling areas are provided and charged for 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 Section 5.5 following will apply.

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(M) Material previously appearing on this page now appears on Page 120.2.

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4. SWITCHED ACCESS SERVICE

4.6 RATE REGULATIONS (Cont'd)

4.6.15 Reserved for Future use

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4. SWITCHED ACCESS SERVICE

4.6 RATE REGULATIONS (Cont'd)

(D)

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4.6.16 INTERIM 500 ACCESS SERVICE USAGE MEASUREMENT

Usage measurement from non equal access and equal access end offices without the customer identification function begins when the originating end office switch receives off-hook supervision forwarded from the customer's Point of Termination, indicating the transmitted digits have been received, except for FGC as stated following.

Usage measurement for FGC begins when the originating end office receives off-hook answer supervision forwarded from the customer's Point of Termination, indicating the called party has answered.

Usage measurement from equal access end offices with the customer identification function begins when the originating end office switch receives the first wink supervisory signal forwarded from the customer's Point of Termination.

In all cases, usage measurement ends when the originating end office receives on-hook 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 end office.

4.6.17 900 ACCESS SERVICE USAGE MEASUREMENT

Usage measurement from non equal access and equal access end offices without the customer identification function begins when the originating end office switch receives off-hook supervision forwarded from the customer's Point of Termination, indicating the transmitted digits have been received, except for FGC as stated following.

Usage measurement for FGC begins when the originating end office receives off-hook answer supervision forwarded from the customer's Point of Termination, indicating the called party has answered.

Usage measurement from equal access end offices with the customer identification function begins when the originating end office switch receives the first wink supervisory signal forwarded from the customer's Point of Termination.

In all cases, usage measurement ends when the originating end office receives on-hook 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 end office.

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4. SWITCHED ACCESS SERVICE

4.6 RATE REGULATIONS (Cont'd)

4.6.18 **RESERVED FOR FUTURE USE**

(D)

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4.6.19 INTERIM 500 OR 900 NXX IN MULTI-STATE LATAS

For customers ordering LATA-wide Interim 500 Access Service or 900 Access Service in LATAs that cross state boundaries, but are served by the same screening office, the applicable nonrecurring charge for that screening office, as set forth in Sections 4.7.5 and 4.7.6 following, will not be billed twice (i.e., once for each state); they will only be billed once for each NXX code activated or deactivated in that screening office.

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4. SWITCHED ACCESS SERVICE

4.6 RATE REGULATIONS (Cont'd)

4.6.20 FACILITY HUBS

A customer has the option of ordering DS1, DS3 or STS1 facilities to a facility Hub for channelizing to individual services requiring lower capacity facilities. (C)

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 Voice may occur at a different location). When ordering, the customer must specify the desired Multiplexing Hub(s) selected from the National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4. This tariff identifies the type(s) of Multiplexing functions which are available and the wire centers at which they are available.

Some of the types of Multiplexing available include the following:

- from higher to lower bit rate
- from digital to voice frequency channels

End-to-End Services may be provided on channels of these facilities to a Hub. The transmission performance for the End-to-End Service provided between customer designated premises will be that of the lower capacity or bit rate. For example, when a DS1 facility is Multiplexed to voice frequency channels, the transmission performance of the channelized services will be Voice Grade, not DS1.

The Telephone Company will commence billing the monthly rate for the facility to the Hub on the date specified by the customer on the service order. Individual services utilizing these facilities may be installed coincident with the installation of the facility to the Hub, or may be ordered and/or installed at a later date, at the option of the customer. The customer will be billed for a DS1, DS3 or STS1 Channel Termination Channel Mileage (when applicable) and multiplexing at the time the facility is installed. Individual service rates (by service type) will apply for a Channel Termination and additional Channel Mileage (as required) for each channelized service. These will be billed to the customer as each individual service is installed. (C)
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(C)

Cascading Multiplexing occurs when a DS1, DS3 or STS1 facilities de-multiplexed to provide channels with a lesser capacity and one (1) of the lesser capacity channels is further de-multiplexed. For example, a DS3 facility is de-multiplexed to twenty-eight (28) DS1 facilities, and then one (1) of the DS1 facilities is further de-multiplexed to individual Voice Grade channels. (C)

When Cascading Multiplexing is performed, whether in the same or different Hub, a charge for the additional Multiplexing unit also applies. When Cascading Multiplexing is performed at different Hubbing locations, Channel Mileage Charges also apply between the Hubs.

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(T)

4. SWITCHED ACCESS SERVICE

4.7 RATES AND CHARGES

4.7.1 Reserved for Future Use

(D)

4.7.2 SWITCHED TRANSPORT

(D)

a. Entrance Facilities

	<u>Monthly Rate</u>		<u>Nonrecurring Charge</u>	
(1) Voice Grade				
- Per Point of Termination				
- Two-Wire				
Zone 1	\$37.50	(I)	\$121.00	(I) (C)
Zone 2	37.50	(I)	121.00	(I) (C)
- Four-Wire				
Zone 1	56.25	(I)	121.00	(I) (C)
Zone 2	56.25	(I)	121.00	(I) (C)

(2) DS1 - Per DS1

(C)

	<u>Monthly Rates</u>			<u>Nonrecurring Installation Charge</u>
	<u>Within CO</u>	<u>0 – 3 Miles</u>	<u>Over 3 Miles</u>	
Zone 1	\$106.00 (R)	\$106.00 (R)	\$106.00 (R)	\$350.00 (I)
Zone 2	111.00 (R)	111.00 (R)	111.00 (R)	350.00 (I)

(3) DS3 - Per Point of Termination

	<u>Monthly Rates</u>			<u>Nonrecurring</u>	
	<u>Within CO</u>	<u>0 – 3 Miles</u>	<u>Over 3 Miles</u>	<u>Installation Charge</u>	<u>Rearrangement Charge</u>
Zone 1	\$605.00 (R)	\$1,113.00(R)	\$1,869.00(R)	\$450.00(N)	\$225.00 (N)
Zone 2	622.50 (R)	1,152.80(R)	1,962.60(R)	450.00 (I)	225.00 (N)

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4. SWITCHED ACCESS SERVICE

4.7 RATES AND CHARGES (Cont'd)

4.7.2 SWITCHED TRANSPORT (Cont'd)

a. Entrance Facilities

(4) OptiPoint-3 With Telephone Company Provided Terminal Equipment

(a) One Year Commitment Rates – Per Point of Termination

	Monthly Rates			Nonrecurring Installation Charge	
	Within CO	0 – 3 Miles	Over 3 Miles		
Zone 1	\$1,918.00 (R)	\$3,295.00 (R)	\$4,977.00 (R)	\$4,130.00	(C)
Zone 2	2,014.00	3,459.00	5,226.00	4,130.00	(C)

(b) Three Year Commitment Rates – Per Point of Termination

	Monthly Rates			
	Within CO	0 – 3 Miles	Over 3 Miles	
Zone 1	\$1,598.40 (R)	\$2,745.60 (R)	\$4,147.20 (R)	(C)
Zone 2	1,678.30 (I)	2,882.90 (I)	4,354.60 (I)	(C)

(c) Five Year Commitment Rates – Per Point of Termination

	Monthly Rates			
	Within CO	0 – 3 Miles	Over 3 Miles	
Zone 1	\$1,440.00 (N)	\$2,472.00 (N)	\$3,734.00 (N)	(C)
Zone 2	1,512.00 (I)	2,595.60 (I)	3,921.10 (I)	(C)

ACCESS SERVICE TARIFF

CENTRAL TELEPHONE COMPANY
 NORTH CAROLINA
 d/b/a CENTURYLINK

Tariff NCUC No. 1
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4. SWITCHED ACCESS SERVICE

4.7 RATES AND CHARGES (Cont'd)

4.7.2 SWITCHED TRANSPORT (Cont'd)

a. Entrance Facilities (Cont'd)

(5) OptiPoint-3 Without Telephone Company Provided Terminal Equipment

(a) One Year Commitment Rates – Per Point of Termination

	Monthly Rates			Nonrecurring Installation Charge	
	Within CO	0 – 3 Miles	Over 3 Miles		
Zone 1	\$1,140.00 (R)	\$2,506.00 (R)	\$4,188.00 (R)	\$3,200.00	(C)
Zone 2	1,197.00	2,631.00	4,397.00	3,200.00	(C)

(b) Three Year Commitment Rates – Per Point of Termination

	Monthly Rates			
	Within CO	0 – 3 Miles	Over 3 Miles	
Zone 1	\$950.40 (R)	\$2,088.00 (R)	\$3,489.60 (R)	(C)
Zone 2	997.90 (I)	2,192.40 (I)	3,664.10 (I)	(C)

(c) Five Year Commitment Rates – Per Point of Termination

	Monthly Rates			
	Within CO	0 – 3 Miles	Over 3 Miles	
Zone 1	\$854.40 (R)	\$1,881.60 (R)	\$3,144.00 (R)	(C)
Zone 2	897.10 (I)	1,975.70 (I)	3,301.20 (I)	(C)

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4. SWITCHED ACCESS SERVICE

4.7 RATES AND CHARGES (Cont'd)

4.7.2 SWITCHED TRANSPORT (Cont'd)

a. Entrance Facilities (Cont'd)

(6) OptiPoint-12 With Telephone Company Provided Terminal Equipment

a) One Year Commitment Rates – Per Point of Termination

	Monthly Rates			Nonrecurring Installation Charge	
	Within CO	0 – 3 Miles	Over 3 Miles		
Zone 1	\$2,304.00 (R)	\$3,571.00 (R)	\$5,374.00 (R)	\$11,520.00	(C)
Zone 2	2,419.00	3,750.00	5,643.00	11,520.00	(C)

(b) Three Year Commitment Rates – Per Point of Termination

	Monthly Rates			
	Within CO	0 – 3 Miles	Over 3 Miles	
Zone 1	\$1,920.00 (R)	\$2,976.00 (R)	\$4,478.00 (R)	(C)
Zone 2	2,016.00 (I)	3,124.80 (I)	4,702.30 (I)	(C)

(c) Five Year Commitment Rates – Per Point of Termination

	Monthly Rates			
	Within CO	0 – 3 Miles	Over 3 Miles	
Zone 1	\$1,728.00 (R)	\$2,688.00 (R)	\$4,032.00 (R)	(C)
Zone 2	1,814.40 (I)	2,822.40 (I)	4,233.60 (I)	(C)

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4. SWITCHED ACCESS SERVICE

4.7 RATES AND CHARGES (Cont'd)

4.7.2 SWITCHED TRANSPORT (Cont'd)

a. Entrance Facilities (Cont'd)

(7) OptiPoint-12 Without Telephone Company Provided Terminal Equipment

a) One Year Commitment Rates – Per Point of Termination

	Monthly Rates			Nonrecurring Installation Charge	
	Within CO	0 – 3 Miles	Over 3 Miles		
Zone 1	\$1,394.00 (R)	\$2,684.00 (R)	\$4,464.00 (R)	\$10,080.00	(C)
Zone 2	1,464.00	2,818.00	4,687.00	10,080.00	(C)

(b) Three Year Commitment Rates – Per Point of Termination

	Monthly Rates			
	Within CO	0 – 3 Miles	Over 3 Miles	
Zone 1	\$1,161.80 (R)	\$2,236.80 (R)	\$3,720.00 (R)	(C)
Zone 2	1,219.70 (I)	2,348.60 (I)	3,906.00 (I)	(C)

(c) Five Year Commitment Rates – Per Point of Termination

	Monthly Rates			
	Within CO	0 – 3 Miles	Over 3 Miles	
Zone 1	\$1,046.40 (R)	\$2,020.80 (R)	\$3,350.40 (R)	(C)
Zone 2	1,098.70 (I)	2,121.80 (I)	3,517.90 (I)	(C)

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4. SWITCHED ACCESS SERVICE

4.7 RATES AND CHARGES (Cont'd)

4.7.2 SWITCHED TRANSPORT (Cont'd)

a. Entrance Facilities (Cont'd)

(8) OptiPoint-48 With Telephone Company Provided Terminal Equipment

(a) Three Year Commitment Rates – Per Point of Termination

	Monthly Rates			
	Within CO	0 – 3 Miles	Over 3 Miles	
Zone 1	\$6,240.00 (R)	\$9,600.00 (R)	\$13,152.00 (R)	(N)
Zone 2	6,552.00 (I)	10,080.00 (I)	13,809.60 (I)	(C)

(b) Five Year Commitment Rates – Per Point of Termination

	Monthly Rates			
	Within CO	0 – 3 Miles	Over 3 Miles	
Zone 1	\$5,664.00 (R)	\$8,640.00 (R)	\$12,480.00 (R)	(C)
Zone 2	5,947.20 (I)	9,072.00 (I)	13,104.00 (I)	(C)

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4. SWITCHED ACCESS SERVICE

4.7 RATES AND CHARGES (Cont'd)

4.7.2 SWITCHED TRANSPORT (Cont'd)

a. Entrance Facilities (Cont'd)

(9) OptiPoint-48 Without Telephone Company Provided Terminal Equipment

(a) Three Year Commitment Rates – Per Point of Termination

	Monthly Rates			
	Within CO	0 – 3 Miles	Over 3 Miles	
Zone 1	\$3,744.00 (R)	\$6,432.00 (R)	\$9,408.00 (R)	(C)
Zone 2	3,931.20 (I)	6,753.60 (I)	9,878.40 (I)	(C)

(b) Five Year Commitment Rates – Per Point of Termination

	Monthly Rates			
	Within CO	0 – 3 Miles	Over 3 Miles	
Zone 1	\$3,456.00 (R)	\$6,144.00 (R)	\$8,928.00 (R)	(C)
Zone 2	3,628.80 (I)	6,451.20 (I)	9,374.40 (I)	(C)

(10) OptiPoint-192 With Telephone Company Provided Terminal Equipment

(a) Three Year Commitment Rates – Per Point of Termination

	Monthly Rates			
	Within CO	0 – 3 Miles	Over 3 Miles	
Zone 1	\$15,510.30 (N)	\$23,663.20 (N)	\$34,178.00 (N)	(N)
Zone 2	16,285.80 (I)	24,846.40 (I)	35,886.90 (I)	(C)

(b) Five Year Commitment Rates – Per Point of Termination

	Monthly Rates			
	Within CO	0 – 3 Miles	Over 3 Miles	
Zone 1	\$14,103.80 (N)	\$21,509.80 (N)	\$31,074.00 (N)	(N)
Zone 2	14,809.00 (I)	22,585.30 (I)	32,627.70 (I)	(C)

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4. SWITCHED ACCESS SERVICE

4.7 RATES AND CHARGES (Cont'd)

4.7.2 SWITCHED TRANSPORT (Cont'd)

a. Entrance Facilities (Cont'd)

(11) OptiPoint-192 Without Telephone Company Provided Terminal Equipment

(a) Three Year Commitment Rates – Per Point of Termination

	Monthly Rates			
	Within CO	0 – 3 Miles	Over 3 Miles	
Zone 1	\$9,467.20 (N)	\$16,829.50 (N)	\$24,453.70 (N)	(N)
Zone 2	\$9,940.60 (I)	\$17,671.00 (I)	\$25,676.40 (I)	(C)

(b) Five Year Commitment Rates – Per Point of Termination

	Monthly Rates			
	Within CO	0 – 3 Miles	Over 3 Miles	
Zone 1	\$8,603.90 (N)	\$15,296.90 (N)	\$22,232.40 (N)	(N)
Zone 2	9,034.10 (I)	16,061.70 (I)	23,344.00 (I)	(C)

(12) STS1 (51.84 Mbps) – Per Point of Termination

	Monthly Rates			Nonrecurring		
	Within CO	0 – 3 Miles	Over 3 Miles	Installation Charge	Rearrangement Charge	
Zone 1	\$1,025.00(I)	\$1,455.00 (R)	\$2,425.00 (R)	\$325.00	\$162.50	(C)
Zone 2	1,100.00 (I)	1,527.80	2,546.30	325.00	162.50	(C)

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4. SWITCHED ACCESS SERVICE

4.7 RATES AND CHARGES (Cont'd)

4.7.2 SWITCHED TRANSPORT (Cont'd)

b. Direct-Trunked Transport

		<u>Monthly Rates</u>			
		<u>Termination (Fixed)</u>		<u>Facility (Per Mile)</u>	
(1)	Voice Grade				
-	Per Channel	\$23.50	(R)	\$1.00	(R) (C)
(2)	DS1- Per DS1				
	Zone 1	74.50	(I)	6.75	(R) (C)
	Zone 2	77.25	(I)	7.10	(R) (C)
(3)	DS3- Per DS3				
	Zone 1	531.60	(R)	105.20	(R) (C)
	Zone 2	558.20	(R)	110.50	(R) (C)
(4)	OptiPoint-3				
(a)	One Year Commitment Rates				
	Zone 1	2,329.00	(R)	156.00	(R) (C)
	Zone 2	2,446.00		163.00	(C)
(b)	Three Year Commitment Rates				
	Zone 1	\$1,941.10	(R)	129.60	(R) (C)
	Zone 2	2,038.20	(I)	136.10	(I) (C)
(c)	Five Year Commitment Rates				
	Zone 1	\$1,740.50	(R)	\$115.20	(R) (C)
	Zone 2	1,827.50	(I)	121.00	(I) (C)
(5)	OptiPoint-12				
(a)	One Year Commitment Rates				
	Zone 1	\$6,891.00	(R)	\$351.00	(R) (C)
	Zone 2	7,236.00		369.00	(C)
(b)	Three Year Commitment Rates				
	Zone 1	\$5,742.70	(R)	\$292.80	(R) (C)
	Zone 2	6,029.80	(I)	307.40	(I) (C)
(c)	Five Year Commitment Rates				
	Zone 1	\$5,167.70	(R)	\$264.00	(R) (C)
	Zone 2	5,426.10	(I)	277.20	(I) (C)

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4. SWITCHED ACCESS SERVICE

4.7 RATES AND CHARGES (Cont'd)

4.7.2 SWITCHED TRANSPORT (Cont'd)

b.	<u>Direct-Trunked Transport</u>	<u>Monthly Rates</u>		(T)
		<u>Termination (Fixed)</u>	<u>Facility (Per Mile)</u>	(T)
(6)	OptiPoint-48			
	(a) Three Year Commitment Rates			
	Zone 1	\$13,440.00	\$720.00	
	Zone 2	\$14,112.00	\$756.00	
	(b) Five Year Commitment Rates			
	Zone 1	\$12,096.00	\$672.00	
	Zone 2	12,700.80	705.60	
(7)	OptiPoint-192			
	(a) Three Year Commitment Rates			
	Zone 1	\$24,739.90	\$1,493.80	
	Zone 2	25,976.90	1,568.50	
	(b) Five Year Commitment Rates			
	Zone 1	\$22,489.50	\$1,358.00	
	Zone 2	23,614.00	1,425.90	
(8)	STS1 (51.83 Mbps) Termination			
	- Per STS1			
	Zone 1	\$679.00	\$121.30	
	Zone 2	713.00	127.40	
c.	Tandem-Switched Transport			
(1)	Tandem-Switched Transmission			
		<u>Termination (Fixed)</u>	<u>Facility (Per Mile)</u>	
		Per Access Minute	Per Access Minute	
		<u>Fixed</u>	<u>Per Mile</u>	
	Zone 1			
	Originating Non-Toll Free*	\$0.000239	\$0.000045	(T)
	Terminating 3rd Party	0.000226	0.000026	
	Terminating End Office	0.000000	0.000000	
	Zone 2			
	Originating Non-Toll Free*	0.000239	0.000045	(T)
	Terminating 3rd Party	0.000226	0.000026	
	Terminating End Office	0.000000	0.000000	

* Effective July 1, 2021, pursuant to FCC 20-143, separate rate elements for Toll Free and Non-Toll Free originating transport services were established. The Non-Toll Free originating element is displayed in 4.7.2.c.(1). The Toll Free rate element for originating transport services is displayed as 8YY Joint Tandem Switched Transport in 4.7.2.c.(4). (N)

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4. SWITCHED ACCESS SERVICE

4.7 RATES AND CHARGES (Cont'd)

4.7.2 SWITCHED TRANSPORT (Cont'd)

c. Tandem-Switched Transport (Cont'd)

		<u>Rate Per</u> <u>Access Minute</u>	
(2)	Tandem Switching		
	Zone 1		
	Originating Non-Toll Free*	\$0.000856	(T)
	Terminating 3rd Party	0.000639	
	Terminating End Office	0.000000	
	Zone 2		
	Originating Non-Toll Free*	0.000856	
	Terminating 3rd Party	0.000639	
	Terminating End Office	0.000000	
(3)	Common Transport Multiplexing		
	Zone 1		
	Originating Non-Toll Free*	0.000755	(T)
	Terminating 3rd Party	0.000755	
	Terminating End Office	0.000000	
	Zone 2		
	Originating Non-Toll Free*	0.000755	(T)
	Terminating 3rd Party	0.000755	
	Terminating End Office	0.000000	
(4)	8YY Joint Tandem Switched Transport		(N)
	All Zones		(N)
	Originating Toll Free	0.001	(N)

* Effective July 1, 2021, pursuant to FCC 20-143, separate rate elements for Toll Free and Non-Toll Free originating transport services were established. The Non-Toll Free originating element is displayed in 4.7.2.c.(2) and (3). The Toll Free rate element for originating transport services is displayed as 8YY Joint Tandem Switched Transport in 4.7.2.c.(4). (N)

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4. SWITCHED ACCESS SERVICE

4.7 RATES AND CHARGES (Cont'd)

4.7.2 SWITCHED TRANSPORT (Cont'd)

c. Tandem-Switched Transport (Cont'd)

(5)	Dedicated Trunk Port Per DSO Per DS1	<u>Monthly Rate</u> \$ 4.44 94.55	(T)
(6)	Dedicated Multiplexing - DS3 to DS1 Zone 1 Zone 2	<u>Monthly Rate</u> \$194.80 204.50	(T)
		Nonrecurring <u>Charge</u> \$150.00 150.00	

d. Optional Features

(1)	Provision of Other than Telephone Company Selected Traffic Routing (Available with FGB, FGC and FGD)		
	- Direct Trunking in lieu of Tandem Trunking	GAR	GAR
	- Tandem Trunking in lieu of Direct Trunking	GAR	GAR
(2)	Customer Specification of Feature Group Directionality (Available with FGB, FGC and FGD)		
	- One-Way Operation in lieu of Two-Way Operation	GAR	GAR
	- Two-Way Operation in lieu of One-Way Operation	GAR	GAR

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4. SWITCHED ACCESS SERVICE

4.7 RATES AND CHARGES (Cont'd)

4.7.2 SWITCHED TRANSPORT (Cont'd)

d. Optional Features (Cont'd)

	<u>Monthly Rate</u>		<u>Nonrecurring Charge</u>	(M)
(3) Customer Specification of Switched Transport Termination (Available with FGB with Type B Transmission Performance)				
- Four-Wire Termination in lieu of Two-Wire Termination	GAR		GAR	(C)
(4) Multiplexing				
- DS1 to Voice Grade				
Zone 1	\$185.00	(R)	\$151.00	(I) (C)
Zone 2	195.00	(R)	151.00	(I) (C)
- DS3 to DS1				
Zone 1	194.80	(R)	150.00	(I) (C)
Zone 2	204.50	(R)	150.00	(I) (C)
- STS1 to DS1				
Zone 1	358.90	(R)	250.00	(I) (C)
Zone 2	376.80		250.00	(M) (C)

(5) OptiPoint Configuration Node – per arrangement

OC3	<u>Monthly Rates</u>			
	<u>1 Year</u>	<u>3 Year</u>	<u>5 Year</u>	
Zone 1	\$202.00 (N)	\$168.00 (N)	\$161.00 (N)	(N)
Zone 2	212.00	176.40 (I)	151.20 (I)	(C)
<u>OC12</u>				
Zone 1	922.00 (N)	768.00 (N)	672.00 (N)	(N)
Zone 2	968.00	806.40 (I)	705.60 (I)	(C)
<u>OC48</u>				
Zone 1	N/A	854.40 (N)	748.80 (N)	(N)
Zone 2	N/A	897.10 (I)	786.20 (I)	(C)
<u>OC192</u>				
Zone 1	N/A	2,677.20(N)	2,429.90(N)	(N)
Zone 2	N/A	2,811.10 (I)	2,551.40 (I)	(C)

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4. SWITCHED ACCESS SERVICE

4.7 RATES AND CHARGES (Cont'd)

4.7.2 SWITCHED TRANSPORT (Cont'd)

d. Optional Features (Cont'd)

(6) OptiPoint 3 Configuration Card

Monthly Rates – Per Card				
	1 Year	3 Year	5 Year	
<u>DS1</u>				
Zone 1	\$23.00 (N)	\$19.20 (N)	\$14.40(N)	(N)
Zone 2	24.00	20.20 (I)	15.10(I)	(C)
<u>DS3</u>				
Zone 1	69.00 (N)	57.60 (N)	52.80(N)	(N)
Zone 2	73.00	60.50 (I)	55.40 (I)	(C)
<u>OC3 Concatenated</u>				
Zone 1	397.00(N)	331.20(N)	292.80(N)	(C)
Zone 2	417.00	347.80(I)	307.40(I)	(N)
<u>STS</u>				
Zone 1	75.00 (N)	62.40 (N)	57.60 (N)	(N)
Zone 2	79.00	65.50	60.50	(C)

(7) OptiPoint-12 Configuration Card

Monthly Rates – Per Card				
	1 Year	3 Year	5 Year	
<u>DS1</u>				
Zone 1	\$23.00 (N)	\$19.20 (N)	\$14.40 (N)	(N)
Zone 2	24.00	20.20 (I)	15.10 (I)	(C)
<u>DS3</u>				
Zone 1	69.00 (N)	57.60 (N)	52.80 (N)	(N)
Zone 2	73.00	60.50 (I)	55.40	(C)
<u>OC3</u>				
Zone 1	184.00(N)	153.60 (N)	139.50 (N)	(N)
Zone 2	194.00	161.30 (I)	146.50	(C)
<u>OC3 Concatenated</u>				
Zone 1	282.00(N)	235.20 (N)	196.80 (N)	(N)
Zone 2	296.00	247.00 (I)	206.60 (I)	(C)
<u>OC12 Concatenated</u>				
Zone 1	3,544.00(N)	2,953.00 (N)	2,685.10(N)	(N)
Zone 2	3,721.00	3,100.70 (I)	2,819.40	(C)
<u>STS</u>				
Zone 1	75.00 (N)	62.40 (N)	57.60 (N)	(N)
Zone 2	79.00	65.50 (I)	60.50 (I)	(C)

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4.7 RATES AND CHARGES (Cont'd)

4.7.2 SWITCHED TRANSPORT (Cont'd)

d. Optional Features (Cont'd)

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4. SWITCHED ACCESS SERVICE

4.7 RATES AND CHARGES (Cont'd)

4.7.2 SWITCHED TRANSPORT (Cont'd)

d. Optional Features (Cont'd)

(8) OptiPoint-48 Configuration Card

	Monthly Rate – Per Card		
	3 Year	5 Year	
<u>DS3</u>			
Zone 1	\$120.00 (N)	\$105.60 (N)	(N)
Zone 2	126.00 (I)	110.90 (I)	(C)
<u>OC3</u>			
Zone 1	\$384.00 (N)	\$288.00 (N)	(N)
Zone 2	403.20 (I)	302.40 (I)	(C)
<u>OC12</u>			
Zone 1	\$576.00 (N)	\$456.00 (N)	(N)
Zone 2	604.80 (I)	478.80 (I)	(C)
<u>OC3 Concatenated</u>			
Zone 1	\$422.40 (N)	\$316.80 (N)	(N)
Zone 2	443.50 (I)	332.60 (I)	(C)
<u>OC12 Concatenated</u>			
Zone 1	\$633.60 (N)	\$504.00 (N)	(N)
Zone 2	665.30 (I)	529.20 (I)	(C)
<u>STS</u>			
Zone 1	\$144.00 (N)	\$129.60 (N)	(N)
Zone 2	151.20 (I)	136.10 (R)	(C)

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4. SWITCHED ACCESS SERVICE

4.7 RATES AND CHARGES (Cont'd)

4.7.2 SWITCHED TRANSPORT (Cont'd)

d. Optional Features (Cont'd)

(9) OptiPoint-192 Configuration Card

	Monthly Rate – Per Card		
	3 Year	5 Year	
<u>DS3</u>			
Zone 1	\$164.90 (N)	\$150.40 (N)	(N)
Zone 2	173.10	157.90	(C)
<u>OC3</u>			
Zone 1	\$417.10 (N)	\$378.30 (N)	(N)
Zone 2	438.00	397.20 (R)	(C)
<u>OC12</u>			
Zone 1	\$664.50 (N)	\$601.40 (N)	(N)
Zone 2	697.70 (I)	631.50 (R)	(C)
<u>OC48</u>			
Zone 1	\$1,993.40(N)	\$1,804.20(N)	(N)
Zone 2	2,093.10 (I)	1,894.40 (R)	(D)
<u>OC3 Concatenated</u>			
Zone 1	\$460.80 (N)	\$417.10 (N)	(N)
Zone 2	483.80 (I)	438.00 (R)	(C)
<u>OC12 Concatenated</u>			
Zone 1	\$732.40 (N)	\$664.50 (N)	(N)
Zone 2	769.00 (I)	697.70 (R)	(C)
<u>OC48 Concatenated</u>			
Zone 1	\$2,197.10(N)	\$1,993.40(N)	(N)
Zone 2	2,307.00 (I)	2,093.10 (R)	(C)
<u>STS</u>			
Zone 1	203.70 (N)	184.30 (N)	(N)
Zone 2	213.90 (R)	193.50 (R)	(C)

ACCESS SERVICE TARIFF

CENTRAL TELEPHONE COMPANY
d/b/a CENTURYLINK
NORTH CAROLINA

Tariff NCUC No. 1
8th Revised Page 122.3
Cancels 7th Revised Page 122.3
EFFECTIVE: July 1, 2021

4. SWITCHED ACCESS SERVICE

4.7 RATES AND CHARGES (Cont'd)

4.7.2 SWITCHED TRANSPORT (Cont'd)

d. Optional Features (Cont'd)

- | | |
|--------------------------------------------------------------------------------------|------------------------------------------|
| (10) OptiPoint-3, 12, 48 and 192 Service Upgrade
- per DS1, DS3, or STS1 Upgraded | <u>Nonrecurring Charge</u>
\$1,000.00 |
| (11) OptiPoint Reconfiguration Charge
- per DS3 Equivalent | \$ 625.00 |
| (12) OptiPoint Regeneration Charge | |

MSA	Monthly Rates – Per Card		
	1 Year	3 Year	5 Year
OC3	\$1,680.00	\$1,400.00	\$1,200.00
OC12	3,000.00	2,500.00	2,200.00
OC48		4,500.00	4,200.00
OC192		6,875.00	6,250.00

- | | |
|-----------------------------------------------------------|---------|
| e. <u>Network Blocking Charge</u> (Applies to FGD) | GAR |
| f. <u>Installation – Per Line or Trunk</u> ^[1] | \$20.00 |

4.7.3 LOCAL SWITCHING

- | | | |
|----------------------------------|-------------------------------|-----|
| a. Premium Rates – LS1 and LS2 | <u>Rate Per Access Minute</u> | |
| Originating Toll Free | \$0.003735 (R) | (C) |
| Originating Non-Toll Free | 0.012618 | (C) |
| Terminating | 0.000000 | |

- b. Reserved for Future Use
- c. Trunk Conversion Charge

A nonrecurring charge will apply when a customer requests a conversion of FGB trunks from SSF signaling to multi-frequency signaling as specified below.

- | | |
|-------------------------------------------------|------------------------------------------------------|
| - Per 24 Channels Converted or Fraction Thereof | <u>Nonrecurring Charge</u> ^[1]
\$24.03 |
|-------------------------------------------------|------------------------------------------------------|

- d. End Office to Tandem Rearrangement Charge

A nonrecurring charge will apply when a customer requests end office or tandem rearrangement of FGD trunks as set forth in 4.6.1 c. preceding.

- | | |
|-----------------------------------------------|------------------------------------------------------|
| Per 24 Channels Converted or Fraction Thereof | <u>Nonrecurring Charge</u> ^[1]
\$30.50 |
|-----------------------------------------------|------------------------------------------------------|

^[1] 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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9th Revised Page 123
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EFFECTIVE: July 1, 2021

4. SWITCHED ACCESS SERVICE

4.7 RATES AND CHARGES (Cont'd)

4.7.3 LOCAL SWITCHING

e. Carrier Selection Parameter Charge ^[1]

A nonrecurring charge will apply when a customer requests the Carrier Selection Parameter optional feature described in 4.2.5.dd., preceding. This charge does not apply if the feature is installed coincident with the initial installation of a service.

-	Per End Office Equipped	<u>Nonrecurring Charge</u> \$10.00
---	-------------------------	---------------------------------------

f. Dedicated Trunk Port ^[2]

	<u>Monthly Rate</u>
Per DS0, per channel	\$ 2.22
Per DS1	47.28

g. Common Trunk Port

	<u>Rate Per Access Minute</u>	
Originating - Toll Free	\$0.000386	(C)
Originating - Non-Toll Free	\$0.000386	(C)
Terminating	0.000000	

4.7.4 TOLL FREE CODE (TFC) ACCESS SERVICE

a. TFC Service Data Base Query

	<u>Rate</u>	
-	Per Query	\$0.004248 (R)

b. TFC Data Base Optional Service Features ^[3]

-	Per Query	\$0.00000 (R)
---	-----------	----------------------

^[1] 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.

^[2] The End Office Dedicated Trunk Port rate was calculated based upon a 50/50 split between originating and terminating traffic using this flat-rated port. The FCC in their FCC 11-161 ICC Transformation order in section 51.907(d)(1) allowed Price Cap Carriers to use an equal split to divide the charge between originating and terminating elements. 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. The DS0 Originating portion of the charge is \$2.22 and the DS1 Originating portion of the charge is \$47.28.

^[3] When a combination of one (1) or more TFC Data Base Optional Features is used, only one (1) charge will apply.

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Cancels Second Revised Page 124
EFFECTIVE: September 1, 2000

4. SWITCHED ACCESS SERVICE

4.7 RATES AND CHARGES (Cont'd)

4.7.5 INTERIM 500 ACCESS SERVICE

a. Assembly of Route Pattern – 1 + Dialing

- Per end office switch (including end office collocated with access tandem).

(D)	Nonrecurring <u>Charge</u>
(D)	\$45.00

b. 500 NXX Code Activation or Deactivation – 1 + Dialing

- Per NXX Code added or deleted per end office.

(D)	Nonrecurring <u>Charge</u>
(D)	\$15.00

c. Assembly of Route Pattern – 0 + Dialing

- Per end office switch (including end office collocated with access tandem)

(D)	Nonrecurring <u>Charge</u>
(D)	\$45.00

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CENTRAL TELEPHONE COMPANY
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Tariff NCUC No. 1
Second Revised Page 124.1
Cancels First Revised Page 124.1
EFFECTIVE: September 1, 2000

4. SWITCHED ACCESS SERVICE

4.7 RATES AND CHARGES (Cont'd)

4.7.5 INTERIM 500 ACCESS SERVICE (Cont'd)

d. 500 NXX Code Activation or Deactivation – 0 + Dialing

- Per NXX Code added or deleted per end office.

(D)	<u>Nonrecurring Charge</u>
(D)	\$15.00

4.7.6 900 ACCESS SERVICE

a. Assembly of Route Pattern

- Per end office switch (including end office collocated with access tandem)

(D)	<u>Nonrecurring Charge</u>
(D)	\$45.00

b. 900 NXX Code Activation or Deactivation

- Per NXX Code added or deleted per end office.

(D)	<u>Nonrecurring Charge</u>
(D)	\$15.00

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NORTH CAROLINA

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Fifth Revised Page 124.2
Cancels Fourth Revised Page 124.2
EFFECTIVE: July 2, 2013

4. SWITCHED ACCESS SERVICE

4.7 RATES AND CHARGES (Cont'd)

4.7.7 RESERVED FOR FUTURE USE

(C)

(D)

(D)

4.7.8 OPTICAL SERVICE CHARGE

Nonrecurring Charge

- Per Node

- OC3	\$7,500.00
- OC12	8,500.00
- OC48	12,500.00
- OC192	17,500.00

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CENTRAL TELEPHONE COMPANY
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Fifth Revised Contents Page 1
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EFFECTIVE: March 1, 2001

5. SPECIAL ACCESS SERVICE

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(C)

(M)

(M) Material previously appearing on this page now appears on Contents Page 2.

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d/b/a CenturyLink
NORTH CAROLINA

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2nd Revised Contents Page 2 (T)
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5. SPECIAL ACCESS SERVICE

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^[1] **Effective November 1, 2021, Voice Grade and Digital Data Services are grandfathered. Availability to current customers is limited to circuits in service at existing locations.** (N)
(N)

ACCESS SERVICE TARIFF

CENTRAL TELEPHONE COMPANY
NORTH CAROLINA

Tariff NCUC No. 1
Second Revised Page 125
Cancels First Revised Page 125
EFFECTIVE: July 17, 2000

5. SPECIAL ACCESS SERVICE

5.1 GENERAL

Special Access Service provides a transmission path to connect Customer designated premises, either directly or through a Telephone Company hub where bridging or multiplexing functions are performed.* Special Access Service includes all exchange access not utilizing Telephone Company end office switches. This type of Access Service is used, for example, by Customers for the provision of private line service.

The provision of Special Access in all situations is dependent upon the availability of Telephone Company plant and equipment.

5.1.1 CHANNEL TYPES

There are five types of channels used to provide Special Access Service. These channels can be either analog or digital. Analog channels are differentiated by spectrum and bandwidth. Digital connections are differentiated by bit rate. The specific types of channels (e.g., Voice Grade, Digital Data, etc.) provided under Special Access are described in Section 5.2.

Each of the five channel types has its own characteristics. All of the channel types are subdivided by one or more of the following:

- Transmission specifications
- Bandwidth
- Speed (i.e., bit rate)
- Spectrum

The Customer can order a basic channel and select from a list of available transmission parameters, protocol combinations, and optional features to design a channel which meets the Customer's specific communications needs.

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.

(M)

* Telephone Company Centrex CO-like switches are considered to be Customer premises for purposes of this tariff.

(M) Material previously appearing on this page now appears on page 125.1.

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d/b/a CenturyLink
NORTH CAROLINA

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Cancels 1st Revised Page 125.1
EFFECTIVE: November 1, 2021

5. SPECIAL ACCESS SERVICE

5.1 GENERAL (Cont'd)

5.1.1 CHANNEL TYPES (Cont'd)

Following is a brief description of each type of channel:

Voice Grade ^[1] - A channel for the transmission of analog signals within an approximate bandwidth of 300-3000 Hz. (C)

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. (C)

High Capacity - A channel for the transmission of isochronous serial digital data at rates of 1.544 or 44.736 Mbps.

^[1] **Effective November 1, 2021, Voice Grade and Digital Data Services are grandfathered. Availability to current customers is limited to circuits in service at existing locations.** (N)
(N)

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CENTRAL TELEPHONE COMPANY
NORTH CAROLINA

Tariff NCUC No. 1
Fourth Revised Page 126
Cancels Third Revised Page 126
EFFECTIVE: April 26, 2002

5. SPECIAL ACCESS SERVICE

5.1 GENERAL (Cont'd)

5.1.2 RATE CATEGORIES

There are three (3) basic rate elements that apply to Special Access Service:

- Channel Termination (described in Section 5.1.2a. following)
- Channel Mileage (described in Section 5.1.2b. following)
- Optional Features and Functions (described in Section 5.1.2c. following)

a. Channel Termination

The Channel Termination rate category provides for the communications path between a customer designated premises and the serving wire center or WATS Serving Office of that premises. Included as part of the Channel Termination is a standard channel interface arrangement which defines the technical characteristics associated with the type of facilities to which the Access Service is to be connected at the Point of Termination (POT) and the type of signaling capability if any. The signaling capability itself is provided as a part of this rate category. One Channel Termination Charge applies per customer designated premises at which the channel is terminated. Channel Termination Charges for DS3 High Capacity Service may vary based on distance, as set forth in 5.5.10.c following. Special Access Service used in connection with Switched Access Service is provided as set forth in Section 4.2.

b. Channel Mileage

The Channel Mileage rate category provides for the end office equipment and the transmission channel between the serving wire centers associated with two customer designated premises, between a serving wire center associated with a customer designated premises and a Telephone Company hub, between two Telephone Company hubs or between a WATS Serving Office and a customer serving wire center when the two are not collocated. Channel Mileage rates are made up of the Channel Mileage Facility rate and the Channel Mileage Termination rate. Channel Mileage Charges are set forth in Section 5.5 following.

(1) Channel Mileage Facility (Per Mile)

(T)

The Channel Mileage Facility rate recovers the cost for the transmission path which extends between the Telephone Company serving wire centers and/or hub(s) and includes primarily outside plant used to provide the facility.

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CENTRAL TELEPHONE COMPANY
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Tariff NCUC No. 1
3rd Revised Page 127
Cancels 2nd Revised Page 127
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5. SPECIAL ACCESS SERVICE

5.1 GENERAL (Cont'd)

5.1.2 RATE CATEGORIES (Cont'd)

b. Channel Mileage (Cont'd)

(2) Channel Mileage Termination (Fixed)

(T)

The Channel Mileage Termination rate recovers the cost for end office equipment associated with terminating the facility (i.e., basic circuit equipment and terminations at serving wire centers and Hubs). The Telephone Company applies a 50% billing percentage to the Channel Mileage Termination rate on jointly owned circuits, and applies 100% on wholly owned circuits. When the Channel Mileage Facility is zero (0) (i.e., collocated serving wire centers), neither the Channel Mileage Facility rate nor the Channel Mileage Termination rate will apply.

c. Optional Features and Functions

Optional Features and Functions may be added to a service to improve its quality or utility to meet the Customer's 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. Examples of Optional Features and Functions that are available include, but are not limited to, the following:

- Conditioning
- Automatic Protection Switching
- Bridging

The list of Optional Features and Functions is set forth in Section 5.5.1.

5.1.3 PROTOCOL COMBINATIONS

The protocol (i.e., interface) defines the technical characteristics associated with the type of signaling and type of facilities presented for connection to the Access Service at the Customer designated premises. The protocol specified for the Customer premises may be asymmetrical or symmetrical. However, only certain combinations are technically possible. Therefore, for purposes of this tariff, protocol is being described in terms of acceptable combinations.

When ordering Special Access Service, the Customer must specify the protocol combination that is desired for the service ordered. Only certain protocol combinations are considered to be standard and included in the charge for Channel Termination. These protocol combinations are set forth for each Channel type in Section 5.2. When the Customer requests a protocol combination which is not standard, an additional charge will be assessed on an individual case basis. Not all protocol combinations are available at all Telephone Company locations.

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NORTH CAROLINA

Tariff NCUC No. 1
Second Revised Page 128
Cancels First Revised Page 128
EFFECTIVE: March 1, 2001

5. SPECIAL ACCESS SERVICE

5.1 GENERAL (Cont'd)

5.1.4 SERVICE CONFIGURATIONS

There are two (2) types of service configurations over which Special Access Service is provided: two-point service and multipoint service.

a. Two-Point Service

A two-point service connects two (2) customer designated premises, either on a directly connected basis or through a hub where multiplexing functions are performed. All types of Special Access Service may be provided as two-point service.

b. Multipoint Service

A multipoint service connects three (3) or more customer-designated premises. Only certain types of Special Access Service may be provided as multipoint service. These are so designated in the descriptions for the appropriate channel. However, the provision of all Special Access Service is subject to local availability.

When ordering multipoint service, the customer may specify the desired bridging hub. National Exchange Carrier Association Tariff F.C.C. No. 4 identifies serving wire centers, hub locations and the type of bridging functions available.

(T)

5.1.5 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 are as set forth in Section 10 following.

5.1.6 CIRCUIT DESIGN LAYOUT

At the request of the customer, the Telephone Company will provide a Design Layout Report (DLR) setting forth the make-up of the facilities and services provided under Special Access to aid the customer in designing its overall service. The information in the DLR will be provided to the customer at no charge and updated whenever facilities provided to the customer are materially changed.

ACCESS SERVICE TARIFF

5. Special Access Service (Cont'd)

5.1 General (Cont'd)

5.1.7 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:

For Voice Grade Services (VG): loss, 3-tone slope, d.c. continuity and operational signaling, where technically appropriate. Where a four-wire voice transmission interface provides two-wire voice transmission, (i.e., there is a four-wire to two-wire conversion), balance (equal level echo path loss) will also be tested. Additionally, C-notched noise and C-message noise tests will be provided where technically appropriate, as well as frequency response, harmonic distortion, phase jitter, impulse noise and delay distortion for all analog facilities.

Test results will be made available to the Customer upon request.

All other Special Access Services will be tested to the performance parameters specified for the individual services.

5.1.8 Ordering Options and Conditions

The facilities provided under Special Access can be ordered by using a Facilities Access Order as specified in Section 9. Minimum period and cancellation charges associated with Special Access Service are also included in Section 8.

5.1.9 Alternate Use

Alternate use occurs when a Customer uses a service for different types of transmission at different times. The Customer may transfer from one type of operation to another at will. A Customer may use transmission services in any privately beneficial way but, where technical or engineering changes are required to effectuate an alternate use, charges set forth in Section 7 of this tariff may be applicable.

Alternate uses will be allowed provided that such use meets the technical protection parameters as set forth in Section 5.2.

Issued: May 31, 1988

Effective: July 1, 1988

L.B. Houck
Vice President – Operations
Central Telephone Company – North Carolina
120 4th Street, S.W.
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CENTRAL TELEPHONE COMPANY
NORTH CAROLINA

Tariff NCUC No. 1
Fifth Revised Page 130
Cancels Fourth Revised Page 130
EFFECTIVE: August 2, 2002

5. SPECIAL ACCESS SERVICE

5.2 TECHNICAL SERVICE DESCRIPTIONS FOR SPECIAL ACCESS SERVICE

This Section includes the technical service descriptions for each type of Analog and Digital Service provided, typical applications for which each type of service can be used, the Optional Features and Functions available with specific services, transmission performances and the standard protocol combinations with which service can be provided.

When ordering Special Access Service, the customer must select the type of channel desired from the three (3) categories of Special Access Service. These categories are:

(C)

Analog:

Voice Grade

(D)
(D)

Digital:

Digital Data
High Capacity

The Telephone Company will maintain existing transmission specifications on services installed prior to the effective date of this Tariff, except that existing services with performance specifications exceeding the standards listed in this provision will be maintained at the performance levels specified in this Tariff. All services installed after the effective date of this Tariff will conform to the transmission specification standards contained in this Tariff or in the following Technical References for each category of service:

Voice Grade TR-NWT-000335

(D)
(D)

Digital Data TR-NWT-000341
High Capacity GR-54 and GR-342

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5. SPECIAL ACCESS SERVICE

5.2 TECHNICAL SERVICE DESCRIPTIONS FOR SPECIAL ACCESS SERVICE (Cont'd)

5.2.1 ANALOG SERVICES

- a. Reserved For Future Use

(T)

(T)

(D)

(D)

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5. SPECIAL ACCESS SERVICE

5.2 TECHNICAL SERVICE DESCRIPTIONS FOR SPECIAL ACCESS SERVICE (Cont'd)

5.2.1 ANALOG SERVICES (Cont'd)

(T)

(T)

(D)

(D)

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2nd Revised Page 133 (T)
Cancels 1st Revised Page 133
EFFECTIVE: November 1, 2021

5. SPECIAL ACCESS SERVICE

5.2 TECHNICAL SERVICE DESCRIPTIONS FOR SPECIAL ACCESS SERVICE (Cont'd)

5.2.1 ANALOG SERVICES (Cont'd)

b. Voice Grade Service – **GRANDFATHERED** ^[1] (C)

(1) Description

A Voice Grade (VG) channel is a channel which provides voice frequency transmission capability in the nominal frequency range of 300 to 3000 Hz and may be terminated two-wire or four-wire.

^[1] **Effective November 1, 2021, Voice Grade Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.** (N)
(N)

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NORTH CAROLINA

Tariff NCUC No. 1
First Revised Page 134
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EFFECTIVE: October 22, 2001

5. SPECIAL ACCESS SERVICE

5.2 TECHNICAL SERVICE DESCRIPTIONS FOR SPECIAL ACCESS SERVICE (Cont'd)

5.2.1 ANALOG SERVICES (Cont'd)

b. Voice Grade Service (Cont'd)

(2) Transmission Specifications

- Attenuation Distortion
- C-Message Noise
- Echo Control
- Envelope Delay Distortion
- Frequency Shift
- Impulse Noise
- Intermodulation Distortion
- Phase Hits, Gain Hits, and Dropouts
- Phase Jitter
- Signal-to-C Message Noise
- Signal-to-C Notch Noise

The technical specifications for these parameters (except for dropouts, gain hits, and phase hits) are set forth in Technical Reference Publication TR-NWT-000335 and associated Addendum. The technical specifications for dropouts, phase hits, and gain hits are set forth in Technical Reference Publication MDP-326-584.

(T)

(T)

Increased performance specifications can be attained with the provision of the appropriate Optional Features and Functions under 5.5.1 following.

(T)

(T)

(3) Standard Protocol Combinations

A Voice Grade channel is available with the standard protocol combinations set forth below. Other protocols are available at rates determined on an individual case basis.

ACCESS SERVICE

5. Special Access Service (Cont'd)

5.2 Technical Service Descriptions for Special Access Service (Cont'd)

5.2.1 Analog Services (Cont'd)

(B) Voice Grade Service (Cont'd)

(3) Standard Protocol Combinations (Cont'd)

2NO2	-	2NO2	4DS9*	-	2LO2	4DS9*	-	2GS2
4NO2	-	2NO2	4LS2-X	-	2LO2	4GO2-X	-	2GS2
4AH5-B**	-	2NO2	2LO2	-	2LS2	4LS2	-	2LA2
4AH6-C**	-	2NO2	4DSO*	-	2LS2	4LS2	-	2LB2
4AH6-D**	-	2NO2	4DS6*	-	2LS2	4LS2	-	2LC2
4DSO*	-	2NO2	4L02-X	-	2LS2	4LS2	-	2LO3
4DS6*	-	2NO2	2GS2	-	2GO2	4SF2	-	2LA2
4DS9*	-	2NO2	4GS2	-	2GO2	4SF2	-	2LB2
4NO2	-	4NO2	4AH5-B**	-	2GO2	4SF2	-	2LC2
4AH5-B**	-	4NO2	4AH6-C**	-	2GO2	4SF2	-	2LO3
4AH6-C**	-	4NO2	4AH6-D**	-	2GO2	4AH5-B**	-	2LA2
4AH6-D**	-	4NO2	4DSO**	-	2GO2	4AH5-B**	-	2LB2
4DSO*	-	4NO2	4DS6*	-	2GO2	4AH5-B**	-	2LC2
4DS6*	-	4NO2	4DS9*	-	2GO2	4AH5-B**	-	2LO3
4DS9*	-	4NO2	4GS2-X	-	2GO2	4DSO*	-	2LA2
4NO2	-	2LO2	2GO2	-	2GS2	4DSO*	-	2LB2
4LS2	-	2LO2	4GO2	-	2GS2	4DSO*	-	2LC2
4AH5-B**	-	2LO2	4AH5-B**	-	2GS2	4DSO*	-	2LO3
4AH6-C**	-	2LO2	4AH6-C**	-	2GS2	4DS6*	-	2LA2
4AH6-D**	-	2LO2	4AH6-D**	-	2GS2	4DS6*	-	2LB2
4DSO*	-	2LO2	4DSO*	-	2GS2	4DS6	-	2LC2
4DS6*	-	2LO2	4DS6*	-	2GS2	4DS6	-	2LO3

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5. Special Access Service (Cont'd)

5.2 Technical Service Descriptions for Special Access Service (Cont'd)

5.2.1 Analog Services (Cont'd)

(B) Voice Grade Service (Cont'd)

(3) Standard Protocol Combinations (Cont'd)

4DS9*	-	2LA2	4LO2	-	2LS3	4DS6*	-	2LS2-M
4DS9*	-	2LB2	4LO2	-	2LS3-M	4DS6*	-	2LS3
4DS9*	-	2LC2	4SF2	-	2LS2	4DS6*	-	2LS3-M
4DS9*	-	2LO3	4SF2	-	2LS2-M	4DS9*	-	2LS2
4GS2	-	2GO3	4SF2	-	2LS3	4DS9*	-	2LS2-M
4SF2	-	2GO3	4SF2	-	2LS3-M	4DS9*	-	2LS3
4AH6-C**	-	2LA2	4AH5-B**	-	2LS2	4DS9*	-	2LS3-M
4AH6-C**	-	2LB2	4AH5-B**	-	2LS2-M	4LO2	-	4LS2
4AH6-C**	-	2LC2	4AH5-B**	-	2LS3	4SF2	-	4LS2
4AH6-C**	-	2LO3	4AH5-B**	-	2LS3-M	4DSO*	-	4LS2
4AH6-D**	-	2LA2	4AH6-C**	-	2LS2	4AH5-B**	-	4LS2
4AH6-D**	-	2LB2	4AH6-C**	-	2LS2-M	4AH6-C**	-	4LS2
4AH6-D**	-	2LC2	4AH6-C**	-	2LS3	4AH6-D**	-	4LS2
4AH6-D**	-	2LO3	4AH6-C**	-	2LS3-M	4DS6*	-	4LS2
4AH5-B**	-	2GO3	4AH6-D**	-	2LS2	4DS9*	-	4LS2
4AH6-C**	-	2GO3	4AH6-D**	-	2LS2-M	4LR2	-	2LR2
4AH6-D**	-	2GO3	4AH6-D**	-	2LS3	4SF2	-	2LR2
4DSO*	-	2GO3	4AH6-D**	-	2LS3-M	4DSO*	-	2LR2
4DS16*	-	2GO3	4DSO*	-	2LS2	4DS6*	-	2LR2
4DS9*	-	2GO3	4DSO*	-	2LS2-M	4DS9*	-	2LR2
4GS2-X	-	2GO3	4DSO*	-	2LS3	4AH5-B**	-	2LR2
4LO2	-	2LS2	4DSO*	-	2LS3-M			
4LO2	-	2LS2-M	4DS6*	-	2LS2			

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5. Special Access Service (Cont'd)

5.2 Technical Service Descriptions for Special Access Service (Cont'd)

5.2.1 Analog Services (Cont'd)

(B) Voice Grade Service (Cont'd)

(3) Standard Protocol Combinations (Cont'd)

4AH6-C** - 2LR2	4AH5-B** - 2AC2	4DS9* - 2GS3-C
4AH6-D** - 2LR2	4AH5-B** - 2AC2-R	4DS9* - 4GS2-C
4LR2 - 4LR2	4AH5-B** - 4AC2	4DS9* - 4GS2
4SF2 - 4LR2	4AH5-B** - 4AC2-5	4AH5-B** - 2GS3-C
4DSO* - 4LR2	4AH6-C** - 2AC2	4AH5-B** - 4GS2-C
4DS6* - 4LR2	4AH6-C** - 2AC2-5	4AH5-B** - 4GS2
4DS9* - 4LR2	4AH6-C** - 4AC2	4AH6-C** - 2GS3-C
4AH5-B** - 4LR2	4AH6-C** - 4AC2-5	4AH6-C** - 4GS2-C
4AH6-C** - 4LR2	4AH6-D** - 2AC2	4AH6-C** - 4GS2
4AH6-D** - 4LR2	4AH6-D** - 2AC2-5	4AH6-D** - 2GS2-C
4AB2 - 4AC2	4AH6-D** - 4AC2	4AH6-D** - 4GS2-C
4AB2 - 4AC2-R	4AH6-D** - 4AC2-5	4AH6-D** - 4GS2
4AB2 - 2AC2	4DSO* - 4SF2-LO	4SF2 - 2RV2-T
4AB2 - 2AC2-R	4DSO* - 4SF2-LS	4SF2 - 2RV3-T
4SF2 - 4AC2	4DS6* - 4SF2-LO	4DSO* - 25V2-T
4SF2 - 4AC2-R	4DS6* - 4SF2-LS	4DSO* - 2RV3-T
4SF2 - 2AC2	4DS9* - 4SF2-LO	4DS6* - 2RV2-T
4SF2 - 2AC2-R	4DS9* - 4SF2-LS	4DS6* - 2RV3-T
4DSO* - 2AC2	AGO2 - 2GS3-C	4DS9* - 2RV2-T
4DSO* - 2AC2-R	4GO2 - 4GS2-C	4DS9* - 2RV3-T
4DSO* - 4AC2	4GO2 - 4GS2	4AH5-B** - 2RV2-T
4DSO* - 4AC2-R	4SF2 - 2GS3-C	4AH5-B** - 2RV3-T
4DS6* - 2AC2	4SF2 - 4GS2-C	4AH6-C** - 2RV2-T
4DS16* - 2AC2-R	4SF2 - 4GS2	4AH6-C** - 2RV3-T
4DS6* - 4AC2	4DSO* - 2GS3-C	4AH6-D** - 2RV2-T
4DS6* - 4AC2-R	4DSO* - 4GS2-C	6EA2-E - 2RV2-T
4DS19* - 2AC2	4DSO* - 4GS2	6EA2-E - 2RV3-T
4DS19* - 2AC2-R	4DS6* - 2GS3-C	6EA2-M - 2RV2-T
4DS9* - 4AC2	4DS6* - 4GS2-C	6EA2-M - 2RV3-T
4DS9* - 4AC2-R	4DS6* - 4GS2	

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5. Special Access Service (Cont'd)

5.2 Technical Service Descriptions for Special Access Service (Cont'd)

5.2.1 Analog Services (Cont'd)

(B) Voice Grade Service (Cont'd)

(3) Standard Protocol Combinations (Cont'd)

8EB2-E	-	2RV2-T	8EB2-M	-	4EA2-E	4DSO*	-	6EA2-E
8EB2-E	-	2RV3-T	8EB2-M	-	6EB2-M	4DSO*	-	8EB2-M
8EB2-M	-	2RV2-T	8EB2-M	-	6EB2-E	4DSO*	-	8EB2-E
8EB2-M	-	2RV3-T	8EB2-M	-	6EA2-M	4DSO*	-	2CT3
6EA2-E	-	4EA2-M	8EB2-M	-	6EA2-E	4DSO*	-	4CT2
6EA2-E	-	4EA2-E	8EB2-M	-	8EB2-M	4DS6*	-	4EA2-M
6EA2-E	-	6EB2-M	8EB2-M	-	8EB2-E	4DS6*	-	4EA2-E
6EA2-E	-	6EB2-E	8EB2-M	-	8EB2-E	4DS6*	-	6EB2-M
6EA2-E	-	6EA2-M	8EB2-M	-	2CT3	4DS6*	-	6EB2-E
6EA2-E	-	6EA2-E	8EB2-M	-	4CT2	4DS6*	-	6EA2-M
6EA2-E	-	8EB2-M	8EC2	-	4EA2-M	4DS6*	-	6EA2-E
6EA2-E	-	8EB2-E	8EC2	-	4EA2-E	4DS6*	-	8EB2-M
6EA2-E	-	2CT3	8EC2	-	6EB2-M	4DS6*	-	8EB2-E
6EA2-E	-	4CT2	8EC2	-	6EB2-E	4DS6*	-	2CT3
6EA2-M	-	4EA2-M	8EC2	-	6EA2-M	4DS6*	-	4CT2
6EA2-M	-	4EA2-E	8EC2	-	6EA2-E	4DS9*	-	4EA2-M
6EA2-M	-	6EB2-M	8EC2	-	8EB2-M	4DS9*	-	4EA2-E
6EA2-M	-	6EB2-E	8EC2	-	8EB2-E	4DS9*	-	6EB2-M
6EA2-M	-	6EA2-M	8EC2	-	CT3	4DS9*	-	6EB2-E
6EA2-M	-	6EA2-E	8EC2	-	4CT2	4DS9*	-	6EA2-M
6EA2-M	-	8EB2-M	4SF2	-	4EA2-M	4DS9*	-	6EA2-E
6EA2-M	-	8EB2-E	4SF2	-	4EA2-E	4DS9*	-	8EB2-M
6EA2-M	-	2CT3	4SF2	-	6EB2-M	4DS9*	-	8EB2-E
6EA2-M	-	4CT2	4SF2	-	6EB2-E	4DS9*	-	2CT3
8EB2-E	-	4EA2-M	4SF2	-	6EA2-M	4DS9*	-	4CT2
8EB2-E	-	4EA2-E	4SF2	-	6EA2-E	4AH5-B**	-	4EA2-M
8EB2-E	-	6EB2-M	4SF2	-	8EB2-M	4AH5-B**	-	4EA2-E
8EB2-E	-	6EB2-E	4SF2	-	8EB2-E	4AH5-B**	-	6EB2-M
8EB2-E	-	6EA2-M	4SF2	-	2CT3	4AH5-B**	-	6EB2-E
8EB2-E	-	6EA2-E	4SF2	-	4CT2	4AH5-B**	-	6EA2-M
8EB2-E	-	8EB2-M	4DSO*	-	4EA2-M	4AH5-B**	-	6EA2-E
8EB2-E	-	8EB2-E	4DSO*	-	4EA2-E	4AH5-B**	-	8EB2-M
8EB2-E	-	2CT3	4DSO*	-	6EB2-M	4AH5-B**	-	8EB2-E
8EB2-E	-	4CT2	4DSO*	-	6EB2-E	4AH5-B**	-	2CT3
8EB2-M	-	4EA2-M	4DSO*	-	6EA2-M			

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5. Special Access Service (Cont'd)

5.2 Technical Service Descriptions for Special Access Service (Cont'd)

5.2.1 Analog Services (Cont'd)

(B) Voice Grade Service (Cont'd)

(3) Standard Protocol Combinations (Cont'd)

4AH5-B**	-	4CT2	4NO2	-	4NO2-S	4DS6*	-	4NO2-S
4AH6-C**	-	4EA2-M	4DB2	-	4DA2	4DS9*	-	4DA2
4AH6-C**	-	4EA2-E	4DB2	-	4DA2-S	4DS9*	-	4DA2-S
4AH6-C**	-	6EB2-M	4DB2	-	6DA2	4DS9*	-	6DA2
4AH6-C**	-	6EB2-E	4DB2	-	6DA2-S	4DS9*	-	6DA2-S
4AH6-C**	-	6EA2-M	4DB2	-	4NO2	4DS9*	-	4NO2-S
4AH6-C**	-	6EA2-E	4DB2	-	4NO2S	4AH5-B**	-	4DA2
4AH6-C**	-	8EB2-M	2DB2	-	2DA2	4AH5-B**	-	4DA2-S
4AH6-C**	-	8EB2-E	2DB2	-	2NO2	4AH5-B**	-	6DA2
4AH6-C**	-	2CT3	4DB2	-	2DA2	4AH5-B**	-	6DA2-S
4AH6-C**	-	4CT2	4DB2	-	2NO2	4AH5-B**	-	4NO2-S
4AH6-D**	-	4EA2-M	2NO2	-	2DA2	4AH6-C**	-	4DA2
4AH6-D**	-	4EA2-E	4NO2	-	2DA2	4AH6-C**	-	4DA2-S
4AH6-D**	-	6EB2-M	4NO2-S	-	2DA2	4AH6-C**	-	6DA2
4AH6-D**	-	6EA2-M	4DS6*	-	2DA2	4AH6-C**	-	ENO2-S
4AH6-D**	-	6EA2-E	4DS9*	-	2DA2	4AH6-D**	-	4DA2
4AH6-D**	-	8EB2-M	4AH5-B**	-	2DA2	4AH6-D**	-	4DA2-S
4AH6-D**	-	8EB2-E	4AH6-C**	-	2DA2	4AH6-D**	-	6DA2
4AH6-D**	-	2CT3	4AH6-D**	-	2DA2	4AH6-D**	-	6DA2-S
4AH6-D**	-	4CT2	4NO2-S	-	4DA2	4AH6-D**	-	4NO2-S
4DSO*	-	4SF2-EA	4NO2-S	-	4DA2-S	4DD3	-	4DE2
4DSO*	-	4SF2-GO	4NO2-S	-	6DA2	4DD3	-	2DE2
4DSO*	-	4SF2-LO	4NO2-S	-	6DA2-S	4NO2	-	4DE2
4DS16*	-	4SF2-EA	4NO2-S	-	4NO2	4NO2	-	2DE2
4DS6*	-	4SF2-GO	4NO2-S	-	4NO2-S	4DSO*	-	4DE2
4DS6*	-	4SF2-LO	4DSO*	-	4DA2	4DSO*	-	2DE2
4DS9*	-	4SF2-EA	4DSO*	-	4DA2-S	4DS6*	-	4DE2
4DS9*	-	4SF2-GO	4DSO**	-	6DA2	4DS6	-	2DE2
4DS9*	-	4SF2-LO	4DSO*	-	6DA2-S	4DS9*	-	4DE2
4NO2	-	4DA2	4DSO*	-	4NO2-S	4DS9*	-	2DE2
4NO2	-	4DA2-S	4DS6*	-	4DA2	4AH5-B**	-	4DE2
4NO2	-	6DA2	4DS6*	-	6DA2	4AH5-B**	-	2DE2
4NO2	-	6DA2-S	4DS6*	-	6DA2-S	4AH6-C**	-	4DE2

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5. Special Access Service (Cont'd)

5.2 Technical Service Descriptions for Special Access Service (Cont'd)

5.2.1 Analog Services (Cont'd)

(B) Voice Grade Service (Cont'd)

(3) Standard Protocol Combinations (Cont'd)

4AH6-C**	-	2DE2	4GO2	-	2GS2-M	4DS9*	-	8EC2
4AH6-D**	-	4DE2	4GO2-X	-	2GS2-M	4AH5-B**	-	8EC2
4AH6-D**	-	2DE2	4GO2-X	-	2GS2-M	4AH6-C**	-	8EC2
4DA2	-	4DA2	4SF2	-	2GS2	4AH6-D**	-	8EC2
4DA2	-	4DA2-S	4SF2	-	2GS3-M	6EA2-E	-	4DX2
6DA2	-	4DA2	4SF2	-	2GS2-M	6EA2-M	-	4DX2
6DA2	-	4DA2-S	4DSO*	-	2GS3-M	8EB2-E	-	4DX2
4DA2-S	-	4DA2	4DSO*	-	2GS2-M	8EB2-M	-	4DX2
4DA2-S	-	4DA2-S	4DS6*	-	2GS2-M	4SF2	-	4DX2
6DA2-S	-	4DA2	4DS6*	-	2GS3-M	4DSO*	-	4DX2
6DA2-S	-	4DA2-S	4DS9*	-	2GS2-M	4DS6*	-	4DX2
4DB2	-	4DA2	4DS9*	-	2GS2-M	4DS9*	-	4DX2
4DB2	-	4DA2-S	4AH5-B**	-	2GS2-M	4AH5-B**	-	4DX2
4DA2	-	6DA2	4AH5-B**	-	2GS2-M	4AH6-C**	-	4DX2
4DA2	-	6DA2-S	4AH6-C**	-	2GS2-M	4AH6-D**	-	4DX2
6DA2	-	6DA2	4AH6-D**	-	2GS3-M	4DSO*	-	4SF-EA
6DA2	-	6DA2-S	4GO2-X	-	2GS2	4DS6*	-	4SF-EA
4DA2-S	-	6DA2	4GO2-X	-	4GS2	4DS9*	-	4SF-EA
4DA2-S	-	6DA2-S	4GO2-X	-	2GS3-C	2TF2	-	2TF2
6DA2-S	-	6DA2	4GO2-X	-	4GS2-C	4DSO*	-	2TF2
6DA2-S	-	6DA2-S	4LO2-X	-	2LS2	4DS6*	-	2TF2
4DSO*	-	4NO2-S	4LO2-X	-	4LS2	4DS9*	-	2TF2
4DS16*	-	4NO2-S	4LO2-X	-	2LS2-M	4AH5-B**	-	2TF2
4DS9*	-	4NO2-S	4LO2-X	-	2LS3-M	4AH6-C**	-	2TF2
4AH5-B**	-	4NO2-S	6EA2-E	-	8EC2	4AH6-D**	-	2TF2
4AH6-C**	-	4NO2-S	6EA2-M	-	8EC2	4TF2	-	4TF2
4AH6-D**	-	4NO2-S	8EB2-E	-	8EC2	4DSO*	-	4TF2
4LS2-X	-	2LA2	8EB2-M	-	8EC2	4DS6*	-	4TF2
4LS2-X	-	2LB2	8EC2	-	8EC2	4DS9*	-	4TF2
4LS2-X	-	2LC2	4SF2	-	8EC2	4AH5-B**	-	4TF2
4LS2-X	-	2LO3	4DSO*	-	8EC2	4AH6-C**	-	4TF2
4GO2	-	2GS3-M	4DS6*	-	8EC2			

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ACCESS SERVICE TARIFF

CENTRAL TELEPHONE COMPANY
NORTH CAROLINA

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5. SPECIAL ACCESS SERVICE

5.2 TECHNICAL SERVICE DESCRIPTIONS FOR SPECIAL ACCESS SERVICE (Cont'd)

5.2.1 ANALOG SERVICES (Cont'd)

b. Voice Grade Service (Cont'd)

(3) Standard Protocol Combinations (Cont'd)

4AH6-D**	-	4TF2	6EX2-A	-	4LS2	6EX2-A	-	2GS2-M
			6EX2-A	-	2LR2	4DX2	-	8EC2
			6EX2-A	-	2GS3-C	4DX2-X	-	8EC2
			6EX2-A	-	4GS2-C	4DX2	-	2LS2
			6EX2-A	-	4GS2	6EA2-E	-	2LS2
			4RV2-O	-	2RV2-T	6EA2-M	-	2LS2
			4RV2-O	-	2RV3-T	8EB2-E	-	2LS2
			4DX2	-	2RV2-T	8EB2-M	-	2LS2
			4DX2	-	2RV3-T	4DX2	-	4DX2
			4DX2-X	-	2RV2-T	4DX2-X	-	4DX2
			4DX2-X	-	2RV3-T	2NO2	-	4NO2
			4DX2	-	4EA2-M	2LS2	-	2LA2
			4DX2	-	4EA2-E	2LS2	-	2LB2
			4DX2	-	6EB2-M	2LS2	-	2LC2
			4DX2	-	6EB2-E	2LS2	-	2LO3
			4DX2	-	6EA2-M	2LR2	-	2LR2
			4DX2	-	6EA2-E	2LR2	-	4LR2
			4DX2	-	83B2-M	2AC2	-	2AC2
			4DX2	-	83B2-E	2AC2	-	4AC2
			6EX2-B	-	2LO2	4AC2	-	2AC2
			6EX2-A	-	2LS2	4AC2	-	4AC2
			2LO3	-	2LS2	4AC2	-	4AC2
			6EX2-B	-	2GO2	4DX2-X	-	4EA2-M
			6EX2-A	-	2GS2	4DX2-X	-	4EA2-E
			6EX2-B	-	2LA2	4DX2-X	-	6EB2-M
			6EX2-B	-	2LB2	4DX2-X	-	6EB2-E
			6EX2-B	-	2LC2	4DX2-X	-	6EA2-M
			6EX2-B	-	2LO3	4DX2-X	-	6EA2-E
			6EX2-B	-	2GO3	4DX2-X	-	8EB2-M
			6EX2-A	-	2LS2-M	4DX2-X	-	8EB2-E
			6EX2-A	-	2LS3	4DX2-X	-	2CT3
			6EX2-A	-	2LS3-M	4DX2-X	-	4CT2
						6EX2-A	-	2GS3-M
								4EA2-E
								8EB2-E

(D)

(D)

ACCESS SERVICE

5. Special Access Service (Cont'd)

5.2 Technical Service Descriptions for Special Access Service (Cont'd)

5.2.1 Analog Services (Cont'd)

(B) Voice Grade Service (Cont'd)

(3) Standard Protocol Combinations (Cont'd)

4EA2-E	-	8EB2-M	4GS2-C	-	4GO2	2DA2	-	4DA2
4EA2-E	-	2CT3	2CT3	-	4EA2-E	2DA2	-	6DA2
4EA2-E	-	4CT2	2CT3	-	4EA2-M	2DA2	-	2NO2
4EA2-M	-	4EA2-E	2CT3	-	6EA2-E	2DA2	-	4NO2
4EA2-M	-	4EA2-M	2CT3	-	6EA2-M	2DA2	-	4DA2-S
4EA2-M	-	6EA2-E	2CT3	-	6EB2-E	2DA2	-	6DA2-S
4EA2-M	-	6EA2-M	2CT3	-	6EB2-M	2DA2	-	4NO2-S
4EA2-M	-	6EB2-E	2CT3	-	8EB2-E	4DA2	-	2DA2
4EA2-M	-	6EB2-M	2CT3	-	8EB2-M	4DA2	-	2NO2
4EA2-M	-	8EB2-E	2CT3	-	2CT3	4DA2	-	4NO2
4EA2-M	-	8EB2-M	2CT3	-	4CT2	4DA2	-	4NO2-S
4EA2-M	-	2CT3	4CT2	-	4EA2-E	6DA2	-	2DA2
4EA2-M	-	4CT2	4CT2	-	4EA2-M	6DA2	-	4NO2
6EB2-M	-	2CT3	4CT2	-	6EA2-E	6DA2	-	2NO2
6EB2-M	-	4CT2	4CT2	-	6EA2-M	6DA2	-	4NO2-S
6EB2-E	-	2CT3	4CT2	-	6EB2-E	4DA2-S	-	2DA2
6EB2-E	-	4CT2	4CT2	-	6EB2-M	4DA2-S	-	2NO2
2GS2	-	4GO2	4CT2	-	8EB2-E	4DA2-S	-	4NO2
2GS3-C	-	2GO2	4CT2	-	8EB2-M	4DA2-S	-	4NO2-S
2GS3-C	-	4GO2	4CT2	-	2CT3	6DA2-S	-	2DA2
4GS2	-	4GO2	4CT2	-	4CT2	6DA2-S	-	2NO2
4GS2-C	-	2GO2	2DA2	-	2DA2	6DA2-S	-	4NO2
						6DA2-S	-	4NO2-S

Issued: May 31, 1988

Effective: July 1, 1988

L.B. Houck
Vice President – Operations
Central Telephone Company – North Carolina
120 4th Street, S.W.
Hickory, North Carolina 28601

ACCESS SERVICE

5. Special Access Service (Cont'd)

5.2 Technical Service Descriptions for Special Access Service (Cont'd)

5.2.1 Analog Services (Cont'd)

(B) Voice Grade Service (Cont'd)

(3) Standard Protocol Combinations (Cont'd)

2NO2	-	4DA2
2NO2	-	6DA2
2NO2	-	2NO2
2NO2	-	4NO2
2NO2	-	4DA2-S
2NO2	-	6EA2-S
2NO2	-	4NO2-S
4NO2	-	2NO2
4NO2	-	4NO2
4NO2-S	-	2NO2

Issued: May 31, 1988

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L.B. Houck
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120 4th Street, S.W.
Hickory, North Carolina 28601

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CENTRAL TELEPHONE COMPANY
NORTH CAROLINA

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Second Revised Page 144
Cancels First Revised Page 144
EFFECTIVE: August 30, 2001

5. SPECIAL ACCESS SERVICE

5.2 TECHNICAL SERVICE DESCRIPTIONS FOR SPECIAL ACCESS SERVICE (Cont'd)

5.2.1 ANALOG SERVICES (Cont'd)

b. Voice Grade Service (Cont'd)

(4) Optional Features and Functions

(a) Central Office Bridging Capability

- Voice Bridging (two-wire or four-wire): provides for the parallel connection of one voice circuit to another without interrupting the integrity or continuity of the first.
- Data Bridging (two-wire or four-wire): provides for the parallel connection of one data circuit to another without interrupting the integrity or continuity of the first.
- Telephoto Bridging (two-wire or four-wire): provides for the parallel connection of one Telephoto circuit to another without interrupting the integrity or continuity of the first.

(b) Conditioning

Conditioning provides more specific transmission characteristics for data or telephoto services. C-Type conditioning controls attenuation distortion and envelope delay distortion; DA-Type conditioning controls the Signal to C-Notched Noise Ratio and intermodulation distortion. Telephone conditioning controls attenuation distortion and envelope delay distortion.

(C)

Conditioning is charged for on a channel termination basis. C-Type and DA-Type conditioning may be combined on the same service.

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5. SPECIAL ACCESS SERVICE

5.2 TECHNICAL SERVICE DESCRIPTIONS FOR SPECIAL ACCESS SERVICE (Cont'd)

5.2.1 ANALOG SERVICES (Cont'd)

b. Voice Grade Service (Cont'd)

(4) Optional Features and Functions (Cont'd)

(c) 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 of C-Type Conditioning are:

Attenuation Distortion
(Frequency Response)
Relative 1004 Hz

<u>Frequency</u> <u>Range (Hz)</u>	<u>Variation</u> <u>dB)</u>
504-2804	-0.5 + 2.5
304-3004	-1.5 + 5.5

Envelope Delay Distortion

<u>Frequency</u> <u>Range (Hz)</u>	<u>Variation</u> <u>(micro- seconds)</u>
1004-2604	≤ 475
604-2604	≤ 1450
504-2804	≤ 2950

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5. SPECIAL ACCESS SERVICE

5.2 TECHNICAL SERVICE DESCRIPTIONS FOR SPECIAL ACCESS SERVICE (Cont'd)

5.2.1 ANALOG SERVICES (Cont'd)

b. Voice Grade Service (Cont'd)

(4) Optional Features and Functions (Cont'd)

(d) DA - Type Conditioning

DA-Type Conditioning is provided for the control of Signal to C-Notched Noise Ratio and intermodulation distortion. DA-Type conditioning is available for two-point services or multipoint services.

The Signal to C-Notched Noise Ratio and intermodulation distortion parameters for DA-type conditioning are:

- Signal to C-Notched Noise Ratio is equal to or greater than 32 dB.
- Intermodulation distortion
- Signal to second order modulation products (R2) is equal to or greater than 38 dB.
- Signal to third order modulation products (R3) is equal to or greater than 42 dB.

When a service equipped with DA-Type conditioning is used for voice communications, the quality of the voice transmission may not be satisfactory.

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5. SPECIAL ACCESS SERVICE

5.2 TECHNICAL SERVICE DESCRIPTIONS FOR SPECIAL ACCESS SERVICE (Cont'd)

5.2.1 ANALOG SERVICES (Cont'd)

b. Voice Grade Service (Cont'd)

(4) Optional Features and Functions (Cont'd)

(e) Telephoto Conditioning

Telephoto Conditioning 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 Conditioning are:

Attenuation Distortion
(1004 Hz Reference)

<u>Frequency Range (Hz)</u>	<u>Variation (dB)</u>
500-3000	-0.5 + 1.5
300-3200	-1.0 + 2.5

Envelope Delay Distortion

<u>Frequency Range (Hz)</u>	<u>Variation (micro- seconds)</u>
1000-2600	≤ 75
800-2800	≤ 130

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Cancels First Revised Page 148
EFFECTIVE: October 22, 2001

5. SPECIAL ACCESS SERVICE

5.2 TECHNICAL SERVICE DESCRIPTIONS FOR SPECIAL ACCESS SERVICE (Cont'd)

5.2.1 ANALOG SERVICES (Cont'd)

b. Voice Grade Service (Cont'd)

(4) Optional Features and Functions (Cont'd)

(f) Hybrid

Provides conversion from a four-wire channel to two-wire termination at a Customer premises. Required to meet effective four-wire performance with a two-wire Customer premises protocol combination.

(g) Improved Return Loss for Effective Four-Wire Transmission

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 Publication TR-NWT-000335. (T)

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 Point of Termination and two-wire at the other Point of Termination. Placement of Telephone Company equipment may be required at the Customer's premises with the two-wire Point of Termination. The Improved Return Loss parameters are delineated in Technical Reference Publication TR-NWT-000335. (T)
(T)

Additional features and functions are available as set forth in 5.5.1 following. (T)
(T)

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5. SPECIAL ACCESS SERVICE

5.2 TECHNICAL SERVICE DESCRIPTIONS FOR SPECIAL ACCESS SERVICE (Cont'd)

5.2.1 ANALOG SERVICES (Cont'd)

c. Reserved For Future Use (Cont'd)

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First Revised Page 150
Cancels Original Page 150
EFFECTIVE: August 2, 2002

5. SPECIAL ACCESS SERVICE

5.2 TECHNICAL SERVICE DESCRIPTIONS FOR SPECIAL ACCESS SERVICE (Cont'd)

5.2.1 ANALOG SERVICES (Cont'd)

c. Reserved For Future Use (Cont'd)

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NORTH CAROLINA

Tariff NCUC No. 1
Third Revised Page 151
Cancels Second Revised Page 151
EFFECTIVE: August 2, 2002

5. SPECIAL ACCESS SERVICE

5.2 TECHNICAL SERVICE DESCRIPTIONS FOR SPECIAL ACCESS SERVICE (Cont'd)

5.2.1 ANALOG SERVICES (Cont'd)

c. Reserved For Future Use

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d. Reserved For Future Use

(C)

(D)

(D)

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Second Revised Page 152
Cancels First Revised Page 152
EFFECTIVE: August 2, 2002

5. SPECIAL ACCESS SERVICE

5.2 TECHNICAL SERVICE DESCRIPTIONS FOR SPECIAL ACCESS SERVICE (Cont'd)

5.2.1 ANALOG SERVICES (Cont'd)

d. Reserved For Future Use (Cont'd)

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e. Reserved For Future Use

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CENTRAL TELEPHONE COMPANY
NORTH CAROLINA

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First Revised Page 153
Cancels Original Page 153
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5. SPECIAL ACCESS SERVICE

5.2 TECHNICAL SERVICE DESCRIPTIONS FOR SPECIAL ACCESS SERVICE (Cont'd)

5.2.1 ANALOG SERVICES (Cont'd)

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EFFECTIVE: November 9, 1999

5. SPECIAL ACCESS SERVICE

(T)

5.2 TECHNICAL SERVICE DESCRIPTIONS FOR SPECIAL ACCESS SERVICE (Cont'd)

5.2.1 ANALOG SERVICES (Cont'd)

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5.2.2 DIGITAL SERVICES

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a. Reserved For Future Use

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Cancels Original Page 155
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5. SPECIAL ACCESS SERVICE

5.2 TECHNICAL SERVICE DESCRIPTIONS FOR SPECIAL ACCESS SERVICE (Cont'd)

5.2.2 DIGITAL SERVICES (Cont'd)

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CENTRAL TELEPHONE COMPANY
d/b/a CenturyLink
NORTH CAROLINA

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4th Revised Page 156 (T)
Cancels 3rd Revised Page 156
EFFECTIVE: November 1, 2021

5. SPECIAL ACCESS SERVICE

5.2 TECHNICAL SERVICE DESCRIPTIONS FOR SPECIAL ACCESS SERVICE (Cont'd)

5.2.2 DIGITAL SERVICES (Cont'd)

b. Digital Data Service – **GRANDFATHERED** ^[1] (C)

(1) Description

A Digital Data (DA) channel is a channel for duplex four-wire transmission of 2.4, 4.8, 9.6, 19.2, 56 or 64.0 kbps. The actual bit rate is a function of the protocol combination selected by the Customer. The channel provides a synchronous service with timing provided through the Telephone Company's facilities to the Customer in the received bit stream. Digital Data channels are only available via Telephone Company designated digital hubs. All other locations are connectable through an analog off-network extension that is provided as a Voice Grade service as set forth in Section 5.2.1(B).

The Customer may provide in accordance with Part 68 of the FCC Rules and Regulations the Channel Service Unit-type equipment or other Network Channel Terminating Equipment associated with the Digital Data channel at the Customer premises.

^[1] **Effective November 1, 2021, Digital Data Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.** (N)
(N)

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CENTRAL TELEPHONE COMPANY
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First Revised Page 156.1
Cancels Original Page 156.1
EFFECTIVE: October 22, 2001

5. SPECIAL ACCESS SERVICE

5.2 TECHNICAL SERVICE DESCRIPTIONS FOR SPECIAL ACCESS SERVICE (Cont'd)

5.2.2 DIGITAL SERVICES (Cont'd)

b. Digital Data Service (Cont'd)

(2) Transmission Specifications

Parameter	Package DA-			
	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>
Error Free Seconds	X	X	X	X

While in service, the monthly average of the error-free seconds will be equal to or greater than 99.875 percent, if the channel is measured through a CSU equivalent that conforms to the specifications set forth in Technical Reference Publication MDP-326-726.

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Voltages that are compatible with Digital Data Service are set forth in Technical Reference Publication TR-NWT-000341.

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Cancels Third Revised Page 157
EFFECTIVE: July 17, 2000

5. SPECIAL ACCESS SERVICE

5.2 TECHNICAL SERVICE DESCRIPTIONS FOR SPECIAL ACCESS SERVICE (Cont'd)

5.2.2 DIGITAL SERVICES (Cont'd)

b. Digital Data Service (Cont'd)

(3) Standard Protocol Combinations

A Digital Data channel is available with the standard protocol combinations set forth below. Other protocols are available at rates determined on an individual case basis.

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(M)

4DS9-15 *	-	6DU5-24
6DU5-24	-	6DU5-24
4D05	-	6DU5-24
DATAPORT	-	DATAPORT
5DS9-15 *	-	6DU5-48
6DU5-48	-	6DU5-48
6DS9-15 *	-	6DU5-96
6DU5-96	-	6DU5-96
4DS9-15 *	-	6DU5-56
6DU5-56	-	6DU5-56
4DS9-15	-	4DU5-64
4DS9-15	-	6DU5-64

(N)
(N)

* Compatible only with a multiplexed 4-wire DSX protocol option at the customer's designated premises and where the customer provides subsequent system and channel assignment data.

(M1)

(M) Material now appearing on this page previously appeared on Second Revised Page 156.

(M1) Material previously appearing on this page now appears on Page 157.1.

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CENTRAL TELEPHONE COMPANY
NORTH CAROLINA

Tariff NCUC No. 1

Original Page 157.1
EFFECTIVE: July 17, 2000

5. SPECIAL ACCESS SERVICE

5.2 TECHNICAL SERVICE DESCRIPTIONS FOR SPECIAL ACCESS SERVICE (Cont'd)

5.2.2 DIGITAL SERVICES (Cont'd)

b. Digital Data Service (Cont'd)

(4) Optional Features and Functions

(a) Reserved For Future Use

(b) Central Office Bridging

Provides for the parallel connection of one (1) virtual circuit to another virtual circuit without interrupting the integrity or continuity of the first.

(c) Digital Data Amplification

Provides for data transmission when the customer is located beyond the normal range of 42 decibel (dB) loss for digital data service (56.0 and 64.0 kbps). The dB loss is determined by the route and length of the cable in addition to the gauge of the cable from the last signaling point (usually, but not always the switching office) to the customer's premise. When the dB loss is greater than 42, a repeater and associated equipment must be installed to regenerate the digital signal for accurate and acceptable data transmission to occur.

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(M) Material now appearing on this page previously appeared on Third Revised Page 157.

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NORTH CAROLINA

Tariff NCUC No. 1
Fourth Revised Page 158
Cancels Third Revised Page 158
EFFECTIVE: March 1, 2001

5. SPECIAL ACCESS SERVICE

5.2 TECHNICAL SERVICE DESCRIPTIONS FOR SPECIAL ACCESS SERVICE (Cont'd)

5.2.2 DIGITAL SERVICES (Cont'd)

b. Digital Data Service (Cont'd)

(4) Optional Features and Functions (Cont'd)

The following table shows the technical specification packages with which the optional Features and functions are available.

	Available with Technical Specifications Package DA-			
	1	2	3	4
Central Office Bridging Capability	X	X	X	X
Data Amplification				X

Additional features and functions are available as set forth in Section 5.5.1 following.

c. High Capacity Service

(1) Description

A High Capacity channel is a channel for the transmission of nominal 1.544 or 44.736 Mbps isochronous serial data. The actual bit rate is a function of the protocol combination selected by the customer. High Capacity services are provided between customer designated premises through serving wire centers or between a customer designated premises and a Telephone Company hub.

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The Channel Termination rate element for DS3 services may vary based on distance. The mileage used to determine the monthly rate for Channel Terminations located outside a Telephone Company Central Office is the airline distance between the customer's designated premises and the Telephone Company serving wire center. The mileage measurement is determined by utilizing exchange maps and mileage tables located in designated Telephone Company offices for such purposes.

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(M) Material now appearing on this page previously appeared on Fourth Revised 167.2.
(M1) Material previously appearing on this page now appears on Page 159.

ACCESS SERVICE TARIFF

CENTRAL TELEPHONE COMPANY
NORTH CAROLINA

Tariff NCUC No. 1
Fifth Revised Page 159
Cancels Fourth Revised Page 159
EFFECTIVE: October 22, 2001

5. SPECIAL ACCESS SERVICE

5.2 TECHNICAL SERVICE DESCRIPTIONS FOR SPECIAL ACCESS SERVICE (Cont'd)

5.2.2 DIGITAL SERVICES (Cont'd)

c. High Capacity Service (Cont'd)

(2) Transmission Specifications

- Error-Free Seconds

A channel with technical specifications package HC1 will be capable of an error-free second performance of 98.75% over a continuous twenty-four (24) hour period as measured at the 1.544 Mbps rate through a CSU equivalent that conforms to the specifications set forth in Technical Reference Publication GR-54.

(T)
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(T)

(3) Standard Protocol Combinations

High Capacity channel is available with the standard protocol combinations set forth below. Other protocols are available at rates determined on an individual case basis.

<u>Compatible Protocol Codes</u>		<u>Compatible Protocol Codes</u>	
4DS6-44	4DS6-44	4DS9-15	6DU8-B
4DS6-44	6DU8-A, B or C	4DS9-15	4DU8-B
4DS6-44	4DU8-A, B or C	4DS9-15J	6DU8-A
4DS6-15	4DS9-15+	4DS9-15J	4DU8-A
4DS9-15J	4DS9-15J	4DS9-15K	6DU8-B
4DS9-15K	4DS9-15K	4DS9-15K	4DU8-B
4DS9-15S	4DS9-15S	4DS9-15K	6DU8-C
		4DS9-15K	4DU8-C
		4DS9-15S	4DU9-S

+ Available also as a cross connect of two (2) individual channels of 1.544 Mbps facilities at a Telephone Company Hub.

(4) Optional Features and Functions

(a) Automatic Protection Switching

Provides protection to that portion of the access line that is not inherently protected against failure. Protection is provided through a switch that automatically reroutes the signal to a spare line when the working line fails.

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ACCESS SERVICE TARIFF

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NORTH CAROLINA

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3rd Revised Page 159.1 (T)
Cancels 2nd Revised Page 159.1
EFFECTIVE: November 1, 2021

5. SPECIAL ACCESS SERVICE

5.2 TECHNICAL SERVICE DESCRIPTIONS FOR SPECIAL ACCESS SERVICE (Cont'd)

5.2.2 DIGITAL SERVICES (Cont'd)

c. High Capacity Service (Cont'd)

(4) Optional Features and Functions (Cont'd)

(b) Central Office Multiplexing:

(1) DS3 to DS1

An arrangement that converts a 44.736 Mbps signal to twenty-eight (28) DS1 signals using digital time division multiplexing.

(2) DS1 to Voice ^[1]

(C)

Under this option the Telephone Company will provide a digital channel bank with twenty-four (24) channel plug-in mounting positions. The channel plug-in units will be provided by the Telephone Company when the Customer orders each individual service and specifies the channel position to be used and the plug-in unit specific interface code required. The multiplexing is accomplished using the time division multiplexing.

(3) DS1 to DS0 ^[1]

(C)

An arrangement that converts a 1.544 Mbps signal to twenty-four (24) channels utilizing digital time division multiplexing.

(c) Clear Channel Capability (CCC)

Clear Channel Capability (CCC) is an arrangement that alters a DS1/1.544 Mbps signal with unconstrained information bits to meet pulse density requirements outlined in GR-54 and GR-342. This will allow a customer to transport an all zero octet over a DS1/1.544 Mbps High Capacity channel providing an available combined maximum 1.536 Mbps data rate. This arrangement requires the customer signal at the channel interface to conform to Bipolar with 8 Zero Substitution (B8ZS) line code as described in GR-54 and GR-342.

^[1] **Effective November 1, 2021, Fractional DS1 (Sub-DS1) service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.**

(N)

(N)

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Original Page 159.1.1
EFFECTIVE: March 1, 2001

5. SPECIAL ACCESS SERVICE

5.2 TECHNICAL SERVICE DESCRIPTIONS FOR SPECIAL ACCESS SERVICE (Cont'd)

5.2.2 DIGITAL SERVICES (Cont'd)

c. High Capacity Service (Cont'd)

(4) Optional Features and Functions (Cont'd)

(c) Clear Channel Capability (CCC) (Cont'd)

CCC is provided on DS1/1.544 Mbps High Capacity channels between two (2) customer designated premises and is subject to the availability of facilities. This optional feature may be ordered at the same time the DS1/1.544 Mbps High Capacity channel is ordered, or it may be ordered as an additional feature of an existing channel.

The following table shows the technical specifications packages with which the optional features and functions are available.

	Available with Technical Specifications Package HC-		
	<u>0</u>	<u>1</u>	<u>3</u>
Automatic Protection Switching		X	
Central Office Multiplexing:			
DS3 to DS1			X
DS1 to Voice		X	
DS1 to DS0		X	
Clear Channel Capability		X	X

Additional features and functions are available as set forth in Section 5.5.1 following.

(M)

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(M) Material now appearing on this page previously appeared on Original Page 159.1.

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CENTRAL TELEPHONE COMPANY
NORTH CAROLINA

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Second Revised page 159.2
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EFFECTIVE: February 29, 2000

5. SPECIAL ACCESS SERVICE

5.2 TECHNICAL SERVICE DESCRIPTIONS FOR SPECIAL ACCESS SERVICE (Cont'd)

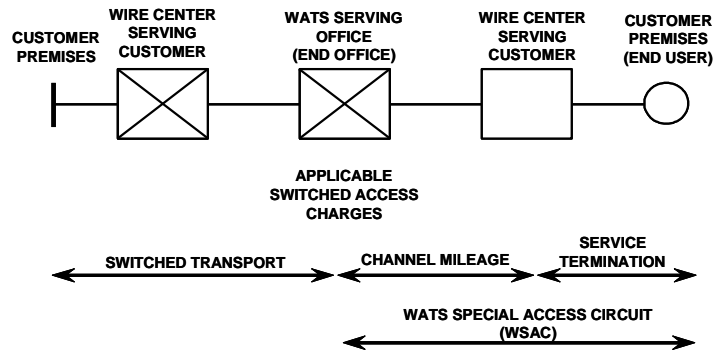
5.2.3 SPECIAL ACCESS SERVICE UTILIZED FOR CONNECTION WITH SWITCHED ACCESS SERVICE

A. Basic Service Description

A Special Access Service utilized for connection with a Switched Access Service implemented as a Voice Grade dedicated communications path between the customer's end user and a WATS Serving Office (WSO) equipped with Feature Groups A, B, C or D Service, together form the functional parts that are the major building blocks of the WATS* Service. Switched Access optional arrangements are available as set forth in Section 4.2.5 preceding. Both of these functional elements are necessary to provide service from the customer's end user to the customer's designated premises.

(T)

A WATS Special Access Circuit (WSAC) may be provided as an originating only, terminating only or two-way (originating and terminating) service, at the option of the customer. If a WSO is not capable of implementing a state-mandated restriction, the WSAC will be extended free of charge to the nearest WSO capable of performing the necessary function.



* Use of the terms "WATS" and/or "WATS like" is descriptive only and is not intended to restrict provision of a WSAC to a specific type of service.

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First Revised Page 159.3
Cancels Original Page 159.3
EFFECTIVE: July 29, 1998

5. SPECIAL ACCESS SERVICE

5.2 TECHNICAL SERVICE DESCRIPTIONS FOR SPECIAL ACCESS SERVICE (Cont'd)

5.2.3 SPECIAL ACCESS SERVICE UTILIZED FOR CONNECTION WITH SWITCHED ACCESS SERVICE (Cont'd)

b. WATS Special Access Circuit (WSAC)

A WATS Special Access Circuit (WSAC) is comprised of a Channel Termination between the customer's end user serving wire center and the customer's end user serving wire center and the customer's end user premises as specified in Section 5.1.2.a. preceding is applicable from the end user's serving wire center to the WSO.

The transmission path is offered as either effective two-wire, effective four-wire or a High Capacity Access connection. This service is provided with rotary dial or dual tone multi-frequency address signaling, and with either loop start or ground start signaling. Additionally, other optional features such as improved return loss can be provided.

c. Voice Grade Service Restrictions

When a WSAC, as described in b. preceding, is used for multi-jurisdictional access, and when the Telephone Company's Intrastate Tariff provides for customer billing for these facilities, the Telephone Company will exempt the customer from the Intrastate Charges related to the WSAC and Channel Mileage where applicable. All calls carried over a Special Access line used in conjunction with common switching optional features for multi-jurisdictional access will be passed to the customer for completion except when state restrictions apply or when the end user voluntarily uses a multiple Carrier Access Code (assuming 101XXXX dialing has not been restricted by the customer). (C)

When the WSAC is provisioned with Feature Group A, it can only be used for service in the terminating direction.

By order of the North Carolina Utilities Commission in Docket P-100, Sub 96, bi-jurisdictional WSACs were found to be in the public interest. All local, "1+" and "0" intrastate intraLATA traffic originated on a WSAC will be screened and automatically routed by the serving Local Exchange Carrier (LEC) which shall complete such traffic using its facilities or facilities of such other LECs as are necessary. This required option, as described in Section 4.2.5r.(8) preceding, will be provided by the Telephone Company at no charge. (D)

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NORTH CAROLINA

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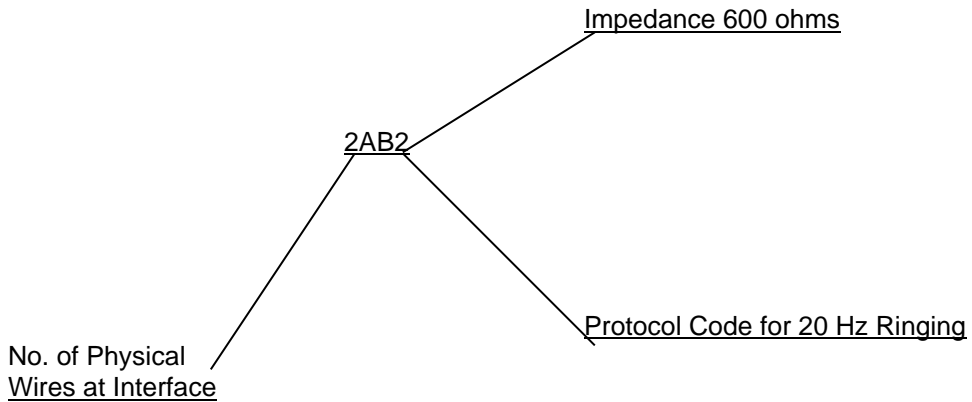
Original Page 159.4
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5. SPECIAL ACCESS SERVICE

5.3 PROTOCOL CODES

This Section explains the protocol codes that the customer must specify when ordering Special Access Service. Included is an example which explains the specific characters of the code, a glossary of protocol codes and impedance levels.

Example: If the customer specifies a 2AB2 protocol at the customer premises, it is requesting the following:



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(M) Material now appearing on this page previously appeared on Page 159.2.

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5.3 PROTOCOL CODES (Cont'd)

5.3.1 GLOSSARY OF PROTOCOL CODES AND OPTIONS

<u>Code</u>	<u>Option</u>	<u>Definition</u>
AB		Accepts and provides a nominal 20 Hz ringing signal at Customer designated premises.
AC		Accepts and provides 20 Hz ringing signal at Point of Termination.
AH	R	Two-Digit Code Select (10)
	B	Analog high capacity interface 60 to 108 kHz (12 channels)
	C	312 to 552 kHz (60 channels)
	D	564 kHz to 3084 (600 channels)
CT		CO Centrex tie trunk termination
DA		Data stream in VF frequency band at Point of Termination.
DB		Data stream in VF frequency band at Customer designated premises
DC		Direct current or voltage
	1	Monitoring interface with series RC combination (McCullough format)
	2	Telephone Company energized alarm channel
	3	Metallic facilities (DC continuity) for Direct Current/low frequency control signals or Slow Speed data (60 baud)

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5. SPECIAL ACCESS SERVICE

5.3 PROTOCOL CODES (Cont'd)

5.3.1 GLOSSARY OF PROTOCOL CODES AND OPTIONS (Cont'd)

<u>Code</u>	<u>Option</u>	<u>Definition</u>
DD		Dataphone Select-A-Station (and TABS) interface at Customer designated premises.
DE		Dataphone Select-A-Station (and TABS) interface at Point of Termination.
DO		Digital interface at Customer designated premises at the digital signal zero A (DS-0A).
DS6	44	44.736 Mb/s; DS-3; Robbed Bit
	44L	44.736 Mb/s; DS-3; Single Frequency
DS9	15	1.544 Mb/s; DS-1; Robbed Bit
	15L	1.544 Mb/s; DS-1; Single Frequency
	15K	1.544 Mb/s; DS-1; Extended Framing Format
	31	3.152 Mb/s; DS-1C; Robbed Bit
	31L	3.152 MB/s; DS-1C; Single Frequency
DU		Digital access interface at Point of Termination
	19	19.2 Kb/s
	24	2.4 kb/s
	28	4.8 Kb/s
	56	56.0 Kb/s
	64	64.0 kb/s
	96	9.6 Kb/s
	A	1.544 Mb/s format per PUB 41451
	B	1.544 Mb/s format per PUB 41451 plus D4
	C	1.544 Mb/s format per PUB 41451 plus extended framing format

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5. SPECIAL ACCESS SERVICE

5.3 PROTOCOL CODES (Cont'd)

5.3.1 GLOSSARY OF PROTOCOL CODES AND OPTIONS (Cont'd)

<u>Code</u>	<u>Option</u>	<u>Definition</u>
DX		Duplex signaling interface at customer designated premises
	X	Simplex reversal (4-wire)
EA		Type I, EM signaling at either Customer designated premises or Point of Termination
	E	Originated on E lead
	M	Originates on M lead
EB		Type II, EM signaling at either Customer designated premises or Point of Termination
	E	Originates on E lead
	M	Originates on M lead
EC		Type III, EM signaling at Customer designated premises; originates on M lead
EX		Back-to-back carrier arrangements with tandem signaling
	A	LEC has closed end
	B	LEC provides dial tone
GO		Ground-start loop signaling - open end
	X	Simplex reversal (4-wire)
GS		Ground-start loop signaling - closed end
	C	Centrex foreign exchange trunk termination
	M	CO answering service concentrator
	X	Simplex reversal (4-wire)
IA		E.I.A. (25 pin RS - 232)
LA		End-user loop start loop signaling - Type A registered port, open end
LB		End-user loop start loop signaling - Type B registered port, open end
LC		End-user loop start loop signaling - Type C registered port, open end
LO		Loop-start loop signaling - open end
	X	Simplex reversal (4-wire)
LR		20 Hz automatic ringdown interface at Customer designated premises with LEC provided PLAR
LS		Loop-start loop signaling - closed end
	M	CO answering service concentrator
	X	Simplex reversal (4-wire)
NO		No signaling interface, transmission only

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5. SPECIAL ACCESS SERVICE

5.3 PROTOCOL CODES (Cont'd)

5.3.1 GLOSSARY OF PROTOCOL CODES AND OPTIONS (Cont'd)

<u>Code</u>	<u>Option</u>	<u>Definition</u>
RV		Loop reverse battery supervision
	O	Battery supplied by LEC, Customer originates
	T	Battery supplied by Customer, Customer terminates
SF		Single-frequency signaling within VF band at either Customer designated premises.
	AB	SF to manual ring
	EA	SF to E&M signaling
	GO	SF to loop signaling, ground start, open-end
	GS	SF to loop signaling, ground start, closed end
	LO	SF to loop signaling, loop start, open end
	LS	SF to loop signaling, loop start, closed end
	LR	SF to automatic ring
TF		Telephotograph interface
TT		Teletypewriter interface at either Customer designated premises or Point of Termination.
	2	20.0 milliamperes
	3	3.0 milliamperes
	6	62.5 milliamperes

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5. SPECIAL ACCESS SERVICE (T)

5.3 PROTOCOL CODES (Cont'd) (T)

5.3.2 IMPEDANCE (T)

The nominal reference impedance with which the customer will terminate the channel for the purpose of evaluating transmission performance are: (T)

<u>Value (ohms)</u>	<u>Code(s)</u>
110	0
150	1
600	2
900	3
1200	4
135	5
75	6
124	7
Variable	8
100	9

5.3.3 DIGITAL HIERARCHY PROTOCOL CODES (4DSX) (T)

This protocol is compatible only with a multiplexed four-wire DSX-1 or higher interface option at the customer's designated premises and where the customer provides subsequent system and channel assignment data. (T)

The various digital bit rates in the digital hierarchy employ the protocol code 4DS9 or 4DS6 plus the speed options indicated below: (D)

<u>Protocol Code and Speed Option</u>	<u>Nominal Bit Rate (Mbps)</u>	<u>Digital Hierarchy Level</u>	(T)
4DS9-15	1.544	DS1	(D)
4DS6-44	44.736	DS3	(D)

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5. SPECIAL ACCESS SERVICE

5.4 RATE REGULATIONS

This Section contains the specific regulations governing the rates and charges that apply for Special Access Service.

5.4.1 TYPES OF RATES AND CHARGES

There are three (3) 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 flat recurring rates that apply each month or fraction thereof that a Special Access Service is provided. For billing purposes, each month is considered to have thirty (30) days.

b. Reserved for Future Use

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c. Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for specific work activity (i.e., installation or a change to an existing service). The Telephone Company does not apply nonrecurring charges to the Channel Mileage (fixed or per mile) rate elements. When service is jointly provided under the Single Bill Method of Multiple Company (Interconnection Point) Billing, the nonrecurring charges are applicable to all nonrecurring functions in the provision of Special Access Service. Under the Multiple Bill Method, the nonrecurring charges are applicable only when the nonrecurring function occurs within the Telephone Company's territory. The types of nonrecurring charges that apply for Special Access are: installation of service, installation of optional features and functions and service rearrangements.

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5. SPECIAL ACCESS SERVICE

5.4 RATE REGULATIONS

5.4.1 TYPES OF RATES AND CHARGES (Cont'd)

c. Nonrecurring Charges (Cont'd)

(1) Installation of Service

Nonrecurring charges apply to each service installed. The nonrecurring charges for the installation of service are set forth in Section 5.5 following as a nonrecurring charge for the Channel Termination rate element.

(2) Installation of Optional Features and Functions

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

The optional features and functions for which nonrecurring charges apply are set forth in Sections 5.5.1a. through 5.5.1c. following.

(3) Service Rearrangements

Service rearrangements are changes to existing (installed) services which do not result in either a change in the minimum period requirements as set forth in Section 8.2.5 following or a change in the physical location of the Point of Termination at a customer designated premises. Changes in the type of service or service termination are treated as disconnects and starts. Changes in the physical location of the Point of Termination are treated as moves and are described and charged for as set forth in Section 5.4.3 following.

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The nonrecurring charges associated with upgrades in capacity (i.e., multiple DS0s converting to DS1 or multiple DS1s converting to DS3s) will not apply when the customer maintains the same customer premises location. Requests to add or change optional features will be subject to the nonrecurring charges associated with the features requested.

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

Administrative changes will be made without charge(s) to the customer. Such changes require the continued provision and billing of the Access Service to the same entity (i.e., customer remains responsible for the Access Service). Administrative changes are as follows:

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5. SPECIAL ACCESS SERVICE

5.4 RATE REGULATIONS

5.4.1 TYPES OF RATES AND CHARGES (Cont'd)

c. Nonrecurring Charges (Cont'd)

(3) Service Rearrangements (Cont'd)

- Change of customer name (i.e., the customer of record does not change, but rather the customer of record changes its name--e.g., AT&T-Long Lines to AT&T Communications),
- Change of customer or customer's end user premises address when the change of address is not a result of a physical relocation of equipment,
- Change in billing date (name, address or contact name or telephone number),
- Change of agency authorization,
- Change of customer circuit identification,
- Change of billing account number,
- Change of customer test line number,
- Change of customer or customer's end user contact name or telephone number, and
- Change of jurisdiction.

All other service rearrangements will be charged for as follows:

- If the change involves the addition of another leg to an existing multipoint service, the nonrecurring charge for the Channel Termination rate element will apply. The charge will apply only for the leg that is being added.
- If the change involves changing the type of signaling on a Voice Grade Service, a charge equal to the Voice Grade Channel Termination rate element nonrecurring charge will apply. The charge will apply per Channel Termination affected.
- For all other changes, including the addition of optional features without separate nonrecurring charges, a charge equal to one-half (1/2) the Channel Termination rate element nonrecurring charge will apply. Only one (1) such charge will apply per service, per change.
- If the change involves connecting an existing service to a Multiplexed High Capacity Service, a charge equal to one-half (1/2) the Channel Termination rate element nonrecurring charge will apply for the existing service per service connected.

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5. SPECIAL ACCESS SERVICE

5.4 RATE REGULATIONS (Cont'd)

5.4.2 MINIMUM PERIODS

Special Access Service is provided for a minimum period of one (1) month. Minimum usage requirements are set forth in Section 9.

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5.4.3 MOVES

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

- The Point of Termination at the Customer's premises.
- The Customer's premises.

The charges for the move and the associated minimum period obligation are dependent on whether the move is to a new location within the same wire center area or to a different wire center area.

a. Moves to a Different Wire Center Area

When a Customer moves to a different wire center area, the move will be treated as a disconnect and a start of service and Facilities Access Order charges as set forth in Section 9 shall apply. A new minimum period will be established. The Customer will also remain responsible for fulfilling all outstanding minimum period obligations associated with the disconnected service.

b. Moves to a Different Building Within the Same Wire Center

When a Customer designated premise is moved to a new location in a different building in the same wire center area, the existing minimum period obligations will continue in effect.

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Cancels First Revised Page 166
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5. SPECIAL ACCESS SERVICE

5.4 RATE REGULATIONS (Cont'd)

5.4.3 MOVES (Cont'd)

c. Moves Within the Same Building

When a customer moves to a new location within the same building in the same wire center area, the existing minimum period obligations will continue in effect.

5.4.4 MILEAGE MEASUREMENT

The mileage to be used to determine the monthly rate for the Channel Mileage Facility rate element is calculated on the airline distance between the serving wire centers involved, i.e., the serving wire centers associated with two (2) customer designated premises, a serving wire center associated with a customer designated premises and a Telephone Company hub, or two (2) Telephone Company hubs or between the serving wire center associated with a customer designated premises and a WATS serving office. The serving wire center associated with a customer designated premises is the serving wire center from which the customer designated premises would normally obtain dial tone. The V&H Coordinates Method is used to determine mileage. This method is explained in the National Exchange Carrier Association Tariff F.C.C. No. 4. If the method results in fractional miles, the fractional miles are rounded up to the nearest whole number before determining the rate to be billed. The serving wire center and hub V&H coordinates are also included in that Tariff. When hubs are involved, mileage is computed and rates applied separately for each section of the Channel Mileage, i.e., customer designated premises serving wire center to hub, hub to hub and/or hub to customer designated premises serving wire center. However, when any service is routed through a hub for purposes other than customer specified bridging or multiplexing (e.g., the Telephone Company chooses to so route for test access purposes), rates will be applied only to the distance calculated between the serving wire centers associated with the customer designated premises.

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5.4.5 SHARED USE ANALOG AND DIGITAL HIGH CAPACITY SERVICES

Shared use occurs when Special Access Service and Switched Access Service are provided over the same Wideband Analog or High Capacity facilities through a common interface. The facility is ordered and rated as Special Access Service (i.e., Channel Termination, Channel Mileage, as appropriate, and Multiplexer) until such time as the customer chooses to use a portion of the available capacity for providing Switched Access Service. The nonrecurring charge that applies when the shared use facility is installed will be the nonrecurring charge associated with the appropriate Special Access High Capacity Channel Termination. Individual service (i.e., Switched or Special Access) nonrecurring charges will not apply to the individual channels of the shared use facility. Rating as Special Access will continue until such time as the customer chooses to use a portion of the available capacity for providing Switched Access Service.

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5. SPECIAL ACCESS SERVICE

5.4 RATE REGULATIONS (Cont'd)

5.4.5 SHARED USE ANALOG AND DIGITAL HIGH CAPACITY SERVICES (Cont'd)

As each individual channel is activated for Switched Access Service, the Special Access Channel Termination, Channel Mileage and Multiplexer rates will be reduced accordingly (e.g., 1/24th for a DS1 Service and 1/672 for DS3 Service, etc.). The rates for Switched Access Service set forth in Section 4 preceding apply to Switched Access Services provided over shared facilities. As each individual channel is activated for Switched Access Service, the Switched Transport Entrance Facility, Multiplexer and Direct-Trunked Transport rates will be charged accordingly (e.g., 1/24th for a DS1 Service and 1/672nd for DS3 Service). The customer must place an order for each individual Switched or Special Access Service utilizing the shared use facilities and specify the channel assignment for each such service. After the service date, Facilities Access Order Charges apply for a change in the Special Access Service or Switched Access Service configuration provided over shared facilities.

5.4.6 SPECIAL ACCESS SURCHARGE

The rates, rules and provisions for the Special Access Surcharge are set forth in the CenturyLink Operating Companies Access Service Tariff F.C.C. No. 9, Section 7.

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5.4.7 FACILITY HUBS

A customer has the option of ordering Voice Grade Service or High Capacity Services to a Facility Hub for channelizing to individual services requiring lower capacity (e.g., Voice, 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 Voice may occur at a different location. When placing an Access Order the customer will specify the desired Hub. Serving wire centers, Hub locations, and the type of Multiplexing functions available are identified in National Exchange Carrier Association Tariff F.C.C. No. 4.

Some of the types of Multiplexing available include the following:

- from higher to lower bit rate
- from digital to voice frequency channels

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 signal is Multiplexed to voice frequency channels, the transmission performance of the channelized services will be Voice Grade, not High Capacity.

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5. SPECIAL ACCESS SERVICE

5.4 RATE REGULATIONS (Cont'd)

5.4.7 FACILITY HUBS (Cont'd)

The Telephone 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. The customer will be billed for a Voice Grade or a High Capacity Channel Termination, Channel Mileage (when applicable) and the Multiplexer at the time the service is installed. Individual service rates (by service type) will apply for a Channel Termination and additional Channel Mileage (as required) for each channelized service. These will be billed to the customer as each individual service is installed.

Cascading Multiplexing occurs when a High Capacity Service is de-multiplexed to provide signals with a lesser capacity and one (1) of the lesser capacity signals is further de-multiplexed. For example, a DS3 High Capacity Service is de-multiplexed to twenty-eight (28) DS1 signals and then one (1) of the DS1 signals is further de-multiplexed to twenty-four (24) individual Voice Grade channels.

When Cascading Multiplexing is performed, whether in the same or a different Hub, a charge for the additional multiplexing unit also applies. When Cascading Multiplexing is performed at different Hubbing locations. Channel Mileage Charges also apply between the Hubs.

5.4.8 RESERVED FOR FUTURE USE

5.4.9 RESERVED FOR FUTURE USE

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5. SPECIAL ACCESS SERVICE

5.4 RATE REGULATIONS (Cont'd)

5.4.10 Reserved For Future Use

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5.4.11 SPECIAL ACCESS TERM DISCOUNT PLAN

a. General

The Special Access Term Discount Plan (TDP) applies to Special Access Digital Data (56.0 kbps) Service, Special Access High Capacity DS1 (1.544 Mbps) and DS3 (44.736 Mbps) Service, and DS3 to DS1 and DS1 to DS0 Multiplexing and Frame Relay Service. The TDP provides the customer with discounted rates for the services listed. The customer agrees to a minimum service commitment per service, when the TDP is established.

(M) Material previously appearing on this page now appears on Page 158.

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EFFECTIVE: August 8, 2000

5. SPECIAL ACCESS SERVICE

5.4 RATE REGULATIONS (Cont'd)

5.4.11 SPECIAL ACCESS TERM DISCOUNT PLAN (Cont'd)

a. General (Cont'd)

In order for a circuit to be eligible for TDP pricing, the customer must commit a Channel Termination, Frame Relay Access Channel Termination and/or Multiplexer associated with that circuit to a TDP. The commitment level for a circuit will be based on Channel Terminations, Frame Relay Access Channel Terminations, and/or Multiplexers. Customers may disconnect or move Channel Terminations, Frame Relay Access Channel Terminations, and/or Multiplexers and not be subject to Termination Liability charges as long as the commitment levels are maintained.

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Cancels First Revised Page 167.4
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5. SPECIAL ACCESS SERVICE

5.4 RATE REGULATIONS (Cont'd)

5.4.11 SPECIAL ACCESS TERM DISCOUNT PLAN (Cont'd)

b. Commitment Level

All eligible Special Access or Frame Relay Service rate elements for a given circuit (Channel Termination, Channel Mileage Termination (fixed), Channel Mileage Facility (per mile), Multiplexing, Frame Relay Access Channel Terminations and Frame Relay Port Connections) must be ordered for the same commitment period with the same service date for the same customer. A customer establishes a TDP by committing all or a portion of their in service Channel Terminations, Frame Relay Access Channel Terminations and/or Multiplexers, to a term of three years or five years. During the term of the selected TDP, the customer must maintain an in service commitment threshold of not less than 90 percent or more than 130 percent of the committed Channel Terminations, Frame Relay Access Channel Terminations and/or Multiplexers.

As long as a customer's actual in-service level of Channel Terminations, Frame Relay Access Channel Terminations and/or Multiplexers is at the commitment level, the customer will be billed the TDP rate for all eligible rate elements. Additionally, if a customer's in-service level exceeds the initial in-service level by no more than 30 percent, the customer will be billed the TDP rates for all eligible rate elements. For example, the customer has one hundred (100) DS1 Channel Terminations and commits to 90 percent for a three-year term. The customer will be billed TDP rates as long as the service level of the Channel Terminations is equal to 90, but not more than 130.

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(M) Material now appearing on this page previously appeared on Second Revised Page 167.2.
(M1) Material now appearing on this page previously appeared on First Revised Page 167.3.
(M2) Material previously appearing on this page now appears on Pages 167.5, 167.6 and 167.7.

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EFFECTIVE: December 15, 2002

5. SPECIAL ACCESS SERVICE

5.4 RATE REGULATIONS (Cont'd)

5.4.11 SPECIAL ACCESS TERM DISCOUNT PLAN (Cont'd)

b. Commitment Level (Cont'd)

If the customer's in-service request exceeds the initial service level by more than 30 percent, the customer will be billed the month-to-month rate for all facilities above the upper limit of the commitment level. If the customer's in-service level request falls below the commitment level, the customer will be billed termination liability charges for the number of Channel Terminations, Frame Relay Access Channel Terminations and/or Multiplexers below the minimum commitment threshold, and the customer's commitment level will be decreased to 110% of the customer's current in-service level. For example, a customer whose minimum commitment threshold is 135 Channel Terminations, Frame Relay Access Channel Termination and/or Multiplexers (90% of 150), but only has 125 in service, will be billed termination liability charges for 10 Channel Terminations, Frame Relay Access Channel Terminations and/or Multiplexers and the customer's commitment level will be decreased to 138 (110% of 125).**

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Although the commitment level is based on Channel Terminations, Frame Relay Access Channel Terminations and/or Multiplexer, the following rate elements will receive TDP rates:

- Channel Mileage Facility (per mile)
- Channel Mileage Termination (fixed)
- Multiplexing
- Channel Termination
- Frame Relay Access Channel Terminations
- Frame Relay Port Connections (UNI and NNI)

** Customers subscribing to special access term discount plans established or on order prior to December 6, 2002 may elect to discontinue service without incurring termination liability charges within 90 days of that date.

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EFFECTIVE: August 8, 2000

5. SPECIAL ACCESS SERVICE

5.4 RATE REGULATIONS (Cont'd)

5.4.11 SPECIAL ACCESS TERM DISCOUNT PLAN (Cont'd)

c. Ordering Provisions

The customer must order a TDP in writing to the Telephone Company. A TDP may be ordered based on the following plan options.

- Three Year Plan
- Five Year Plan

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The customer must specify the plan and the length of the service commitment period and commitment level. The customer agrees to a minimum service commitment per service in effect at one time. For example, a customer that has a three-year plan for DS1 Service may not establish a second three-year DS1 TDP until the current TDP expires. Once the plan is established and commitment levels are agreed upon, standard Access Ordering procedures will be followed.

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When a customer converts to a TDP, no Access Order Charges are applied toward facilities in service at that time. If a customer moves from a month-to-month plan to a TDP or upgrades from one TDP to another, no Access Order Charges are applied.

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5. SPECIAL ACCESS SERVICE

5.4 RATE REGULATIONS (Cont'd)

5.4.11 SPECIAL ACCESS TERM DISCOUNT PLAN (Cont'd)

d. Service Rearrangements

When a circuit, UNI or NNI port connection committed to a TDP is rearranged as set forth in 5.4.1c preceding, the nonrecurring rearrangement charge associated with the month-to-month rates for that service will apply. Changes in the type of service or service termination are treated as disconnects and starts, and the nonrecurring charge associated with the month-to-month rates for that service applies. Changes in physical location at the point of termination are treated as moves, as described in 5.4.3 preceding, and will be assessed the nonrecurring charge associated with the month-to-month rates for that service.

(N)

(N)

e. 90-Day Review Period

No adjustments in monthly billing for a TDP, for being above or below the commitment threshold described in 5.4.11b preceding, will take place until ninety (90) days after Telephone Company written notification to the customer that the commitment threshold has been exceeded or has not been met. This will ensure that customers will not be penalized for aberrations in Channel Termination, Frame Relay Access Channel Termination and/or Multiplexers counts caused by timing differentials in disconnection and installation

(M)

(C)

(C)

(C)

(C)

(M)

Customer's bills will not be adjusted for being outside the threshold described in 5.4.11b preceding during the 90-day review period. Additionally, customers will continue to be billed the adjustments (following the 90-day review period) for being outside the described threshold until the commitment level is met or reestablished. A new 90-day review period will be initiated if the customer's actual in-service level subsequently falls outside the described threshold.

(C)

(M1)

(T)

(C)

(T)

(M1)

(M) Material now appearing on this page previously appeared on First Revised Page 167.3.
(M1) Material now appearing on this page previously appeared on First Revised Page 167.4.

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CENTRAL TELEPHONE COMPANY
NORTH CAROLINA

Tariff NCUC No. 1

Original Page 167.8
EFFECTIVE: June 20, 2000

5. SPECIAL ACCESS SERVICE

5.4 RATE REGULATIONS (Cont'd)

5.4.11 SPECIAL ACCESS TERM DISCOUNT PLAN (Cont'd)

- f. Increasing the TDP Commitment Level (T) (M)

Customers may increase their commitment level at any time by notifying the Telephone Company in writing. An increase in the commitment level will not change the expiration date of the TDP.

When a commitment level is increased, the actual in-service Channel Termination, Frame Relay Access Channel Termination and/or Multiplexer level at the time of the increase will be used to calculate the new commitment threshold as described in Section 5.4.11b preceding. (C)
(C)
(T) (M)

Upon written notification to the Company, customers may elect to have all future Channel Terminations, Frame Relay Access Channel Terminations and/or Multiplexers installed during a commitment period automatically placed on the designated TDP. (N)

Customers may request, upon written notification to the Company, that the Company automatically increase the customer's TDP commitment level when the 130 percent commitment threshold, as set forth in 5.4.11b preceding, is exceeded. The adjusted commitment level will be the actual Channel Terminations, Frame Relay Access Channel Termination and/or Multiplexers in service under the TDP at the time the 130 percent threshold is exceeded. The expiration date of the customer's TDP will not be affected by this change.

The customer may rescind its request to automatically add future channel terminations and/or multiplexers, or to automatically increase its commitment level when the 130 percent threshold is exceeded, by notifying the Company in writing. (N)

(M) Material now appearing on this page previously appeared on First Revised Page 167.4.

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CENTRAL TELEPHONE COMPANY
NORTH CAROLINA

Tariff NCUC No. 1

Original Page 167.9
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5. SPECIAL ACCESS SERVICE

5.4 RATE REGULATIONS (Cont'd)

5.4.11 SPECIAL ACCESS TERM DISCOUNT PLAN (Cont'd)

- g. Decreasing the TDP Commitment Level and Termination Liabilities (T) (M)
 - Customers may only decrease their commitment level by paying Termination Liability Charges on the number of Channel Terminations, Frame Relay Access Channel Terminations and/or multiplexers by which the commitment level is decreased. Termination liabilities will apply to applicable services covered by the TDP. For example, a customer has a commitment level of 150 channel terminations and/or multiplexers. The customer then decreases its commitment level to 125. The customer must pay a termination liability on the most recently disconnected 25 facilities, inclusive of all associated rate elements as listed above. (C) (C)
 - If a customer disconnects any portion of their TDP service prior to the expiration of the commitment period, the customer will be billed 50 percent of the monthly TDP charges for the remaining portion of the committed term. For example, a customer disconnecting in the twelfth month of a three-year plan will be charged 50 percent of the remaining twenty-four months of billing. (C) (C)
- h. Rate Changes (T)
 - In this section, the term "rate" refers to the charges associated with the entire circuit covered by a TDP. Rate increases or decreases will automatically be applied to the monthly term plan rates for the remaining term of the TDP. If a Telephone Company initiated rate increase causes a customer's rates to increase by 10 percent or more at any one time, the customer may cancel the TDP without incurring termination liability Charges. (T) (C) (C) (M)

(M) Material now appearing on this page previously appeared on First Revised Page 167.4.

ACCESS SERVICE TARIFF

CENTRAL TELEPHONE COMPANY
NORTH CAROLINA

Tariff NCUC No. 1

Original Page 167.10
EFFECTIVE: June 20, 2000

5. SPECIAL ACCESS SERVICE

5.4 RATE REGULATIONS (Cont'd)

5.4.11 SPECIAL ACCESS TERM DISCOUNT PLAN (Cont'd)

- i. Extension of a TDP Commitment Period (T) (M)

TDP commitment periods can be extended by the customer at any time during the term of the plan, up to a maximum of five years. The number of months accrued in the current plan will apply toward the new plan selected. For example, a customer having completed fifteen (15) months of a three-year commitment can extend the commitment to five years and no additional charges will be assessed. The first payment will be considered the sixteenth payment under the new five-year plan. (C)
- j. Upgrading a TDP Service (T)

When a customer upgrades a Digital Data (56.0 kbps) Service being billed TDP rates to a DS1 Service, the Digital Data TDP commitment level will be reduced at the customer's request (up to a maximum of twenty-four (24) and no Termination Liability Charge will apply. If the same customer has a TDP for DS1 Service, the DS1 TDP commitment level will be increased if the customer requests that it be increased. When a customer upgrades a DS1 Service being billed TDP rates to a DS3 Service with the same termination points, the customer's DS1 TDP commitment level will be reduced at the customer's request (up to a maximum of twenty-eight (28)) and no Termination Liability Charge will apply. (T) (M)

(M) Material now appearing on this page previously appeared on Second Revised Page 167.5.

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CENTRAL TELEPHONE COMPANY
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Tariff NCUC No. 1

Original Page 167.11
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5. SPECIAL ACCESS SERVICE

5.4 RATE REGULATIONS (Cont'd)

5.4.11 SPECIAL ACCESS TERM DISCOUNT PLAN (Cont'd)

k. Renewal of a TDP

At the end of the TDP Service commitment period, the customer may subscribe to a new TDP at the prevailing rates set forth in 5.5.11 or Section 18.2.4 following. If the customer does not select a new TDP, the rates will convert to the prevailing month-to-month Digital Data (56.0 kbps), DS1 or DS3 rates set forth in 5.5.9 and 5.5.10 following or for Frame Relay Access Channel Terminations and Frame Relay Port Connections as set forth in Section 18.2.4 following. The customer will have a 90-day grace period to renew their TDP before month-to-month rates will be assessed.

(T) (M)
|
(T)
(T)
|
(M)

At any time during the term of a TDP the customer may replace an existing TDP with a new TDP for the same circuit at the prevailing rates set forth in 5.5.11 following. The new TDP must have a term equal to or greater than the existing TDP and no termination liability charge will apply.

(N)

l. Cancellation Charges

When a customer cancels an order for Special Access Services and Frame Relay Services being provided under a TDP, cancellation charges as set forth in Section 8.2.7 following, will be calculated using the nonrecurring charges associated with the month-to-month rates for the service being cancelled.

(N)

(M) Material now appearing on this page previously appeared on Second Revised Page 167.5.

ACCESS SERVICE TARIFF

CENTRAL TELEPHONE COMPANY
d/b/a CenturyLink
NORTH CAROLINA

Tariff NCUC No. 1
4th Revised Page 168 (T)
Cancels 3rd Revised Page 168
EFFECTIVE: November 1, 2021

5. SPECIAL ACCESS SERVICE

5.5 RATES AND CHARGES

5.5.1 OPTIONAL FEATURES AND FUNCTIONS

The following features and functions may be added to a service to meet the specific technical demands requested by the customer. The provision of all features and functions is subject to individual Telephone Company plant and equipment availability.

a. Multiplexing

- (1) DS3 to DS1 (Per Arrangement)

<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
\$697.30	\$100.00

- (2) DS1 to Voice*, DS1 to DS0 (Per Arrangement) ^[1]

<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
\$350.00	\$123.00

(C)

b. Bridges (Per Card)

- (1) Station Bridging

<u>Monthly Rate</u>
ICB

- (2) Data Bridging

<u>Monthly Rate – Per Port</u>
\$4.05

- (3) Voice Bridging

<u>Monthly Rate</u>
ICB

* A channel(s) of this DS1 to the Hub can be used for Digital Data Services.

^[1] **Effective November 1, 2021, Fractional DS1 (Sub-DS1) service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.**

(N)
(N)

ACCESS SERVICE

5. Special Access Service (Cont'd)

5.5 Rates and Charges (Cont'd)

5.5.1 Optional Features and Functions (Cont'd)

c. Miscellaneous

(1) C-Type Conditioning

Monthly Rate

\$1.35

(2) DA-Type Conditioning

Monthly Rate

\$1.35

(3) Telephoto Conditioning

Monthly Rate

ICB

(4) Gain Conditioning

Monthly Rate

ICB

(5) Stereo

Monthly Rate

ICB

(6) Hybrid

Monthly Rate

ICB

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Effective: July 1, 1988

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ACCESS SERVICE TARIFF

CENTRAL TELEPHONE COMPANY
NORTH CAROLINA

Tariff NCUC No. 1
Seventh Revised Page 170
Cancels Sixth Revised Page 170
EFFECTIVE: August 30, 2001

5. SPECIAL ACCESS SERVICE

5.5 RATES AND CHARGES (Cont'd)

5.5.1 OPTIONAL FEATURES AND FUNCTIONS (Cont'd)

c. Miscellaneous (Cont'd)

- (7) Improved Return Loss for
Effective Four-wire Transmission

Monthly Rate

ICB

- (8) Automatic Protection Switching

Monthly Rate

ICB

- (9) Other Protocol Combinations

Monthly Rate

ICB

- (10) Clear Channel Capability (CCC)

- Per Point of Termination

<u>Nonrecurring Charge#</u>	<u>Monthly Rate</u>
\$271.70	None

(T)

- (11) Data Amplification

<u>Nonrecurring Charge#</u>	<u>Monthly Rate</u>
\$100.00	\$85.00

A nonrecurring charge will apply when CCC is ordered for a DS1 circuit already in service.

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NORTH CAROLINA

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Cancels First Revised Page 171
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5. SPECIAL ACCESS SERVICE

5.5 RATES AND CHARGES (Cont'd)

5.5.2 RESERVED FOR FUTURE USE

(C)

(D)

(D)

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CENTRAL TELEPHONE COMPANY
NORTH CAROLINA

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Second Revised Page 172
Cancels First Revised Page 172
EFFECTIVE: November 9, 1999

5. SPECIAL ACCESS SERVICE

5.5 RATES AND CHARGES (Cont'd)

5.5.3 RESERVED FOR FUTURE USE

(C)

(D)

(D)

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CENTRAL TELEPHONE COMPANY
NORTH CAROLINA

Tariff NCUC No. 1
Sixth Revised Page 173
Cancels Fifth Revised Page 173
EFFECTIVE: September 29, 2008

5. SPECIAL ACCESS SERVICE

5.5 RATES AND CHARGES (Cont'd)

5.5.4 VOICE GRADE SERVICE

a. Channel Termination Rates

- Per Point of Termination

	<u>Monthly Rate*</u>
(1) Two-Wire	\$26.00 (I)
(2) Four-Wire	\$42.00 (I)

b. Channel Mileage Rates

	<u>Monthly Rates*</u>	
	<u>Termination (Fixed)</u>	<u>Facility (Per Mile)</u>
- Per Mile, Per Voice Grade Equivalent Circuit	\$50.00	\$0.80

* These rates are applicable to WATS services provided over voice grade facilities.

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First Revised Page 174
Cancels Original Page 174
EFFECTIVE: August 2, 2002

5. SPECIAL ACCESS SERVICE

5.5 RATES AND CHARGES (Cont'd)

5.5.5 Reserved For Future Use

(C)

(D)

(D)

ACCESS SERVICE TARIFF

CENTRAL TELEPHONE COMPANY
NORTH CAROLINA

Tariff NCUC No. 1
Fifth Revised Page 175
Cancels Fourth Revised Page 175
EFFECTIVE: August 2, 2002

5. SPECIAL ACCESS SERVICE

5.5 RATES AND CHARGES (Cont'd)

5.5.5 Reserved For Future Use (Cont'd)

(C)

(D)

(D)

ACCESS SERVICE TARIFF

CENTRAL TELEPHONE COMPANY
NORTH CAROLINA

Tariff NCUC No. 1
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Cancels Third Revised Page 176
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5. SPECIAL ACCESS SERVICE

5.5 RATES AND CHARGES (Cont'd)

5.5.6 RESERVED FOR FUTURE USE (Cont'd)

(C)

(D)

(D)

5.5.7 RESERVED FOR FUTURE USE

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CENTRAL TELEPHONE COMPANY
NORTH CAROLINA

Tariff NCUC No. 1
Twelfth Revised Page 177
Cancels Eleventh Revised Page 177
EFFECTIVE: September 29, 2008

5. SPECIAL ACCESS SERVICE

5.5 RATES AND CHARGES (Cont'd)

5.5.8 RESERVED FOR FUTURE USE

5.5.9 DIGITAL DATA SERVICE

a. Channel Termination Rates

- Per Point of Termination

	<u>Monthly Rate</u>	<u>Nonrecurring Installation Charge</u>	<u>Nonrecurring Rearrangement Charge</u>
56/64.0 kbps	\$87.00 (I)	\$130.00	\$65.00
4.8, 9.6, 19.2 kbps	\$51.00 (I)	\$130.00	\$65.00

b. Channel Mileage Rates

	<u>Monthly Rates</u>	
	<u>Termination (Fixed)</u>	<u>Facility (Per Mile)</u>
56/64.0 kbps	\$42.00	\$2.50
4.8, 9.6, 19.2 kbps	\$26.10	\$1.55

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CENTRAL TELEPHONE COMPANY
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Ninth Revised Page 178
Cancels Eighth Revised Page 178
EFFECTIVE: September 29, 2008

5. SPECIAL ACCESS SERVICE

5.5 RATES AND CHARGES (Cont'd)

5.5.10 HIGH CAPACITY SERVICE

a. Channel Termination Rates - 1.544 Mbps

- Per Point of Termination

<u>Monthly Rate</u>	<u>Nonrecurring Installation Charge</u>	<u>Nonrecurring Rearrangement Charge</u>
\$171.00 (I)	\$203.00	\$102.00

b. Channel Mileage Rates - 1.544 Mbps

<u>Monthly Rates</u>	
<u>Termination (Fixed)</u>	<u>Facility (Per Mile)</u>
\$70.00	\$16.00

c. Channel Termination Rates - 44.736 Mbps

- Per Point of Termination

<u>Monthly Rates</u>			<u>Nonrecurring Installation Charge</u>	<u>Nonrecurring Rearrangement Charge</u>
<u>Within CO</u>	<u>0 - 3 Miles</u>	<u>Over 3 Miles</u>		
\$1,390.00	\$1,650.00	\$2,900.00	\$295.00	\$147.00

d. Channel Mileage Rates - 44.736 Mbps

<u>Monthly Rates</u>	
<u>Termination (Fixed)</u>	<u>Facility (Per Mile)</u>
\$690.00	\$140.00

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Fifth Revised Page 178.1
Cancels Fourth Revised Page 178.1
EFFECTIVE: September 29, 2008

5. SPECIAL ACCESS SERVICE

5.5 RATES AND CHARGES (Cont'd)

5.5.11 SPECIAL ACCESS TERM DISCOUNT PLAN

a. Channel Termination Rates - 1.544 Mbps

(Z)

- Per Point of Termination

	<u>Monthly Rate</u>	<u>Nonrecurring Installation Charge</u>
Three Year Plan	\$138.00 (I)	\$0.00
Five Year Plan	\$117.00 (I)	\$0.00

b. Channel Mileage Rates - 1.544 Mbps

	<u>Monthly Rates</u>	
	<u>Termination (Fixed)</u>	<u>Facility (Per Mile)</u>
Three Year Plan	\$60.00	\$12.80
Five Year Plan	\$53.00	\$11.20

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Second Revised Page 178.2
Cancels First Revised Page 178.2
EFFECTIVE: June 24, 2002

5. SPECIAL ACCESS SERVICE

5.5 RATES AND CHARGES (Cont'd)

5.5.11 SPECIAL ACCESS TERM DISCOUNT PLAN (Cont'd)

c. Channel Termination Rates – 44.736 Mbps

- Per Point of Termination

	Monthly Rates			Nonrecurring Installation Charge	
	Within CO	0-3 Miles	Over 3 Miles		
Three Year Plan	\$1,112.00	\$1,400.00	\$2,320.00	\$0.00	(l)
Five Year Plan	973.00	1,211.50	2,030.00	0.00	(l)

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CENTRAL TELEPHONE COMPANY
NORTH CAROLINA

Tariff NCUC No. 1
Sixth Revised Page 178.3
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EFFECTIVE: September 29, 2008

5. SPECIAL ACCESS SERVICE

5.5 RATES AND CHARGES (Cont'd)

5.5.11 SPECIAL ACCESS TERM DISCOUNT PLAN (Cont'd)

d. Channel Mileage Rates - 44.736 Mbps

	<u>Monthly Rates</u>	
	<u>Termination (Fixed)</u>	<u>Facility (Per Mile)</u>
Three Year Plan	\$600.50	\$112.00
Five Year Plan	\$484.50	\$ 98.00

e. Channel Termination Rates - Digital Data (56.0 kbps)

- Per Point of Termination

	<u>Monthly Rate</u>	<u>Nonrecurring Installation Charge</u>
Three Year Plan	\$77.00 (I)	\$0.00
Five Year Plan	\$68.00 (I)	\$0.00

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5. SPECIAL ACCESS SERVICE

5.5 RATES AND CHARGES (Cont'd)

5.5.11 SPECIAL ACCESS TERM DISCOUNT PLAN (Cont'd)

f. Channel Mileage Rates – Digital Data (56.0 kbps)

	<u>Monthly Rates</u>		
	<u>Termination (Fixed)</u>	<u>Facility (Per Mile)</u>	
Three Year Plan	\$35.20	\$2.20	(l)
Five Year Plan	30.80	1.90	(l)

g. Multiplexing – DS3 to DS1

- Per Arrangement

	<u>Monthly Rate</u>	
Three Year Plan	\$558.00	(l)
Five Year Plan	489.00	(l)

ACCESS SERVICE TARIFF

CENTRAL TELEPHONE COMPANY
d/b/a CenturyLink
NORTH CAROLINA

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5. SPECIAL ACCESS SERVICE

5.5 RATES AND CHARGES (Cont'd)

5.5.11 SPECIAL ACCESS TERM DISCOUNT PLAN (Cont'd)

h. Multiplexing – DS1 to DS0 ^[1]

(C)

- Per Arrangement

	<u>Monthly Rate</u>
Three Year Plan	\$280.00
Five Year Plan	245.00

^[1] Effective November 1, 2021, Fractional DS1 (Sub-DS1) service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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CENTRAL TELEPHONE COMPANY
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Tariff NCUC No. 1

Original Contents Page 1
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6. SPECIALIZED SERVICE OR ARRANGEMENT

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6.2	<u>RATES AND CHARGES</u>	179	(M)(T)

(M) Material now appearing on this page previously appeared on Page 13.

ACCESS SERVICE

6. Specialized Service or Arrangements

6.1 General

Specialized service or arrangements will 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 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.

6.2 Rates and Charges

Rates and charges and additional regulations, if applicable, for specialized service or arrangements are provided on an individual case basis.

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ACCESS SERVICE TARIFF

CENTRAL TELEPHONE COMPANY
NORTH CAROLINA

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ACCESS SERVICE

7. Additional Engineering, Additional Labor and Miscellaneous Charges

In this Section 7, Basic Time refers to the period when services are performed by the Telephone Company on business days during regularly scheduled work hours. Overtime refers to the period when services are performed by the Telephone Company on business days but outside of regularly scheduled work hours. Premium time refers to the period when services are performed by the Telephone Company on non-business days, such as weekends and holidays.

7.1 Additional Engineering

(A) General

Additional Engineering will be provided by the Telephone Company at the request of the Customer only when:

A Customer requests additional technical information after the Telephone Company has already provided the technical information normally included on the Design Layout Report (DLR) as set forth in Sections 4.1.3 and 5.1.6.

Additional engineering time is incurred by the Telephone Company to engineer a Customer's request for a customized service (i.e., not conforming to the predefined technical specifications for services set forth in Sections 4 and 5).

The Telephone Company will notify the Customer that additional engineering charges as set forth in Section 7.1(B), will apply before any additional engineering is undertaken.

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ACCESS SERVICE

7. Additional Engineering, Additional Labor and Miscellaneous Charges (Cont'd)

7.1 Additional Engineering (Cont'd)

(B) Charges For Additional Engineering

The charges for Additional Engineering are as follows:

<u>Additional Engineering Periods</u>	<u>First Hour Hour or Fraction Thereof</u>	<u>Each Additional Half Hour or Fraction Thereof</u>
(1) Basic Time, per engineer	12.69	12.69
(2) Overtime, per engineer	19.04	19.04

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7. ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND MISCELLANEOUS CHARGES

7.2 ADDITIONAL LABOR

Additional Labor is that requested by the Customer on a given service as set forth in Sections 7.2.1 through 7.2.6. The Telephone Company will notify the Customer that Additional Labor charges as set forth in Section 7.2.7 will apply before any additional labor is undertaken.

7.2.1 OVERTIME INSTALLATION

Overtime installation is Telephone Company installation services performed on a business day but outside normally scheduled working hours.

(T)

7.2.2 OVERTIME REPAIR

Overtime repair is Telephone Company repair and maintenance services performed on a business day but outside of normally scheduled working hours.

(T)

7.2.3 ADDITIONAL INSTALLATION TESTING

Additional installation testing is that testing performed by the Telephone Company at the time of installation which is in addition to the normal preservice acceptance testing as specified in Section 8.2.8 to ensure the satisfactory performance of Access Service ordered by the Customer. In no event shall a charge be made for additional labor that is related solely with testing with other telephone companies.

7.2.4 STANDBY

Standby includes all time in excess of one-half (1/2) hour during which the Customer requests Telephone Company personnel to standby for any purpose.

7.2.5 TESTING AND MAINTENANCE WITH OTHER TELEPHONE COMPANIES

This includes additional testing, maintenance or repair of facilities which connect to facilities of other telephone companies which is in addition to the normal effort required to test, maintain or repair facilities provided solely by the Telephone Company.

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7. ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND MISCELLANEOUS CHARGES

7.2 ADDITIONAL LABOR (Cont'd)

7.2.5 OTHER LABOR

Other labor is that additional labor not included in Sections 7.2.1 through 7.2.5 and labor incurred to accommodate a specific Customer request that involves labor which is not covered by any other section of this tariff.

(C)

7.2.6 CHARGES FOR ADDITIONAL LABOR

Hourly charges are calculated from the time Telephone Company personnel are dispatched to the Customer's designated premises and end when the work is completed. The charges for Additional Labor are as follows:

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7. ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND MISCELLANEOUS CHARGES

7.2 ADDITIONAL LABOR (Cont'd)

7.2.7 CHARGES FOR ADDITIONAL LABOR (Cont'd)

<u>Additional Labor Periods</u>	(D)	<u>First Half Hour or Fraction Thereof</u>	<u>Each Add'l Half Hour or Fraction Thereof</u>
a. Basic Time, normally scheduled working hours, per technician		\$21.57	\$21.57
b. Overtime, outside or normally scheduled working hours, on a scheduled work day, per technician*		32.35	32.35
c. Premium time, outside of scheduled work day, per technician*	(D)	43.14	43.14

* Service by a Telephone Company employee at a time not consecutive with his scheduled work period is subject to a minimum charge of three hours.

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7. ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND MISCELLANEOUS CHARGES

7.3 MISCELLANEOUS CHARGES

7.3.1 MAINTENANCE OF SERVICE CHARGE

- a. When a Customer reports a trouble to the Telephone Company for clearance, the Customer shall be responsible for payment of a Maintenance of Service Charge where the Telephone Company dispatches personnel to a Customer premises and the trouble is in equipment or communications systems provided by other than the Telephone Company, or in detariffed CPE provided by the Telephone Company. No charge will apply where trouble is not found in the Telephone Company facilities if the trouble is actually in these facilities but not discovered at the time. The time period for which the Maintenance of Service Charge is applied will commence when Telephone Company personnel are dispatched to when the work is completed. The applicable charges are set forth below: (C)
- b. The charges for Maintenance of Service are applied on a per half hour, per technician basis at the rates specified for additional labor as set forth in 7.2.7 preceding. (T)

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7. ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND MISCELLANEOUS CHARGES

7.3 MISCELLANEOUS CHARGES (Cont'd)

7.3.2 TELECOMMUNICATIONS SERVICE PRIORITY (TSP) SYSTEM

- a. Regulations (C)
 - (1) The TSP System was developed to satisfy the requirements of the National Communications System (NCS) of the Federal government and provides the regulatory, administrative and operational procedures authorizing the priority installation and/or priority restoration of National Security Emergency Preparedness (NSEP) telecommunications services. The TSP System applies only to NSEP telecommunications services and authorizes the Telephone Company to take priority action in the provision and restoration of such services. (T)
(D)
(D)
 - (2) Priority installation and/or restoration of NSEP telecommunications services shall be provided in accordance with Part 64.401, Appendix A, of the Federal Communication Commission's (FCC's) Rules and Regulations, and in accordance with the guidelines set forth in "Telecommunications Service Priority (TSP) System for National Security Emergency Preparedness (NSEP) Service Vendor Handbook" (NCS) Handbook 3-1-2 dated July 11, 1989. (T)
(T)
(C)
(D)
(D)
 - (3) The customer requesting TSP Service must be the same customer for which the associated Access Service is provided. (T)
 - (4) Certain conditions may require that one or more customer services with a lower or no restoration priority be preempted in order to install or restore NSEP telecommunications service(s) of a higher priority. When such preemption is necessary, the Telephone Company will make reasonable effort to notify the preempted customer of the action to be taken. Credit allowances for such service preemption shall be made according to the provisions set forth in Section 2.4.3 preceding. (T)

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7. ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND MISCELLANEOUS CHARGES

7.3 MISCELLANEOUS CHARGES (Cont'd)

7.3.2 TELECOMMUNICATIONS SERVICE PRIORITY (TSP) SYSTEM (Cont'd)

a. Regulations

(5) In obtaining TSP, the customer authorizes the Telephone Company to provide certain customer record information to the Manager, NCS, of the Federal government so that the government can maintain and administer its TSP System. This customer record information will include only the customer's name, TSP Authorization Code, Telephone Company Circuit ID, customer telephone number and customer mailing address.

(6) In order to provide priority restoration service in compliance with Part 64.401, Appendix A, of the FCC's Rules and Regulations, the Telephone Company may be unable to notify the customer in advance where additional labor charges apply, as set forth in 7.2, before the required additional labor is undertaken. The customer, in obtaining a restoration priority, recognizes that quoting charges and obtaining permission to proceed with the restoration of certain access services will cause unnecessary delays and, as a result, would be contrary to the aforementioned Rules and Regulations.

In subscribing to TSP, the customer recognizes this condition and grants the Telephone Company the right to quote charges after the restoration has been completed.

(7) When an assigned restoration priority is discontinued or revoked, and the associated access service is continued in service, no charge applies for such discontinuance.

(C)

(T)

(T)

(D)

(D)

(C)

(C)

(D)

(D)

(N)

(N)

(D)

(D)

ACCESS SERVICE

7. ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND MISCELLANEOUS CHARGES

(N)

7.3 MISCELLANEOUS CHARGES (Cont'd)

7.3.2 TELECOMMUNICATIONS SERVICE PRIORITY (TSP) SYSTEM (Cont'd)

a. Regulations (Cont'd)

- (8) Credit allowance provisions for an interruption in priority restoration are the same as those for the access service with which it is associated, as set forth in 2.4.3 preceding.
- (9) When a customer requests that a priority installation be expedited (i.e., essential and emergency services), any applicable expedite charges will apply in addition to the priority installation charges set forth in 7.3.2b.(1) following.
- (10) In the event that the Telephone Company must utilize specially constructed facilities in the priority installation of an access service, the regulations, rates and charges set forth in Section 9, following for the service for which priority installation is required shall also apply.
- (11) The activities performed by the Telephone Company in the provision of TSP are included in the following rate elements:
 - (a) Priority Installation - includes provision of confirmation information to the Manager, NCS, of the Federal Government, verification of TSP code assignments, and installation preemption, if necessary.
 - (b) Priority Restoration Implementation - includes provision of confirmation information to the Manager, NCS, of the Federal Government and verification of TSP code assignment.
 - (c) Priority Restoration Change - includes provision of confirmation information and TSP code verification when a priority restoration level is changed on an associated access service.
 - (d) Priority Restoration Maintenance - includes TSP system administration and maintenance, reconciliation of TSP code levels, and restoration preemption, if necessary.

(N)

ACCESS SERVICE

7. ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND MISCELLANEOUS CHARGES

(N)

7.3 MISCELLANEOUS CHARGES (Cont'd)

7.3.2 TELECOMMUNICATIONS SERVICE PRIORITY (TSP) SYSTEM (Cont'd)

b. Rates and Charges

The following rates and charges are in addition to all other rates and charges applicable for other services furnished under the provisions of this tariff that operate in conjunction with the TSP System. This includes, but is not limited to Maintenance of Service as set forth in 7.3.1 preceding.

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
- Per circuit		
(1) Priority Installation*	None	\$87.00
(2) Priority Restoration Implementation*	None	47.00
(3) Priority Restoration Change*	None	47.00
(4) Priority Restoration Maintenance and Administration	\$21.50	None

(N)

* When an access service is ordered with both priority installation and priority restoration the associated nonrecurring charge for each applies.

(N)
(N)

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7. ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND MISCELLANEOUS CHARGES (T)

7.3 MISCELLANEOUS CHARGES (Cont'd) (T)

7.3.3 TESTING SERVICES (T)

The Telephone Company will perform such tests as are reasonably necessary (see Section 8.2.7 following) to ensure that Access Services ordered by a customer are functioning properly prior to turning over the Access Services to the customer. In addition, the Telephone Company, as part of the on-going work to maintain the continued satisfactory performance of the Access Services ordered by the customer, will perform on a routine basis such tests as are reasonably necessary to maintain that level of performance. End-to-end through tests which are technically feasible and tests which show trouble to be located solely within the equipment and facilities of the Telephone Company are within the scope of these tests and are performed by the Telephone Company at no additional charge. (T)

Testing Services covered in this Section are only those requested by the customer which are in addition to the tests described in the preceding paragraph and will be provided at the charges set forth in Section 7.3.3e. following. Testing Services are subject to the availability of test equipment and personnel at the Telephone Company test location. Testing Services are normally provided by the Telephone Company personnel at Telephone Company locations. However, provision is made in Section 7.3.3c. following for a customer to request Telephone Company personnel to perform Testing Services at the customer's premises. (T)

Testing Services covered in this Section which are to be conducted in coordination with the customer, will be subject to additional Stand-By Labor Charges as set forth in Section 7.2.7b. preceding. (T)

a. Switched Access Service (T)

In connection with Switched Access Service, the following Testing Services are available on an optional basis.

(1) Automatic Distribution of Telephone Company Test Results (T)

On a routine basis, the Telephone Company performs periodic tests, according to a schedule determined by the Telephone Company, of the Access Services ordered by the customer to maintain continued satisfactory performance. Based on the availability of compatible test equipment being present at the customer location, such In-Service Tests may be of the following types: (T)

- 102
- 104
- 105

(D)
|
(D)

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7. ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND MISCELLANEOUS CHARGES (T)

7.3 MISCELLANEOUS CHARGES (Cont'd) (T)

7.3.3 TESTING SERVICES (Cont'd) (T)

a. Switched Access Service (Cont'd) (T)

(1) Automatic Distribution of Telephone Company Test Results (Cont'd) (T)

At the request of the customer, the documented results of these tests will be made available at the charges set forth in Section 7.3.3e. following. (T)

(2) Testing in Accordance with a Customer Prescribed Schedule (T)

The Telephone Company will normally determine the schedule of tests to be performed and based on the availability of equipment, the types of testing to be performed on a routine basis. Where capacity is available, the Testing Services described above can be conducted in accordance with a customer prescribed schedule, which is agreed to by the Telephone Company. Orders for this service must be submitted to the Telephone Company sixty (60) days prior to the start of the customer prescribed schedule. (T)

Where Automated Testing capabilities are utilized to conduct In-Service Tests, the same tests conducted on a more frequent basis in accordance with a customer prescribed schedule will be subject to the rates and charges as set forth in Section 7.3.3e.(1)(b) following. Where In-Service Testing is performed on a manual basis, the same tests conducted on a more frequent basis in accordance with a customer prescribed schedule, will be subject to rates and charges as set forth in Section 7.3.3e.(3) following. (T)

(3) Office Test Line Access (T)

This Testing Service provides access to the Telephone Company test line terminations, where available and on a schedule agreed to by the Telephone Company, for the purpose of enabling the customer to perform testing of inward, outward and two-way transmission paths to the Telephone Company first switching point. (T)

(D)

(D)

ACCESS SERVICE

7. Additional Engineering, Additional Labor and Miscellaneous Charges (Cont'd)

7.3 Miscellaneous Charges (Cont'd)

7.3.3 Testing Services (Cont'd)

(B) Special Access Service

Subject to the availability of test equipment and personnel at the Telephone Company test location, the Telephone Company will provide assistance in performing specific tests requested by the Customer.

(C) Specialized Manual Testing (Switched or Special)

Manual testing consists of providing one or more Telephone Company technicians to perform specialized testing functions as directed by the Customer. Such testing functions may include the performance of testing at the Customer's premises.

(D) Obligations of the Customer

When the Customer subscribes to Testing Service, the Customer shall make the facilities to be tested available to the Telephone Company at times mutually agreed upon.

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Effective: July 1, 1988

L.B. Houck
Vice President – Operations
Central Telephone Company – North Carolina
120 4th Street, S.W.
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ACCESS SERVICE

7. Additional Engineering, Additional Labor and Miscellaneous Charges (Cont'd)

7.3 Miscellaneous Charges (Cont'd)

7.3.3 Testing Services (Cont'd)

(E) Rates and Charges

(1) Switched Access Testing Service

		<u>Monthly Rate</u>	<u>Nonrecurring Charges</u>
(a)	Provision of test results	ICB	ICB
(b)	Automated Testing per Customer prescribed scheduled, per request per occurrence* per transmission path, per trunk group	ICB	ICB

* An occurrence is completed when all available trunks included in the request are accessed for test purposes.

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7. Additional Engineering, Additional Labor and Miscellaneous Charges (Cont'd)

7.3 Miscellaneous Charges (Cont'd)

7.3.3 Testing Services (Cont'd)

(E) Rates and Charges (Cont'd)

(2) Special Access Testing Service

(a) <u>Basic Time, per technician</u>	
First Half Hour or Fraction Thereof	Each Additional Half Hour or Fraction Thereof
21.57	21.57
(b) <u>Overtime, per technician</u>	
First Half Hour or Fraction Thereof	Each Additional Half Hour or Fraction Thereof
32.35	32.35
(c) <u>Premium Time, per technician</u>	
First Half Hour or Fraction Thereof	Each Additional Half Hour or Fraction Thereof
43.14	43.14

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7. Additional Engineering, Additional Labor and Miscellaneous Charges (Cont'd)

7.3 Miscellaneous Charges (Cont'd)

7.3.3 Testing Services (Cont'd)

(E) Rates and Charges (Cont'd)

(3) Specialized Manual Testing

(a) <u>Basic Time, per technician</u>	Each Additional Half Hour or Fraction Thereof
First Half Hour or Fraction Thereof	Thereof
21.57	21.57
(b) <u>Overtime Time, per technician</u>	Each Additional Half Hour or Fraction Thereof
First Half Hour or Fraction Thereof	Thereof
32.35	32.35
(c) <u>Premium Time, per technician</u>	Each Additional Half Hour or Fraction Thereof
First Half Hour or Fraction Thereof	Thereof
43.14	43.14

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7. ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND MISCELLANEOUS CHARGES

7.3 MISCELLANEOUS CHARGES (Cont'd)

7.3.4 PRESUBSCRIPTION

- a. Presubscription is a procedure whereby an end user # may select and designate to the Telephone Company an Interexchange Carrier (IC) to access, without dialing a Carrier Access Code (CAC), for intraLATA and interLATA intrastate calls. The end user may select one (1) IC for both intraLATA and interLATA calls or they may select one (1) IC for their interLATA calls and a different IC or the Telephone Company for intraLATA calls. The selected IC is referred to as the end user's primary IC. The presubscription procedure also allows the agent* representing a pay telephone to select and designate to the Telephone Company an IC to access, without dialing a CAC for intrastate intraLATA and interLATA calls
- b. Presubscription of residence and business lines and/or trunks is furnished in accordance with the detailed provisions of the Federal Communications Commission's Allocation Plan. The Plan with all appendices is available for inspection at the main building of the Federal Communications Commission in the Public Reference Room of the Tariff Division. Copies may be obtained from the Federal Communications Commission's Commercial Contractor.

The same detailed provisions also apply to pay telephone presubscription for end offices converting to equal access.

(D)

(D)

For purposes of this Section, the term end user also includes Competitive Local Exchange Carriers (CLECs) that are certified to resell local exchange telecommunications services.

* An agent is the person or persons who have the legal authority to give the Telephone Company permission for the placement of pay telephones on their premises and who control access to or usage of the pay telephone.

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7. ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND MISCELLANEOUS CHARGES

7.3 MISCELLANEOUS CHARGES (Cont'd)

7.3.4 PRESUBSCRIPTION (Cont'd)

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7. ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND MISCELLANEOUS CHARGES

7.3 MISCELLANEOUS CHARGES (Cont'd)

7.3.4 PRESUBSCRIPTION (Cont'd)

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7.3 MISCELLANEOUS CHARGES (Cont'd)

7.3.4 PRESUBSCRIPTION (Cont'd)

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7. ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND MISCELLANEOUS CHARGES

7.3 MISCELLANEOUS CHARGES (Cont'd)

7.3.4 PRESUBSCRIPTION (Cont'd)

c. Presubscription Charge Application

- (1) New end users or agents who will be served by end offices equipped with equal access will be asked to select a primary IC for both intraLATA and interLATA calls, or select one (1) IC for their interLATA calls and a different IC or the Telephone Company for intraLATA calls at the time they place an order with the Telephone Company for Telephone Exchange Service. A confirming notice will be mailed to the new end user or agent when an IC is verbally chosen.

(D)
|
(D)

New end users or agents will be offered a list of participating Carriers to aid in their selection of a primary IC. There will be no charge for this initial selection.

After the end user's or agent's initial primary IC selection, for any change thereafter in selection for an intraLATA IC, interLATA IC or a change in both, a charge, as set forth in e. following, applies.

- (2) End users may designate that they do not want a primary IC. This choice is considered a valid selection and a Presubscription Charge will apply to any subsequent change. This "no primary IC" designation is not available to pay telephone agents.

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7.3 MISCELLANEOUS CHARGES (Cont'd)

7.3.4 PRESUBSCRIPTION (Cont'd)

c. Presubscription Charge Application (Cont'd) (T)

(D)

(3) Should an IC elect to discontinue Feature Group D Service in an end office converting to equal access prior to the conversion date or within two (2) years after the introduction of Feature Group D in the converted end office the IC shall contact in writing, all end users and agents who selected or were allocated to the canceling IC as their designated IC. Such written notification must advise these end users and agents of the IC cancellation, request that the end users or agents select a new IC and state that the canceling IC will pay the Change Charge. (T)

For a period of two (2) years following the ICs discontinuance of Feature Group D Service, the Telephone Company will bill the canceling IC the Change Charge for each end user agent that is currently designated to the IC at the time of discontinuance.

(T)

(4) The Telephone Company will make post conversion changes in the end user's or agent's PIC assignment pursuant to an IC provided list of customers, accepted by the Telephone Company under the conditions set forth preceding. Should an end user or agent dispute authorization of the change in PIC assignment, the Telephone Company will place the end user or agent on the previous carrier's network where possible and the carrier will be billed in accordance with 7.3.4d. (T)
(C)
(C)

d. Unauthorized PIC Carrier Restoration (N)

An Unauthorized PIC Carrier Restoration is a change in the preferred PIC assignment that the end user or agent denies authorizing. If an end user or agent denies requesting the change in PIC assignment as submitted by the IC, the alleged unauthorized IC will be assessed the PIC change charge as set forth in 7.3.4e. for the following:

- Changing the end user or agent to the disputed IC, and;
- Placing the end user or agent back on their previous IC's network.

(N)

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7. ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND MISCELLANEOUS CHARGES

7.3 MISCELLANEOUS CHARGES (Cont'd)

7.3.4 PRESUBSCRIPTION (Cont'd)

e. The nonrecurring charge for a change in presubscription is as follows: (T)

Per Line or Trunk		Nonrecurring <u>Charge*</u>
(1)	Primary InterLATA Carrier	\$6.02
(2)	Primary IntraLATA Carrier	6.02

(D)

(D)

* This change is billed to the end user which is the subscriber to the Telephone Exchange Service or the agent of the pay telephone, except as set forth in c.(3) and (4) preceding or in situations when such charges would be billed to an IC. (T)

(D)
(D)

(D)
(D)

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7. ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND MISCELLANEOUS CHARGES

7.3 MISCELLANEOUS CHARGES (Cont'd)

7.3.5 PROVISION OF ACCESS SERVICE BILLING INFORMATION (Z)

- 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 account 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 or standard 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 standard paper format. (D)

(D)
(D)

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7. ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND MISCELLANEOUS CHARGES

7.3 MISCELLANEOUS CHARGES (Cont'd)

7.3.5 PROVISION OF ACCESS SERVICE BILLING INFORMATION (Z)

- 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 standard paper format at the charges specified in 7.3.5.d., 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 (i.e., standard paper format). (D)

Additional copies of a customer's previous monthly access service bills will be provided via standard 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. The charges for providing additional copies of previous monthly access service bills will be developed by the Telephone Company on an individual case basis and filed in Section 7.3.6. (D)

(D)
(D)

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7.3 MISCELLANEOUS CHARGES (Cont'd)

7.3.5 PROVISION OF ACCESS SERVICE BILLING INFORMATION (Cont'd) (Z)

- 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. The rates and charges for the provision of Access Service Billing Information are as follows:

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
(1) Additional copies of the customer's monthly bill or service and features record per copy per account in standard paper format		
- Per copy per account in standard paper format	\$19.73	\$18.32

(D)
|
(D)

(D)
(D)

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7. ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND MISCELLANEOUS CHARGES

7.3 MISCELLANEOUS CHARGES (Cont'd)

7.3.6 Individual Case Filings

Rates and charges for miscellaneous services provided on an individual case basis are filed following:

(N)

(N)

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(D)

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8. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICES

8.1 GENERAL

This Section sets forth the regulations and order related charges of Facilities Access Orders for Switched and Special Access Services. These charges are in addition to other applicable charges as set forth in other Sections of this Tariff.

An Facilities Access Order is an order to provide the customer with Switched Access Service or Special Access Service or to provide changes to existing services.

(N)
(N)

8.1.1 ORDERING CONDITIONS

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

Orders for Feature Group A Switched Access Service must specify the number of lines required.

(C)

Orders for Feature Groups B, C and D Switched Access Service must specify the number of trunks desired. In addition, the order must indicate whether the Switched Transport ordered is for Entrance Facilities, Direct-Trunked Transport and/or Tandem-Switched Transport. For Direct-Trunked Transport, the order must specify the facility Hubs involved, channel type, channel interface and any options desired.

(C)
|
(C)

For Feature Group D with Common Channel Signaling (CCS7), in addition to the information specified in the preceding paragraph, the customer shall specify:

(N)

- a. A reference to existing signaling connections or reference to a related CCS7 Connection Order;
- b. CCS7 Local Switching options, if any;
- c. For CCS7 Trunks, Switch Point Codes and Location Identifier Codes, Circuit Identification Codes and Switch Type;
- d. For CCS7 Signaling Connection, specification of the level of diversity in its network; as defined in Technical Publication TR-TSV-000905 and related documentation;
- e. For CCS7 Links, STP Point Codes, Location Identifier Codes, Signaling Link Codes and Link Type.

(M)

Existing compatible FGD trunks will be converted to CCS7 at the customer's request. If new (i.e., compatible) FGD trunks are required, the Telephone Company will provide these trunks where available. If compatible FGD trunks are not available at the time requested by the customer, the Telephone Company will advise the customer of the availability from its planning cycle.

The customer shall work cooperatively with the Telephone Company to determine the number of Signaling Connections required to handle its signaling traffic. CCS7 is offered where the capability exists.

(N)

The Telephone Company will make available upon customer request a standard service interval table for Switched and Special Access Services. These tables and any associated relevant information will be made available to the customer within a reasonable time of request, whether the customer's service is subject to standard or negotiated intervals.

(M)

(M) Material previously appearing on this page now appears on Page 200.1.

ACCESS SERVICE TARIFF

CENTRAL TELEPHONE COMPANY
NORTH CAROLINA

Tariff NCUC No. 1
First Revised Page 200.1
Cancels Original Page 200.1
EFFECTIVE: October 22, 2001

8. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICES

8.1 GENERAL (Cont'd)

8.1.1 ORDERING CONDITIONS (Cont'd)

Special Access Service ordered for use with Switched Access Service may be ordered separately by a customer other than the customer that orders the FGA, FGB, FGC or FGD. For the Special Access Service, the customer shall specify the customer's premises at which the Special Access Service terminates, the type of line (i.e., two-wire or four-wire), the type of calling (i.e., originating or terminating) and the type of supervisory signaling. When the necessary screening, switching and/or recording functions are not provided at the customer serving wire center, a Special Access Line Extender, subject to charges as set forth in Section 5.5.7b. preceding, must be ordered between that wire center and the nearest wire center premises where the screening, switching and/or recording functions exist. (T)

The customer shall be required to supply all information necessary to provide service. This information includes customer name, address, telephone number, type of business entity, date of order, establishment of credit information, billing requirement information, contact person, date service to begin, specific location, quantity, type and description of service, election as to each service option under Tariff and special routing information.

For Toll Free Code (TFC) Base Query Service, the customer shall order in the same manner that is set forth preceding for ordering Feature Group D, except that customers must direct request connections to those access tandems equipped with TFC Data Base Query Service Switching Point (TFC SSP) functionality. TFC SSP locations are identified in the National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4. (T)

Additionally, when Interim 500 and 900 Access Service optional feature(s) is ordered, the initial order shall specify the NXX code(s) to be translated within the entire LATA or Market Service Area. The initial and subsequent orders to add, change or delete 500 or 900 access codes shall be placed separately or in combination with orders to change Feature Group C or D Switched Access trunks. Customer assigned NXX codes that have not been ordered will be blocked. (T)

For initiation, additions, changes or deletions to Interim 500 or 900 NXX or 500 or 900 Access Code(s), the customer must place an order with the Telephone Company who provides 500 or 900 Translation. The customer must also provide a copy of the order to the Telephone Companies subtending the 500 or 900 Access Translation office.

ACCESS SERVICE TARIFF

CENTRAL TELEPHONE COMPANY
NORTH CAROLINA

Tariff NCUC No. 1
Second Revised Page 201
Cancels First Revised Page 201
EFFECTIVE: June 12, 2001

8. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICES

8.1 GENERAL (Cont'd)

8.1.2 PROVISION OF OTHER SERVICES

- a. Testing Service, Additional Labor and Special Routing may be ordered with a Facilities Access Order as additional features for new facilities or as changes to existing services. The rates and charges for these services, as set forth in other Sections of this Tariff, will apply in addition to the ordering charges set forth in this Section and the rates and charges for the Access Service with which they are associated. (C)

- b. Customers may add items listed in 8.1.2a. preceding to a pending order at anytime subject to the conditions of 8.2.2 following. However, a change in the service date, to be negotiated between the customer and the Telephone Company, may be necessary to accommodate the request. When items listed in 8.1.2a. preceding are added to a pending order, charges for order modification as set forth in 8.2.2 following will apply. (T)
(T)

- c. Additional Engineering is not an ordering option, but will be applied to a Facilities 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 Section 7.1 preceding. 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 percent. (T)

The regulations, rates and charges for Additional Engineering are as set forth in Section 7.1 preceding and are in addition to the regulations, rates and charges specified in this Section.

8.1.3 SPECIAL CONSTRUCTION

The circumstances under which Special Construction is provided are described in Section 9. following. The regulations and charges for Special Construction are also set forth in Section 9. following and are in addition to the regulations and charges specified in this Section. (T)
(T)

ACCESS SERVICE TARIFF

CENTRAL TELEPHONE COMPANY
NORTH CAROLINA

Tariff NCUC No. 1

Original Page 201.1
EFFECTIVE: June 24, 1997

8. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICES

8.2 FACILITIES ACCESS ORDER

A Facilities Access Order is used by the Telephone Company to provide a customer Access Service as follows:

- Switched Access Services as set forth in Section 4. preceding,
- Special Access Services as set forth in Section 5. preceding, and
- Other Services as set forth in Section 8.1.2 preceding.

When placing an order for Access Service, the customer shall provide, at a minimum, the following information:

- For Feature Group A Switched Access Service, the customer shall specify the number of lines and the first point of switching (i.e., dial tone office), the directionality of the service and the Switched Transport and Local Switching options desired. In addition, the customer shall also specify which lines are to be arranged in multiline hunt group arrangements and which lines are to be provided as single lines.

The customer shall also specify that the Feature Group A is to be provided with an extension to a different exchange, if applicable. When such an extension is specified on the order, the customer must also specify the customer's premises in the different exchange with the Switched Access Feature Group A, at which the FGA extension is to be terminated.

- For Feature Group B Switched Access Service, the customer shall specify the number of trunks and the end office when direct routing to the end office is desired or the access tandem switch when routing is desired via an access tandem switch and Switched Transport and Local Switching options desired. When ordering FGB trunks 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. In addition, the customer shall also specify for terminating only access minutes whether the trunks are to be arranged in trunk group arrangements or provided as single trunks. The traffic type must also be specified using the same categories as described in Section 4.2 preceding, to enable efficient provisioning and billing functions.

- When FGA is ordered in a multi-Telephone Company provided Extended Area Service area or FGB is ordered in a multi-Telephone Company access tandem arrangement, the customer must provide a copy of the order to all Secondary Exchange Carriers. Each Exchange Carrier will bill as set forth in Section 2.4.4 preceding.

- For Feature Groups C and D Switched Access Service, the customer shall specify the number of trunks and the end office when direct routing to the end office is desired or the access tandem switch when routing is desired via an access tandem switch and the Switched Transport and Local Switching options desired. When ordering FGC or FGD trunks to an access tandem, the customer must also provide the Telephone Company an estimate of the amount of traffic by type 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. The basic traffic type must also be specified using the same categories as described in Section 4.2 preceding, to enable efficient provisioning and billing functions. When a customer orders FGD, the customer is responsible to assure that sufficient access facilities have been ordered to handle its traffic.

When ordering FGD with SS7 Signaling, in addition to the information listed in Section 8.2 preceding, the customer shall specify the signaling point codes and trunk circuit identification codes. The customer must also identify the Common Channel Signaling/Signaling System 7 (CCS/SS7) Interconnection Service link associated with the FGD trunk group.

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(M)

(M) Material now appearing on this page previously appeared on Page 201.

(C)

ACCESS SERVICE TARIFF

CENTRAL TELEPHONE COMPANY
NORTH CAROLINA

Tariff NCUC No. 1
Second Revised Page 201.2
Cancels First Revised Page 201.2
EFFECTIVE: August 2, 2002

8. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICES

8.2 FACILITIES ACCESS ORDER (Cont'd)

- For Toll Free Code (TFC) Access Service, the customer shall order in the same manner that is set forth preceding for ordering Feature Group D, except that customers may request direct connections to only those end offices and access tandems equipped with TFC Service Switching Point (TFC SSP) functionality. All TFC traffic originating from end offices not equipped with the TFC SSP function must be routed via an access tandem at which the function is available and the TFC Access Service must be ordered accordingly. TFC SSP locations are identified in the National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4. The TFC Access Service customer must advise its Responsible Organization or the TFC Service Management System (TFC SMS) whether the TFC to Local Exchange Number Translation optional feature set forth in Section 4.1.1 preceding is desired. When the TFC to Local Exchange Number Translation feature is to be delivered to the customer, the customer must provide, via the TFC record in the TFC SMS, the ten (10) digit local exchange number (NPA-NXX-XXXX) to be associated with the translated TFC number. If the TFC to Local Exchange Number Translation optional feature is used, the customer will be unable to determine that such calls originated as TFC dialed calls (e.g., 1+800-NXX-XXXX) unless the customer also orders the Flexible Automatic Number Identification (Flex ANI) optional feature.

In addition, when a local exchange number is to be delivered to the TFC Access Service customer, the customer must provide to its Responsible Organization or to the TFC Service Management System (TFC SMS), the ten (10) digit local exchange number to be associated with the translated TFC number.

If the customer desires any of the TFC Data Base Optional Service Features described in Section 4.1.1 preceding, the customer must enter this information into the TFC SMS or provide the information to its Responsible Organization for handling. Optional features are not available to customers of Interexchange Carriers for use in connection with interLATA TFC Services.

- For Interim 500 or 900 Access Service, the customer shall order in the same manner that is set forth preceding for ordering Feature Group D, except that customers may request direct connections to only those end offices designated by the Telephone Company as Interim 500 or 900 Access Service screening offices. Additionally, when new NXX(s) are to be opened in the state, for exchanges served by the Telephone Company, or when existing NXX(s) are to be deleted, and such change is to occur coincident with the service date established for the order, the customer shall provide such information when placing the order for service. If the change is to occur absent the requirement for additional capacity (i.e., quantities of trunks), the customer shall notify the Telephone Company of the change as set forth in Sections 4.4.1c. and 4.4.1d. preceding. All 500 and 900 number assignments and administration shall be in accordance with the North American Numbering Plan (NANP).
- For all Special Access Services, the customer must specify the customer designated premises or Hubs involved, the type of service (e.g., Voice Grade, High Capacity, etc.), The channel interface, technical specification package and options desired. For multipoint services, the channel interface at each premises may, at the request of the customer, be different but all such interfaces shall be compatible. (C)
- When a customer desires Switched Access Service to an end office that is a remote switching office, the customer must order to the host office that controls the remote switching office since all traffic to and/or from a remote switching office must be routed through the host office.

ACCESS SERVICE TARIFF

CENTRAL TELEPHONE COMPANY
d/b/a CENTURYLINK
NORTH CAROLINA

Tariff NCUC No. 1
Second Revised Page 201.3
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EFFECTIVE: July 3, 2016

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(T)

8. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICES

8.2 FACILITIES ACCESS ORDER (Cont'd)

- For Common Channel Signaling/Signaling System 7 (CCS/SS7) Interconnection Service, the customer must provide the following information to the Telephone Company at the time of ordering:
 - Number of Access Links
 - Link Type
 - Signaling Link Code
 - Customer Signaling Point Code
 - Common Language Location Identifier (CLLI) Code of the Telephone Company Interconnecting Signal Transfer Point
 - Contact telephone number for installation and maintenance of the customer's designated premises

When ordering CCS/SS7 Interconnection Service, the customer will provide an estimate of total annual volume and busy hour busy month volume projected for a period of three (3) years. The forecast should be itemized by message type. The Telephone Company will utilize this forecast in its own efforts to project further facility requirements.

- For Line Information Data Base (LIDB) Access Service, the customer shall provide a LIDB Access Service Request that specifies the Originating Point Codes (OPCs) of the customer's designated Operator Service Systems (OSSs) sending the query or queries, the PIU per Originating Point Code (OPC) of the customer's OSS location and the desired due date of the order.

LIDB Access Service is provided in conjunction with CCS/SS7 Interconnection Access Service, as set forth in Section 4.1.2b.(3) preceding. The customer must arrange for CCS/SS7 Interconnection to the two (2) Telephone Company interconnecting Signal Transfer Points (STPs) located in Johnson City, Tennessee and Bristol, Tennessee in order to utilize LIDB Access Service.

- For Operator Transfer Service, the customer must specify the specific intrastate area where the customer desires the service to be provided. The customer must specify whether Feature Group B, Feature Group C or Feature Group D Switched Access Service will be used to interconnect between the OSS Tandem(s) and the customer's premises and whether or not operator functionality, coin station control or both are to be provided by the customer.

(D)

Operator Service System (OSS) Tandem interconnection requirements are specified in Section 16.2 following. Information regarding OSS Tandem locations is contained in the National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4.

- Special Access Service may be ordered for connection with Switched Access Service at Telephone Company designated WATS Serving Offices (WSOs) and may be ordered separately by a customer other than the customer that orders the Switched Access Service. For this Special Access Service, the customer must also specify the type of calling (i.e., originating only or terminating only) for which the service is to be provided. Additionally, when the necessary screening functions are not provided at the wire center that serves the customer's originating or terminating premises, the Telephone Company will provide the service to the nearest wire center where capacity exists. In these circumstances, the customer will be so notified and the order will be changed to designate the appropriate premises. No charge will apply for the change.

ACCESS SERVICE TARIFF

CENTRAL TELEPHONE COMPANY
NORTH CAROLINA

Tariff NCUC No. 1

Original Page 201.4
EFFECTIVE: June 24, 1997

8. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICES

8.2 FACILITIES ACCESS ORDER (Cont'd)

(T)

When Switched Access Service is ordered in trunks, the trunks may be determined by the customer in the following manner. For each day the customer shall determine the highest number of trunks in use for a single hour. The customer shall, for the same hour period (i.e., busy hour), pick the twenty (20) consecutive business days in a calendar year which add up to the largest number of trunks in use. The customer shall then determine the average busy hour trunks by dividing the largest number of trunks in use figure, for the same hour period, for the consecutive twenty (20) business day period by twenty (20). This computation shall be performed for each end office and/or access tandem the customer wishes to service.

(C)

Where the Special Access Service is exempt from the Special Access Surcharge as set forth in 5.4.6 preceding, the customer shall furnish with the order the certification as set forth in that Section.

(C)

8.2.1 FACILITIES ACCESS ORDER SERVICE DATE INTERVAL

(N)

The Telephone Company will make every effort to provide Access Service to customers on the date specified by the customer. In situations where the Telephone Company misses the service date by more than thirty (30) days due to circumstances over which it has direct control (excluding, e.g., Acts of God, governmental requirements, work stoppages and civil commotions), the customer may cancel the Facilities Access Order without incurring Cancellation Charges.

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

- (1) Special Construction or Specialized Services or Arrangements are not requested.
- (2) Specialized equipment is not required.
- (3) Other telephone companies are not involved in the service installation.
- (4) Customer actions do not prevent or inhibit installation of the service (e.g., the customer's premises is inaccessible, the customer changes interface requirements or the customer is not ready to accept the service).
- (5) Access Service will be installed during the Telephone Company business day. If a customer requests that installation be done outside of normally scheduled working hours, and the Telephone Company agrees to this request, the customer will be subject to applicable Additional Labor Charges as set forth in Section 7.2 preceding.

(N)

ACCESS SERVICE TARIFF

CENTRAL TELEPHONE COMPANY
 d/b/a CENTURLINK
 NORTH CAROLINA

Tariff NCUC No. 1
 Fourth Revised Page 202 (T)
 Cancels Third Revised Page 202 (T)
 EFFECTIVE: July 1, 2016

8. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICES

8.2 FACILITIES ACCESS ORDER (Cont'd)

8.2.2 FACILITIES ACCESS ORDER CHARGE

A nonrecurring charge will apply for receiving, recording and processing information necessary to execute a customer's Facilities Access Order for Switched or Special Access Services.

One (1) charge will apply for each order received. An order will include the request for all work to be performed or provided in connection with the customer's facilities. If the Facilities Access Order is modified, charges as set forth in Section 8.2.3 following apply.

At the time the customer places a Facilities Access Order with the Telephone Company, the customer will be informed that if the Facilities Access Order is cancelled prior to installation of access facilities, where installation of access facilities has commenced, a Cancellation Charge as set forth in Sections 8.2.7d. and 8.2.7e. following will apply.

Facilities Access Order Charge	<u>Charge</u>	
- Per Order		
(Special)	\$0.00	
(Switched) [1]	10.00 (I)	(C)
(CCS/SS7)	0.00	
(Entrance Facility)	0.00	
(Direct-Trunked)	0.00	
(Tandem-Switched)	0.00	

[1] 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. (N)

ACCESS SERVICE TARIFF

CENTRAL TELEPHONE COMPANY
NORTH CAROLINA

Tariff NCUC No. 1
Fourth Revised Page 203
Cancels Third Revised Page 203
EFFECTIVE: June 20, 2000

8. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICES

8.2 FACILITIES ACCESS ORDER (Cont'd)

8.2.3 FACILITIES ACCESS ORDER MODIFICATIONS

The Customer may request a modification of its Facilities Access Order prior to the service date. The Telephone Company will make every effort to accommodate a requested modification when it is able to do so with the normal work force assigned to complete such orders within normal business hours. If the modification cannot be made with the normal work force during normal business hours, the Telephone Company will notify the Customer. If the Customer still desires the Facilities Access Order modification, the Telephone Company will schedule a new service date and will inform the Customer of which of the charges, set forth in this Section 8.2.3 will be imposed. All charges for Facilities Access Order modifications will apply on a per occurrence basis.

When Telephone Company personnel are dispatched to install a customer's service on the requested service date and the customer advises the Telephone Company personnel that service cannot be accepted at that time, the customer is responsible for payment of additional labor charges for the time incurred by the Telephone Company personnel. The additional labor charges will be applied on a per half hour, per technician basis as set forth in Section 7.2.6 preceding.

(N)
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(N)

Any increase in the number of Special Access Service channels or Switched Access Service capacity or circuit quantities, CCS/SS7 point terminations or LIDB originating point codes (OPCs) will be treated as a new Facilities Access Order, as would a change in Feature Group type.

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

a. Service Date Change Charge

Facilities Access Order service dates may be changed subject to the payment of a Service Date Change Charge. A Service Date Change Charge will apply for each service date changed. If the service date is changed to an earlier date, Additional Labor charges, as set forth in Section 7, may also be required in addition to the Service Date Change Charge. The Telephone Company will not accept orders for service dates that exceed the applicable service date by more than six months.

ACCESS SERVICE TARIFF

CENTRAL TELEPHONE COMPANY
d/b/a CENTURYLINK
NORTH CAROLINA

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8. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICES

8.2 FACILITIES ACCESS ORDER (Cont'd)

8.2.3 FACILITIES ACCESS ORDER MODIFICATIONS (Cont'd)

a. Service Date Change Charge (Cont'd)

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 that does not exceed 60 calendar days from the original service date.

(C)

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 applied to the order.

If the service date is changed to an earlier date, and the Telephone Company determines that additional labor, additional engineering, additional testing or miscellaneous charges are necessary to meet the earlier service date requested by the customer, such charges will apply subject to the terms and conditions in Section 7 in addition to the Service Date Change Charge.

The Telephone Company will provide Customers with an estimate of charges to expedite an Access order and the Telephone Company's actual charges therefore shall not exceed those estimated by more than 10 percent.

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 8.2.6 following. A new Access Order with the new service date will be issued. The Service Date Change Charge will not apply.

(C)

If the service date is changed due to a Design Change as set forth in b. following, the Service Change Charge will apply. The Service Date Change Charge is:

	<u>Nonrecurring Charge</u>	
	<u>Switched</u>	<u>Special</u>
	<u>Access [1]</u>	<u>Access</u>
Service Date Change Charge,		
- per order	\$0.00 (R)	\$19.62

[1] 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.

ACCESS SERVICE TARIFF

CENTRAL TELEPHONE COMPANY
 d/b/a CENTURYLINK
 NORTH CAROLINA

Tariff NCUC No. 1
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8. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICES

8.2 FACILITIES ACCESS ORDER (Cont'd)

8.2.3 FACILITIES ACCESS ORDER MODIFICATIONS (Cont'd)

b. Design Change Charges

The Customer may request a design change to the service ordered. A design change is any change to a Facilities Access Order that requires engineering review. Engineering review is review by Telephone Company personnel of the service ordered and the requested change to determine what alterations in the design of the service are necessary to accommodate the change requested by the Customer. A design change may include the cancellation or addition of Optional Features and Functions and type terminations. It may not include a change of Access Connection Interface Group or facility type, Customer premises, end office switch, protocol or Feature Group type. Changes of this nature will require the issuance of a new order and the cancellation of the original order with appropriate charges applied.

The Telephone Company will review the requested change and notify the Customer whether the change can be accommodated. If the Customer authorizes the Telephone Company to proceed with the design change, a Design Change Charge will apply. If, as a result of the change, the original service date cannot be met without the Telephone Company incurring additional labor, and the Customer provides authorization to the Telephone Company to proceed, then charges as set forth in Section 8 will apply. If the Customer is unwilling to pay such costs, the service date must be changed in accordance with a. preceding as a result of the design change.

	<u>Nonrecurring Charge</u>		(C)
	<u>Switched</u>	<u>Special</u>	
	<u>Access [1]</u>	<u>Access</u>	(C)
The Design Change Charge is:			
- per order	\$13.50 (R)	\$19.62	(C)

[1] 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. (N)

ACCESS SERVICE TARIFF

CENTRAL TELEPHONE COMPANY
d/b/a CENTURYLINK
NORTH CAROLINA

Tariff NCUC No. 1
Sixth Revised Page 206
Cancels Fifth Revised Page 206
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8. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICES

8.2 FACILITIES ACCESS ORDER (Cont'd)

8.2.7 CANCELLATION OF A FACILITIES ORDER

- a. The Customer may cancel a Facilities Access Order in whole or in part 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 or portion thereof is to be cancelled.

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

- The Access Order will be canceled and charges set forth below 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.

(C)
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(C)
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(D)
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(D)

- b. Installation of Switched or Special Access Service facilities is considered to have started once the Firm Order Confirmation date has been provided to the customer.
- c. Where the Customer cancels a Facilities Access Order or portion thereof prior to the start of the installation of the access facilities cancelled, no charges shall apply.
- d. Where installation of access facilities has been started prior to the cancellation, the following shall apply:
 - (1) If the customer has requested a service date change beyond the original service date, the resulting additional installation days are included in the service interval.
 - (2) When counting the number of days in the service interval or the number of days from the latest agreed upon service date through the Access Order cancellation date, the latest agreed upon service date will count as day one.

ACCESS SERVICE TARIFF

CENTRAL TELEPHONE COMPANY
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8. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICES

8.2 FACILITIES ACCESS ORDER (Cont'd)

8.2.7 CANCELLATION OF A FACILITIES ORDER (Cont'd)

d. Where installation of access... (Cont'd)

(3) Except as set forth in (4) following, the cancellation charge will be a percentage of all nonrecurring charges associated with the access order, or that part of the order being canceled. This percentage is calculated by dividing the number of days from the latest agreed upon service date through the cancellation date by the number of days in the agreed to service interval. The cancellation charge is then developed by multiplying the nonrecurring charges associated with installation of the canceled service by the calculated percentage.

(4) The cancellation charge for OC3, OC12, OC48 or OC192 services without separate nonrecurring installation charges (e.g. OptiPoint Service) will be calculated as a percentage of the Optical Service Charge set forth in Section 4.7.8 following for each node associated with the canceled order. This percentage is calculated as specified in (3) preceding.

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e. Reserved for Future Use

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8. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICES

8.2 FACILITIES ACCESS ORDER (Cont'd)

8.2.7 CANCELLATION OF A FACILITIES ORDER (Cont'd)

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8.2.8 FACILITIES TEST AND LINE UP

- a. For Switched or Special Access Facilities, test and line up will be made by the Telephone Company using the Customer facilities which are installed at the Customer designated premises to terminate the capacity or services provided. The Customer shall provide personnel and equipment necessary to conduct the testing and line up and shall have its facilities available to complete the testing and line up during the period mutually agreed upon for testing. If Customer personnel, equipment or facilities are not provided, and the service date is missed as a result, no Delayed Activation Credit, as set forth in Section 8.2.9, applies.
- b. Testing and line up as set forth in a. preceding may begin up to thirty (30) days prior to the scheduled service date. The Telephone Company will notify the Customer of the scheduled start date at least ten working days prior to such date. If this date is mutually agreeable, the Telephone Company will begin testing on the scheduled date. If this date is not agreeable to the Customer and a later date is agreed upon, no Delayed Activation Credit will apply if the facilities are not available on the service date.

8.2.9 DELAYED ACTIVATION CREDIT

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

8.2.10 DISCONTINUATION OF SERVICE

Orders for discontinuance of service must be received in writing 24 hours in advance of the customer desired disconnect date. The Telephone Company will insure that the service is disconnected on the requested date. No charges will apply after the requested disconnect date except as defined for minimum periods in Section 2.4.2.

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8. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICES

8.2 FACILITIES ACCESS ORDER (Cont'd)

8.2.11 ACCESS ORDERS FOR SERVICES PROVIDED BY MORE THAN ONE TELEPHONE COMPANY

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Access Services provided by more than one (1) Telephone Company are services where one (1) end of the Switched Transport or Special Access Channel Mileage element is in the operating territory of one (1) Telephone Company and the other end of the element is in the operating territory of a different Telephone Company.

The ordering, rating and billing procedures for this service are specified in Section 2.4.4 of this tariff.

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8. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICES

8.2 FACILITIES ACCESS ORDER (Cont'd)

8.2.11 RESERVED FOR FUTURE USE

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9. SPECIAL CONSTRUCTION

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9.3 <u>MAXIMUM TERMINATION LIABILITY AND TERMINATION CHARGE</u>	211	(M)	(T)

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9. SPECIAL CONSTRUCTION

9.1 GENERAL

This Section addresses Special Construction of Telephone Company facilities that are used to provide services offered under this Tariff except for those offered in Section 6 preceding.

(T)

The Telephone Company will notify the customer in writing when Special Construction is required. The notice will contain an explanation of the reasons requiring Special Construction and an estimate of the costs of such construction. When Special Construction is required, a charge will be made for the cost of the Special Construction. In those cases when a Maximum Termination Liability Charge for the Special Construction applies, the terms and conditions in Section 9.3 following will apply.

When Special Construction of facilities is required, the provisions of this Section apply in addition to regulations, rates and charges set forth in other Sections of this Tariff.

9.2 CONDITIONS REQUIRING SPECIAL CONSTRUCTION

Special Construction is required when suitable facilities are not available to meet a customer's order for service and one (1) or more of the following conditions exist:

- The Telephone Company has no other requirement for the facilities constructed at the customer's request;
- The customer requests that service be furnished using a type of facility, or via a route, other than that which the Telephone Company would otherwise utilize in furnishing the requested service;
- The customer requests the construction of more facilities than is required to satisfy its order for service;
- The customer requests construction be expedited resulting in added cost to the Telephone Company.

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ACCESS SERVICE

9. Special Construction (Cont'd)

9.3 Maximum Termination Liability and Termination Charge

A Maximum Termination Liability is equal to the nonrecoverable costs associated with specially constructed facilities and is the maximum amount which could be applied as a Termination Charge if all specially constructed facilities were discontinued before the Maximum Termination Liability expires.

The liability period is equal to the average life of the account associated with the specially constructed facilities. The liability period is generally expressed in terms of an effective and expiration date.

The Maximum Termination Liability is filed with the initial Tariff filing in decreasing amounts at ten-year intervals over the average account life of the facilities. In the event that the average account life of the facilities is not an even multiple of ten (10), the last increment will reflect the appropriate number of years remaining.

Example Illustrating a 27-Year Average Account Life

<u>Maximum Termination Liability</u>	<u>Effective Date</u>	<u>Expiration Date</u>
\$10,000	6/1/84	6/1/94
7,000	6/1/94	6/1/04
3,000	6/1/04	6/1/11

Prior to the expiration of each liability period, the customer has the option to (A) terminate the special construction case and pay the appropriate charges, or (B) extend the use of the specially constructed facilities for the new liability period.

The Telephone Company will notify the customer six (6) months in advance of the expiration date of each ten-year liability period. The customer must provide the Telephone Company with written notification at least thirty (30) days prior to the expiration of the liability period if termination is elected. Failure to do so will result in an automatic extension of the special construction case to the next liability period at the filed Maximum Termination Liability amount.

A Termination Charge may apply when all services using specially constructed facilities which have a tariffed Maximum Termination Liability are discontinued prior to the expiration of the liability period. The charge reflects the unamortized portion of the nonrecoverable costs at the time of termination, adjusted for net salvage and possible reuse. Administrative costs associated with the special case of special construction and any cost for restoring a location to its original condition are also included. A Termination Charge may never exceed the filed Maximum Termination Liability.

A partial termination of specially constructed facilities will be provided, at the election of the customer. The amount of the Termination Charge associated with such partial termination is determined by multiplying the termination charge which would result if all services using the specially constructed facilities were discontinued,

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9. Special Construction

9.3 Maximum Termination Liability and Termination Charge (Cont'd)

at the time partial termination is elected, by the percentage of specially constructed facilities to be partially terminated. A Tariff filing will be made following a partial termination to list remaining Maximum Termination Liability amounts and the number of specially constructed facilities the customer will remain liable for.

Example

A customer with a filed Maximum Termination Liability of \$100,000 for 3,600 specially constructed facilities requests a partial termination of 900 facilities. The Termination Charge for all facilities, at the time of election, is \$60,000. The Partial Termination Charge, in this example, is \$60,000 x 900/3600, or \$15,000.

9.4 ANNUAL UNDERUTILIZATION LIABILITY AND UNDERUTILIZATION CHARGE

Prior to the start of special construction, the Telephone Company and the customer will agree on (1) the quantity of facilities to be provided, and (2) the length of the planning period during which the customer expects to place the facilities in service. The planning period is hereinafter referred to as the Initial Liability Period (ILP). The ILP is listed in the Tariff with an effective and expiration date.

Underutilization occurs only if, at the expiration date of the ILP and annually thereafter, less than 70% of the specially constructed facilities are in service at filed Tariff service rates.

An annual underutilization liability amount is filed on a per unit basis (e.g., per cable pair) for each case of special construction. This amount is equal to the annual per unit cost and includes depreciation, maintenance, administration, return, taxes and any other costs identified in the supporting documentation provided at the time the special construction case is filed.

Upon the expiration of the ILP, the number of underutilized facilities, if any, are multiplied by the annual underutilization liability amount. This product is then multiplied by the number of years (including any fraction thereof) in the ILP to determine the underutilization charge.

Annually thereafter, the number of underutilized facilities, if any, existing on the anniversary of the ILP expiration date will be multiplied by the annual underutilization liability amount to determine the underutilization charge for the preceding 12-month period.

Example

A customer orders 100 services and the special construction of a 600 pair building riser cable is agreed to, based on the customer's 5-year facility requirements. The ILP, in this example, would be filed at 5 years. The annual underutilization liability is filed at \$2.00 per pair. If 400 pairs

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9. Special Construction

9.3 Maximum Termination Liability and Termination Charge (Cont'd)

were in service at the end of the ILP, there would be an underutilization of 20 pairs, i.e., 420 (70%) of 600) – 400 = 20. The total underutilization charge for the first years would be \$200.00, or \$2.00 per pair x 20 pairs x 5 years.

If 400 pairs are in service at the end of the 6th year, there is no underutilization, i.e., 420 - 420 = 0.

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10. SPECIAL FACILITIES ROUTING OF ACCESS SERVICES

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10. Special Facilities Routing of Access Services

10.1 Description of Special Facilities Routing of Access Services

The services provided under this Tariff are provided over such routes and facilities as the Telephone Company may elect. Special Facilities Routing is involved, when, in order to comply with requirements specified by the customer, the Telephone Company provides Switched Access Service, Special Access Service or Special Federal Government Access Service in a manner which includes one or more of the following conditions:

10.1.1 Diversity

Two (2) or more services must be provided over not more than two different physical routes.

10.1.2 Avoidance

A service must be provided on a route which avoids specified geographical locations.

10.1.3 Cable-Only Facilities

Certain Voice Grade Services are provided on Cable-Only Facilities to meet the particular needs of a customer.

Service is provided subject to the availability of Cable-Only facilities. In the event of service failure, restoration will be made through the use of any available facilities as selected by the Telephone Company.

Avoidance and Diversity are available on Switched Access Service as set forth in Section 4, Narrowband, Voice Grade and Wideband Analog Special Access Services as set forth in Sections 5.2.1(A), (B) and (E) and Special Federal Government Access Services as set forth in Section 11. Cable-Only Facilities are available for Switched Access Service as set forth in Section 4; Voice Grade Special Access Services as set forth in 5.2.1(B) and Special Federal Government Access Services as set forth in Section 11.

In order to avoid special routing compromise, the Telephone Company will provide the ordering customer with the routing information for each specially routed service. If requested by the customer, this information will be provided when service is installed and prior to any subsequent changes in routing.

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10. Special Facilities Routing of Access Services (Cont'd)

The rates and charges for Special Facilities Routing of Access Services as set forth in Section 10.2 following are in addition to all other rates and charges that may be applicable for services provided under other Sections of this Tariff.

10.2 Rates and Charges for Special Facilities Routing of Access Services

The rates and charges for Special Facilities Routing of Access Services are as follows:

10.2.1 Diversity

For each service provided in accordance with Section 10.1.1, the rates and charges will be developed on an individual case basis.

10.2.2 Avoidance

For each service provided in accordance with Section 10.1.2 the rates and charges will be developed on an individual case basis.

10.2.3 Diversity and Avoidance Combined

For each service provided in accordance with Sections 10.1.1 and 10.1.2 combined, the rates and charges will be developed on an individual case basis.

10.2.4 Cable-Only Facilities

For each service provided in accordance with Section 10.1.3, the rates and charges will be developed on an individual case basis.

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11. SPECIAL FEDERAL GOVERNMENT SERVICES

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11. Special Federal Government Services

11.1 General

This Section covers Special Access Services that are provided to a customer for use only by agencies or branches of Federal Government and other users authorized by the Federal Government, including state or local emergency operations centers. 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 the 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.

11.2 Emergency Conditions

These services will be provided on the date requested or as soon as possible thereafter when the emergency falls into one (1) 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 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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11. Special Federal Government Services (Cont'd)

11.3 Intervals to Provide Service

Services provided under the provisions of this Section are provided on an individual case basis.

11.4 Availability of Facilities

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.

11.5 Federal Government Regulations

In accordance with Federal Government Regulations, all service provided directly to the Federal Government will be billed in arrears. This provision does not apply to other customers that obtain services under the provisions of this Tariff to provide service to the Federal Government.

11.6 Service Offerings to the Federal Government

The following unique services are provided to a customer for use only by agencies or branches of the Federal Government, authorized users, and state emergency operation 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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11. Special Federal Government Services (Cont'd)

11.6 Service Offerings to the Federal Government (Cont'd)

11.6.1 Type and Description

(A) Voice Grade Special Access Services

(1) Voice Grade Secure Communications Type I

The approximate bandwidth of this type of service is 10-50,000 Hz. It is furnished for two-point secure communications on two-wire or four-wire metallic facilities between customer designated 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 is available (in one (1) or two (2) directions on four-wire facilities only) to provide the following characteristics:

The absolute loss (referenced to one (1) 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)

The net loss of the conditioned service (with or without additional conditioning) shall not vary by more than four (4) dB at 1,000 Hz from the levels specified above. Voice frequency signaling or supervisory tones can be transmitted.

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11.6 SERVICE OFFERINGS TO THE FEDERAL GOVERNMENT (Cont'd)

11.6.1 TYPE AND DESCRIPTION (Cont'd)

(T)

a. Voice Grade Special Access Services (Cont'd)

(N)

(2) Voice Grade Secure Communications Type II

(T)

The approximate bandwidth of this type of service is 10-50,000 Hz. It is furnished on four-wire metallic facilities for duplex operation for two-point secure communication between 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

(T)

The approximate bandwidth of this type of service is 10-50,000 Hz. It is furnished on four-wire metallic facilities for duplex operation for two-point secure communication between customer designated premises. Services are conditioned as follows:

G-2 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.

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11.6 SERVICE OFFERINGS TO THE FEDERAL GOVERNMENT (Cont'd)

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11.6.2 MILEAGE APPLICATION

Mileage for rate application is the airline distance measured between the service terminating points as 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 Section 5.4.4 preceding.

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11.6.3 RATES AND CHARGES

a. Voice Grade Special Access Service

The provision of T-3 and G-Conditioned services contemplates station and tandem switching operations, using customer provided equipment, as well as Special Access Service. Separate Voice Grade Services, where required by the customer provided equipment or switching operation, are furnished in accordance with the applicable section of this tariff.

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11.6 SERVICE OFFERINGS TO THE FEDERAL GOVERNMENT (Cont'd)

11.6.3 RATES AND CHARGES (Cont'd) (T)

a. Voice Grade Special Access Service (Cont'd)

<u>Voice Grade Secure Communications</u>	<u>Nonrecurring Charge</u>	<u>Termination Charge</u>	<u>Monthly Rate</u>
Type I, each T-3 Conditioning	ICB rates and charges apply*		
Additional Conditioning, per channel termination	ICB rate and charges apply		
Type II, each G-1 Conditioning	ICB rate and charges apply		
Type III, each G-2 Conditioning	ICB rate and charges apply		
Additional Conditioning, per channel termination	ICB rate and charges apply		
Type IV, each G-3 Conditioning	ICB rate and charges apply		
Additional Conditioning, per channel termination	ICB rate and charges apply		

* ICB rates and charges are determined on an individual case basis.

b. Reserved For Future Use (C)

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c. Move Charges (T)

When a service requiring T-3 conditioning, T-3 additional Conditioning or a service requiring G Conditioning as set forth in Section 11.6.3a preceding is moved to a different building or to a new location in the same building, the nonrecurring charge applies.

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11. Special Federal Government Services (Cont'd)

11.6 Service Offerings to the Federal Government (Cont'd)

11.6.3 Rates and Charges (Cont'd)

(C) Move Charges (Cont'd)

When any service, for which a termination charge is specified, is moved and is installed at a new location, the customer may elect:

- (1) 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
- (2) 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, taxes and any other specific items of cost directly attributable to the move.

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15. RESERVED FOR FUTURE USE

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16. OPERATOR SERVICES

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16.1 OPERATOR SERVICES DESCRIPTION

Operator Services includes the service category of Operator Transfer. Operator Transfer is provided from Operator Service System (OSS) Tandems to the customer's premises in conjunction with the rules and regulations of the specified Access Services found in Sections 2, 4, and 8, preceding. Operator Services are available at all Telephone Company end offices; however, they may be unavailable in certain LATAs due to existing trunking arrangements. In locations where the provider of Operator Services is not the Telephone Company, availability of Operator services is at the discretion of the Operator Services provider. If Operator Services are available, the Telephone Company rates are applicable and billed by the Telephone Company. In locations where the Telephone Company is the provider of Operator Services for other telephone companies, availability of Operator Services is contingent on the availability of Operator Services tariffs of that telephone company. The OSS Tandem locations are provided in the National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4. (D) (T) (D) (T) (T)

16.1.1 OPERATOR TRANSFER SERVICE DESCRIPTION

Operator Transfer is an originating service that provides call routing of 0-(the digit "0" with no additional digits) calls to a participating customer as requested by the calling end user. An Operator Transfer call is routed to the Telephone Company's OSS operator for completion to a destination outside the originating LATA when the calling party dials "0" and waits for an operator to assist with the call. The Telephone Company operator will, upon request, transfer the call to the calling end user's participating customer (i.e., the Telephone Company's Operator Transfer Service customer) of choice. If the calling end user has no specific customer preference, the OSS operator will consult reference information and offer to the calling party the name of a participating customer. The reference information is arranged to give all participating customers an equal opportunity of being offered to and chosen by the calling end user. After a selection is made by the calling end user, the operator keys in the selected customer's Carrier Identification Code (CIC) and transfers the call.

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16.2 MANNER OF PROVISIONING

- a. Operator Services trunking between the customer's premises and the OSS Tandem is provisioned as either Switched Access Feature Group B, Feature Group C or Feature Group D Service and may be arranged, per the customer's request, as either 1-way or 2-way services. These trunk groups are established as final trunks and will be assigned data registers to obtain usage, peg count and overflow attempt information. If a trunk(s) does not currently exist between the customer's premises and the OSS Tandem(s), the customer must establish Feature Group B or Feature Group D Service to the Telephone Company's OSS Tandem(s). The Telephone Company will provide trunk side switching along with trunk answer and disconnect supervisory signaling to the customer.

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16.2 MANNER OF PROVISIONING (Cont'd)

- b. When the OSS Tandem also functions as the Message Toll Service (MTS) Access Tandem, the customer may combine Operator Services traffic with its MTS Switched Access traffic between the OSS Tandem and the customer's premises provided the trunk group has the same signaling and routing requirements as specified for Operator Transfer. However, Operator Services traffic may not be combined with MTS Switched Traffic if the customer provides operator functionality or coin control. (D)

16.2.1 OPERATOR TRANSFER

- a. The customer must order sufficient capacity between the OSS Tandem(s) and the customer's premises to serve Operator Transfer traffic originating from those end offices. The Telephone Company OSS Tandems send 10-digit ANI (NPA + 7-digit telephone number) for Feature Group D trunk groups with equal access signaling or Operator Services address signaling and Feature Group C trunk groups with traditional signaling. However, the Telephone Company OSS Tandems send 7-digit ANI for Feature Group C trunk groups with Operator Services signaling. Therefore, if the customer requires Operator Transfer calls separately identified by the originating NPA for the Feature Group C trunk group with Operator Services signaling, the customer must utilize a separate and final trunk group, from the OSS Tandem to the customer's premises, for each NPA served by that OSS Tandem.
- b. In order for the customer to provide full operator functionality (e.g., Operator Recall, Sequence Dialing, Time and Charge Quotation, and Emergency Ringback) or coin control, the customer must order Operator Trunk - Pay Telephone for Feature Group C Service or Operator Trunk - Full Feature for Feature Group D Service. Full operator functionality not required to provide Operator Transfer Service. When coin control is provided, the customer must establish a separate and final trunk group for each type of end office operator/coin signaling (i.e., inband, expanded inband and multiwink) existing in the end offices served by the OSS Tandem. Operator Transfer is not available for coin sent-paid traffic.

16.2.2 SIGNALING

- a. For Operator Transfer, the Telephone Company will provide traditional signaling for Feature Group B or Feature Group C Service or equal access signaling for Feature Group D Service. Customers providing operator functionality for operator traffic or coin control for pay telephone traffic will be provided with Operator Services signaling for Feature Group C or Operator Service address signaling for Feature Group D Service.

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16.2.3 DESIGN LAYOUT REPORT

Upon request, the Telephone Company will provide, the customer, the make-up of facilities and services provided from the customer's premises to the OSS Tandem. This information will be provided in the form of a Design Layout Report. The Design Layout Report will be provided at no charge and will be reissued or updated whenever the facilities provided for the customer's use are materially changed.

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16.2 MANNER OF PROVISIONING (Cont'd)

16.2.4 DESIGN BLOCKING

Trunks between the customer's premises and the OSS Tandems will follow the normal Feature Group B, C or D blocking criteria as set forth in Section 4.3 preceding. The Telephone Company will perform routing measurement functions to inform the customer that an adequate number of transmission paths are in service to meet the normal Feature Group B, C or D design blocking levels. However, capacity levels and trunk quantities will be the responsibility of the customer.

16.2.5 TESTING

Acceptance testing for Operator Services will be provided as set forth in Section 4.1 preceding. Testing capabilities for Feature Group B, Feature Group C and Feature Group D Services utilized in conjunction with Operator Services will be provided as set forth in Section 4.2 preceding.

16.2.6 INTERFACE GROUPS AND TRANSMISSION PARAMETERS

Operator Services will utilize the same Interface Groups and Transmission Specifications as specified in Section 4.2 preceding.

16.2.7 ORDERING AND BILLING OPTIONS AND CONDITIONS

- a. Operator Transfer Service is ordered under the Access Order provisions as set forth in Section 8. preceding. The access Order Charge applicable for Switched Access will apply per Access Order for the installation, addition, change or rearrangement of Operator Transfer Service. In addition, other Access Order Charges (i.e., Service Date Change Charges, etc.) may apply.
- b. Billing for all Operator Services will occur on a monthly basis as other billing is performed, but will be rendered on a statement detailing the flat-rated charges for the entire company applicable to that customer for the specified monthly period.

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(M) Material previously found on this page now appears on Page 288.

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16. OPERATOR SERVICES

16.3 LIABILITY OF THE TELEPHONE COMPANY

(T)

In addition to the liability statements as set forth in Section 2., preceding, the following also applies.

(M)

- a. The Telephone Company's liability, if any, for its gross negligence or willful misconduct is not limited by this Tariff. With respect to any other claim or suit, by a customer or any others, for damages arising out of negligent mistakes, omissions, interruptions, delays or errors, defects in transmission, omission from or defects in the applicable list of customers or transfers to customers occurring in the course of furnishing service hereunder, the Telephone Company's liability, if any, shall not exceed any amount equivalent to the proportionate charge to the customer for the period of time during which such mistake, omission, interruptions, delays, errors, defects in transmission or service, omissions from or defects in the applicable list of customers or transfers to customers continues. However, any such mistakes, omissions, interruptions, delays, errors, or defects in transmission or service, omissions from or defects in the applicable list of customers or transfers to customers which are caused by or contributed to by the negligent omission or willful act of the customer provided facilities or equipment shall not result in the imposition of any liability whatsoever upon the Telephone Company. The Telephone Company expressly disclaims any express or implied warranty for the aforesaid service or offering including no warranty of merchant ability or warranty of fitness for any particular purpose. It is expressly acknowledged by all subscribers to the aforesaid service that errors, mistakes and omissions can and will occur and that the Telephone Company neither warrants nor guarantees faultless or perfect service or transmission.
- b. The customer indemnifies and saves the Telephone Company harmless against claims for libel, slander, or infringement of copyright and trademark arising from the information transmitted over facilities furnished hereunder and against all other claims arising out of any act or omission of the customer in connection with facilities provided by the Telephone Company.
- c. The customer indemnifies and saves the Telephone Company harmless against claims or suits for damages arising where the connection between the calling end user and a local emergency agency is in some way faulty or impaired, due in whole or in part to the negligent mistake or delay of the Telephone Company. Examples of this may include, but are not limited to, instances in which the Telephone Company, through negligent mistake or delay, may provide an incorrect local emergency agency number, or disconnect an in-progress call between a calling end user and a local emergency agency.

(M)

16.4 OBLIGATIONS OF THE CUSTOMER

In addition to the general regulations as set forth in Section 2 preceding, the following also applies:

- a. The customer shall provide the necessary on-hook, off-hook, answer supervision, and disconnect supervision at the customer's premises.
- b. Jurisdictional reporting will apply as required in Section 2.3.11 for determining the Percent Interstate Usage (PIU).

(M) Material moved to this page previously appeared on Page 287.

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16.5 RATE REGULATIONS

16.5.1 DESCRIPTION AND APPLICATION OF RATES AND CHARGES

a. Operator Transfer

The Operator Transfer charge is a flat-rated charge applicable per call transferred to the subscribing customer.

In addition to the Operator Transfer charge, recurring Switched Access premium rates apply as set forth in 4.7 preceding and premium Carrier Common Line (CCL) charges as set forth in Sections 13.2 and 13.3 preceding apply for usage originating from all end offices served by the OSS Tandem.

Nonrecurring Switched Access Charges are applicable as specified in Sections 4.6 and 8.2 preceding.

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16.6 RATES AND CHARGES

	<u>Recurring Rate</u>	
(a) Operator Transfer [1]		(T)
Per call transferred	\$0.29	(T)
		(D)
		(D)

[1] In addition, Switched Access Charges are applicable as detailed in 16.5 preceding. (T)

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16.7 THIS SECTION RESERVED FOR FUTURE USE

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17. COMMON CHANNEL SIGNALING/SIGNALING SYSTEM 7 (CCS/SS7) DATA BASE SERVICES

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17. COMMON CHANNEL SIGNALING/SIGNALING SYSTEM 7 (CCS/SS7) DATA BASE SERVICES

17.1 LINE INFORMATION DATA BASE (LIDB) ACCESS SERVICE

(D) (M)

17.1.1 GENERAL

Line Information Data Base (LIDB) Access Service provides the customer the ability to access billing validation data contained on the Telephone Company's LIDB located in Johnson City, Tennessee and Bristol, Tennessee. The LIDB is accessed through the Telephone Company SS7 network which utilizes American National Standards Institute (ANSI) signaling protocol. Access to the Telephone Company's LIDB provides customers the ability to provide toll fraud protection by validating calling card and toll billing exception data and performing public telephone checks.

17.1.2 DESCRIPTION

LIDB Access Service is provided by the Telephone Company to its customers in support of alternate billing services. LIDB Access Service provides access to billing validation data which resides in the Telephone Company data base for use with alternate billing services. Alternate billing services allow a customer's end users the ability to bill calls to an account not necessarily associated with the originating line. LIDB Access Service supports alternate billing services such as Calling Card, Collect Calls, and Third Number Billing.

(D)

Customers participating in LIDB Access Service for purposes of obtaining billing validation data, which resides in the Telephone Company data base, originate queries to the LIDB from an Operator Services System (OSS) identified by an Originating Point Code (OPC). The LIDB query is routed through one (1) of two (2) Telephone Company interconnecting Signaling Transfer Points (STPs), located in Johnson City, Tennessee and Bristol, Tennessee, to the Telephone Company Regional Service Control Point (SCP) where the LIDB resides.

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(M) Material now appearing on this page previously appeared on Page 296.

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17. COMMON CHANNEL SIGNALING/SIGNALING SYSTEM 7 (CCS/SS7) DATABASE SERVICES

17.1 LINE INFORMATION DATA BASE (LIDB) ACCESS SERVICE (Cont'd)

17.1.2 DESCRIPTION (Cont'd)

The requested billing validation data, in the form of signaling information, is passed back via either one (1) of the two (2) Telephone Company interconnecting STPs to the customer's designated OSS where the LIDB query was originated. The Telephone Company LIDB will receive and respond to Calling Card Service and Billed Number Screening queries as defined in Technical Reference Publications GR-246, FR-271, GR-905 and GR-954. (T)

LIDB Access Service will provide the following functions on a per query basis:

- Validation of a telecommunications calling card stored in the LIDB.
- Determination of whether the billed line automatically rejects certain calls billed as collect or third number.
- Determination of whether the billed line in the Billed Number Screen Query is a public telephone number using the "Service or Equipment Indicator" in the LIDB.

All access to the Telephone Company's LIDB will occur through two (2) Telephone Company interconnecting STPs located in Johnson City, Tennessee and Bristol, Tennessee. The customer must arrange for Common Channel Signaling/Signaling System 7 (CCS/SS7) interconnection to the two (2) Telephone Company interconnecting STPs located in Johnson City, Tennessee and Bristol, Tennessee in order to utilize LIDB Access Service.

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17. COMMON CHANNEL SIGNALING/SIGNALING SYSTEM 7 (CCS/SS7) DATABASE SERVICES

17.1 LINE INFORMATION DATA BASE (LIDB) ACCESS SERVICE (Cont'd)

17.1.2 DESCRIPTION (Cont'd)

a. Limitations (T)

Unless expressly authorized in writing by the customer and the Telephone Company, LIDB Access Service is not to be used for purposes other than those LIDB functions described in Section 17.1.2 preceding. LIDB Access Service is to be used for those services only on a call-by-call basis and data accessed on LIDB may not be stored elsewhere for future use.

Proprietary information resident in the Telephone Company LIDB is protected from unauthorized access and may not be stored in a customer's database for any reason. All information related to alternate billing services is proprietary. Some examples of proprietary information are as follows:

- Billed Number (resides in the Telephone Company LIDB)
- PIN Number(s) (resides in the Telephone Company LIDB)
- Billed Number Screening (BNS) indicators (resides in the Telephone Company LIDB)
- Reports on LIDB usage
- Information related to billing for LIDB usage
- LIDB usage statistics

b. Rate Categories (T)

There are two basic elements which apply to LIDB Access Service: Query Transport and Query.

(1) Query Transport (T)

The Query Transport rate element provides for the transmission facilities between the Telephone Company's STPs located in Johnson City, Tennessee and Bristol, Tennessee and the Telephone Company SCP where the LIDB resides.

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17. COMMON CHANNEL SIGNALING/SIGNALING SYSTEM 7 (CCS/SS7) DATABASE SERVICES

17.1 LINE INFORMATION DATA BASE (LIDB) ACCESS SERVICE (Cont'd)

17.1.2 DESCRIPTION (Cont'd)

b. Rate Categories (Cont'd) (T)

(2) Query (T)

The Query rate element provides for the validation of calling card and toll billing exception data and performance of public telephone checks. For these validation purposes, LIDB Access Service customers will query the LIDB located in the Telephone Company SCP via the Telephone Company CCS/SS7 network. The LIDB will respond with a verification signal message back to the LIDB Access Service customer via the Telephone Company CCS/SS7 network.

The charges associated with Query Transport and Query are set forth in Section 17.1.6 following.

c. Acceptance Testing (T)

The Telephone Company will perform testing of the LIDB Access Service in conjunction with CCS/SS7 Interconnection Service as outlined in Technical Reference Publications GR-905 and GR-954. (C)

d. Ordering Options and Conditions (T)

LIDB Access Service is ordered under the Access Order provisions set forth in Section 8 preceding. Also included in that section are other charges which may be associated with ordering LIDB Access Service (e.g., Service Date Change Charges).

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17.1 LINE INFORMATION DATA BASE (LIDB) ACCESS SERVICE (Cont'd)

17.1.3 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 pertaining only to the provision of LIDB Access Service. These obligations are as follows: (T)

a. LIDB Data Specifications (T)

The Telephone Company's LIDB will contain a record for every working line number and Billed Number group served by the Telephone Company. Other Exchange Carriers who may store their data in the Telephone Company LIDB are requested to provide this data as well.

The Telephone Company will administer its LIDB update process by use of a Data Base Administration System (DBAS). Updates contain information for calling card, collect and bill-to-third Party Alternate Billing Services (ABS) verification. (T)

The Telephone Company generates customer record service order update activity which is electronically transferred to LIDB from the DBAS system. Mechanized updates (e.g., add, delete, modify customer accounts as customers move, order new service, disconnect service, or become delinquent on their account) are processed daily, six (6) days per week, Monday through Saturday. Emergency updates for calling cards reported lost, stolen or otherwise compromised will be made seven (7) days per week, twenty-four (24) hours per day.

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17.1 LINE INFORMATION DATA BASE (LIDB) ACCESS SERVICE (Cont'd)

17.1.3 UNDERTAKING OF THE TELEPHONE COMPANY (Cont'd)

a. LIDB Data Specifications (Cont'd)

(T)

ABS query usage within LIDB is monitored for unusual patterns which may be indicators of abuse or attempted fraud. By using a threshold method, when validation queries for a specific LIDB record reach the Telephone Company established usage threshold level, the number is placed on an exception list and an investigator will determine the validity of the usage. If the usage is determined to be invalid, the investigator will immediately deactivate the record in LIDB.

Usage thresholds will be established by the Telephone Company. Thresholds may vary by class of end user account (e.g., residence, business). Usage thresholds are applied uniformly within LIDB and will monitor combined query usage from all LIDB Access Service Customers.

The Telephone Company will also establish usage thresholds which, when met by query activity to a calling card record, will automatically disable the record in LIDB. The number is placed on an exception list and an investigator will determine validity of the usage. If a calling card is automatically disabled and the usage is determined valid, the calling card will be reactivated in LIDB.

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17. COMMON CHANNEL SIGNALING/SIGNALING SYSTEM 7 (CCS/SS7) DATABASE SERVICES

17.1 LINE INFORMATION DATA BASE (LIDB) ACCESS SERVICE (Cont'd)

17.1.3 UNDERTAKING OF THE TELEPHONE COMPANY (Cont'd)

a. LIDB Data Specifications (Cont'd)

(T)

The Telephone Company will administer its LIDB to insure the provision of acceptable service levels to all customers. During periods of LIDB congestion, an automatic call gapping procedure will be utilized to control such congestion. The automatic call gapping procedure signals the switch and identifies the gap (how long the switch should wait before sending another query) and the duration (how long the switch should continue to perform gapping) according to the level of congestion. For example, during an overload condition, the automatic call gapping procedure will signal the switch when to begin to drop one out of three of the queries received. This call gapping procedure will be applied uniformly to all users of the Telephone Company's LIDB service.

The Telephone Company maintains the right to invoke manual intervention of the automatic call gapping procedure to preserve the integrity of the network.

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17. COMMON CHANNEL SIGNALING/SIGNALING SYSTEM 7 (CCS/SS7) DATABASE SERVICES

17.1 LINE INFORMATION DATA BASE (LIDB) ACCESS SERVICE (Cont'd)

17.1.3 UNDERTAKING OF THE TELEPHONE COMPANY (Cont'd)

b. Provision of Billing Information (T)

LIDB Access Service Queries received at the SCP are accumulated and records are generated identifying the number of queries processed by the originating point code (OPC) of the customer's Operator Service System (OSS) location. This information is delivered to the accounting office via tape or by teleprocessing for processing and billing. The query charges will be accumulated and billed to the LIDB Access Service customer each month. (T)
(T)

The Telephone Company will provide sufficient information with the bill to enable the customer to determine how the billed amount was calculated. Included on the bill will be separate entries displaying the Billed Number Screening (BNS) queries and the Calling Card Number queries.

Other reports may be provided as mutually agreed upon. Such agreements, provided on an individual case basis, may involve additional charges or conditions.

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17.1 LINE INFORMATION DATA BASE (LIDB) ACCESS SERVICE (Cont'd)

17.1.4 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 LIDB Access Service. These obligations are as follows:

(T)

a. LIDB Access Service PIU Reports

(T)

The customer shall provide to the Telephone Company a LIDB Access Service Percent Interstate Usage (PIU) Report in accordance with the provisions specified in Section 2.3.11 preceding.

17.1.5 RATE REGULATIONS

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

a. Description of Rates and Charges

(T)

There are two (2) types of rates and charges that will apply to LIDB Access Service. These are usage rates and nonrecurring charges. These rates and charges are applied as set forth in Sections (1) and (2) following. For billing purposes, each month is considered to have 30 days.

(T)

(1) Usage Rates

(T)

The usage rates (Query Transport and Query) for LIDB Access Service are applicable on a per query basis as described in b. following.

(T)

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17.1 LINE INFORMATION DATA BASE (LIDB) ACCESS SERVICE (Cont'd)

17.1.5 RATE REGULATIONS (Cont'd)

a. Description of Rates and Charges (Cont'd) (T)

(2) Nonrecurring Charges (T)

Nonrecurring charges are one-time charges that apply for a specific activity (i.e., installation or change to an existing service). The nonrecurring charges that apply for installation of LIDB Access Service are described in (a) following. The nonrecurring charges that apply for service rearrangements are described in (b) following. (T)

(a) Establishment of Service (T)

Nonrecurring charges apply for each request for establishment of LIDB Access Service. The nonrecurring charges for the establishment of LIDB Access Service are set forth in Section 8.2 preceding.

(b) Service Rearrangements (T)

Service Rearrangements are changes to existing services which do not result in either a change in the minimum period requirements as set forth in Section 8.2.5 preceding or a change in the location designated by the OPC. (T)

Changes which result in the establishment of new minimum period obligations are treated as a discontinuance of the existing service and establishment of a new service and all applicable nonrecurring charges will apply.

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17. COMMON CHANNEL SIGNALING/SIGNALING SYSTEM 7 (CCS/SS7) DATABASE SERVICES

17.1 LINE INFORMATION DATA BASE (LIDB) ACCESS SERVICE (Cont'd)

17.1.5 RATE REGULATIONS (Cont'd)

a. Description of Rates and Charges (Cont'd) (T)

(2) Nonrecurring Charges (Cont'd) (T)

(b) Service Rearrangements (Cont'd) (T)

Certain service rearrangements, which are administrative in nature (as specified in Section 5.4.1c(3) preceding), will be made without charge except as noted. (T)

Provisions for service rearrangements for which nonrecurring charges will apply are also set forth in Section 5.4.1c(3) preceding. (T)

b. Application of Rates and Charges (T)

Rates and charges for LIDB Access Service are applied as follows:

(1) Query Transport (T)

Query Transport is a usage rate charge which applies to each query routed over transmission facilities between the Telephone Company's STPs in Johnson City, Tennessee and Bristol, Tennessee and the Telephone Company SCP where the LIDB resides. These charges are applied on a per query basis and are accumulated over a monthly period and billed to the customer on a monthly basis.

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17. COMMON CHANNEL SIGNALING/SIGNALING SYSTEM 7 (CCS/SS7) DATABASE SERVICES

17.1 LINE INFORMATION DATA BASE (LIDB) ACCESS SERVICE (Cont'd)

17.1.5 RATE REGULATIONS (Cont'd)

b. Application of Rates and Charges (Cont'd) (T)

(2) Query (T)

A usage rated Query Charge applies to each LIDB query received at the Telephone Company Service Control Point (SCP). Per Query Charges are accumulated over a monthly period and are billed to the customer on a monthly basis.

c. Minimum Periods (T)

LIDB Access Service is provided for a minimum of one (1) month. When service is disconnected prior to the expiration of the minimum period, usage charges are applicable for the balance of the minimum period. If service is disconnected after the minimum period, Usage Charges will be based on the actual number of queries. For the purpose of administering this regulation, with respect to the determination of charges for a fractional part of a month, every month is considered to have thirty (30) days. (T)

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17. COMMON CHANNEL SIGNALING/SIGNALING SYSTEM 7 (CCS/SS7) DATABASE SERVICES

17.1 LINE INFORMATION DATA BASE (LIDB) ACCESS SERVICE (Cont'd)

17.1.6 RATES AND CHARGES

		<u>Rate</u>	
a.	Query Transport - Per query	\$0.0016	(T)
b.	Query - Per Query	0.0366	(T)

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17. COMMON CHANNEL SIGNALING/SIGNALING SYSTEM 7 (CCS/SS7) DATABASE SERVICES

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18. SPECIALIZED NETWORK SERVICES

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18.2.1	310	DESCRIPTION
18.2.2	310	SERVICE COMPONENTS
18.2.3	312	RATE REGULATIONS
18.2.4	312.1	RATES AND CHARGES

(T)

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18. SPECIALIZED NETWORK SERVICES

18.1 GENERAL

Specialized Network Services provide general service arrangements which are not offered under other Sections of this Tariff.

18.2 FRAME RELAY SERVICE

Effective June 1, 2015, CenturyLink's Frame Relay Service will no longer be available to new customers for new orders nor will new orders from existing customers be accepted (except to the extent permitted by term discount plan/contract).

Existing customers of this service will be grandfathered as follows:

- **As of June 1, 2015, month-to-month customers will no longer be able to subscribe to this service.**
- **Existing term discount plans/contracts for this service will not be renewed.**
- **Customers with a term discount plan/contract that expires after June 1, 2015 may retain their Frame Relay Service covered by that term discount plan/contract until the expiration of that term discount plan/contract. If a customer is currently under a term discount plan/contract and wishes to move to another service, cancellation charges will not apply.**

18.2.1 DESCRIPTION

Frame Relay Service (FRS) is a fast packet network that provides the customer high speed access and throughput to different customer addresses. Utilizing statistical multiplexing, the Frame Relay Network enables the customer to allocate circuit bandwidth to applications as needed, rather than assigning fixed channels to specific applications.

Permanent Virtual Connections (PVCs) are logical channels that connect ports on a Frame Relay switch or between Frame Relay switches. PVCs are end-to-end, bi-directional channels that are established and disestablished via the service order process. A separate PVC must be established to each location that the customer desires to transmit data. These PVC channels are virtual because they are established in software tables and do not tie up facilities when not in use. Multiple PVCs can be defined over a single Frame Relay Access Link, thereby providing a single access line the capability to transmit data to multiple destinations.

Physical access to the Telephone Company's Frame Relay Network is provided via a Frame Relay Access Channel Termination. The Telephone Company will provision FRS to support industry standards for the User to Network Interface (UNI) and the Network to Network Interface (NNI).

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(M) Material previously found on this page was moved to Page 311.

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18. SPECIALIZED NETWORK SERVICES

18.2 FRAME RELAY SERVICE (Cont'd)

18.2.1 DESCRIPTION (Cont'd)

(T)(M)

FRS is offered where facilities exist. If it is necessary to construct facilities to satisfy service requests, the service may be provided pursuant to the Telephone Company's Special Construction provisions as set forth in Section 9. preceding.

The Special Access Term Discount Plan (TDP) as described in Section 5.4.11 preceding applies to Frame Relay Access Channel Terminations and Frame Relay Port Connections (UNI and NNI).

18.2.2 SERVICE COMPONENTS

a. Access to the Frame Relay Network

Frame Relay Access Channel Terminations are used to provide transport from the customer premises to the FRS UNI or NNI Port Connection. Frame Relay Access Channel Terminations are available at speeds of 56.0/64.0 kbps through 1.544 Mbps for the UNI Port Connection and at 1.544 Mbps and 44.736 for the NNI Port Connection. The Frame Relay Access Channel Termination is provided for use only with Frame Relay Service.

b. User to Network Interface (UNI) Port Connection

The User to Network Interface (UNI) Port Connection is a standard interface used to connect the end user to the Telephone Company's Frame Relay Network. It receives the data frame from the customer's network or CPE devices and verifies that the customer address destination is valid before relaying the frame.

The UNI Port Connection is available at 56.0/64.0 kbps through 1.544 Mbps. The transmission speed of the UNI Port Connection may not exceed the transmission speed of the Frame Relay Access Channel Termination. One (1) Frame Relay Access Channel Termination is required per UNI Port Connection.

(M)

c. Network to Network Interface (NNI) Port Connection

The Network to Network Interface (NNI) Port Connection provides a bi-directional polling between the Telephone Company's FRS switch and the Interexchange Carrier's or other customer's frame relay network.

The NNI Port Connection is available at 1.544 Mbps and 44.736 Mbps. The NNI Port Connection must be provided at the same transmission speed as the Frame Relay Access Channel Termination. One (1) Frame Relay Access Channel Termination is required per NNI Port Connection.

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(M) Material moved to this page was previously found on Page 310.

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18. SPECIALIZED NETWORK SERVICES

18.2 FRAME RELAY SERVICE (Cont'd)

18.2.2 SERVICE COMPONENTS (Cont'd)

d. Permanent Virtual Circuits (PVCs)

The PVC provides a software defined electronic path between two (2) port connections within the Frame Relay Network. An UNI or NNI Port Connection can be associated with any number of PVCs. Since all PVCs need not be in use at the same time, it is possible for the total bandwidth of all PVCs associated with one (1) Port Connection to exceed the bandwidth of the Port Connection. It is not possible, however, for the simultaneous aggregate of the PVCs throughput to exceed the bandwidth of the Port Connection. Such a relationship is referred to as over-subscription or overbooking, and when this occurs, there can be no guarantee that the bandwidth defined for that PVC will be available at any point in time.

e. Committed Information Rate (CIR)

CIR defines the amount of data throughput on a designated PVC that the Telephone Company will support under normal operating conditions. Any data burst beyond the CIR may be labeled Discard Eligible (DE) if the data transfer rate exceeds the CIR of the PVC being used. If the Frame Relay Network develops congestion, the frames marked DE may be discarded.

18.2.3 RATE REGULATIONS

The Minimum Service Period for Frame Relay Service is one (1) month.

The total number of Frame Relay Permanent Virtual Circuits (PVCs) per port purchased by the customer determines the rate category for all the PVCs per port of that customer. For example, if fifteen (15) PVCs are subscribed, then all fifteen (15) PVCs for that port will be rated at the rate for eleven (11) to twenty (20), since fifteen (15) falls into that range.

When a customer subsequently orders additional PVCs, the sum total of all PVCs subscribed to by that customer shall be used to determine the customer's PVC rate category for all PVCs then subscribed.

When the customer orders additional PVCs, the PVC nonrecurring charge shall apply.

When a change is made to a customer's Frame Relay configuration at the customer's request, the Administrative Nonrecurring Charge shall apply. Such changes are defined as those rearrangements necessary to add, delete or rearrange the customer's configuration, including changes to PVCs. Although multiple changes may be caused by such actions, only one (1) Administrative Charge will apply.

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18. SPECIALIZED NETWORK SERVICES

18.2 FRAME RELAY SERVICE (Cont'd)

18.2.4 RATES AND CHARGES

a. Rates

(1) Frame Relay Access Channel Terminations

	(D)	Monthly Rate	Nonrecurring Charge	
56/65 kbps				
Month-to-Month		\$82.95	\$250.00	(D)
				(D)
Three Year Plan		69.52	0.00	(C)
Five Year Plan		60.83	0.00	(C)
128 kbps				
Month-to-Month		103.00	325.00	(D)
				(D)
Three Year Plan		84.46	0.00	(C)
Five Year Plan		79.31	0.00	(C)
256 kbps				
Month-to-Month		116.00	325.00	(D)
				(D)
Three Year Plan		95.12	0.00	(C)
Five Year Plan		89.32	0.00	(C)
384 kbps				
Month-to-Month		138.50	325.00	(D)
				(D)
Three Year Plan		113.57	0.00	(C)
Five Year Plan		106.65	0.00	(C)
1.544 Mbps				
Month-to-Month		155.00	325.00	(D)
				(D)
Three Year Plan		120.00	0.00	(C)
Five Year Plan	(D)	105.00	0.00	(C)

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18. SPECIALIZED NETWORK SERVICES

18.2 FRAME RELAY SERVICE (Cont'd)

18.2.4 RATES AND CHARGES (Cont'd)

b. User to Network Interface (UNI) Port Connection	(D)	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
56/65 kbps Month-to-Month		\$80.00	\$125.00	(D)
				(D)
Three Year Plan		65.60	0.00	(C)
Five Year Plan		61.60	0.00	(C)
128 kbps Month-to-Month		105.00	200.00	(D)
				(D)
Three Year Plan		86.10	0.00	(C)
Five Year Plan		80.85	0.00	(C)
256 kbps Month-to-Month		175.00	250.00	(D)
				(D)
Three Year Plan		143.50	0.00	(C)
Five Year Plan		134.75	0.00	(C)
384 kbps Month-to-Month		250.00	275.00	(D)
				(D)
Three Year Plan		205.00	0.00	(C)
Five Year Plan		192.50	0.00	(C)
1.544 Mbps Month-to-Month		425.00	350.00	(D)
				(D)
Three Year Plan		348.50	0.00	(C)
Five Year Plan	(D)	327.25	0.00	(C)

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18. SPECIALIZED NETWORK SERVICES

18.2 FRAME RELAY SERVICE (Cont'd)

18.2.4 RATES AND CHARGES (Cont'd)

	(D)	Monthly Rate	Nonrecurring Charge	
c. Network to Network Interface (NNI) Port Connection (Cont'd)				
1.544 Mbps Month-to-Month		\$425.00	\$350.00	(M)
Three Year Plan		348.50	0.00	(D)
Five Year Plan		327.25	0.00	(D)
44.736 Mbps Month-to-Month		2,400.00	725.00	(C)
Three Year Plan		1,760.00	0.00	(M)
Five Year Plan		1,540.00	0.00	(D)
d. Frame Relay Permanent Virtual Circuit (PVC) Per Port, Per PVC,				
1 to 10 PVCs		12.00	10.00	
11 to 20 PVCs		10.00	10.00	
21 or more PVCs		8.00	10.00	
e. Administrative Charge	(D)	NONE	50.00	

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NORTH CAROLINA
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19. PRICE FLEXIBILITY SWITCHED ACCESS SERVICE

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19. PRICE FLEXIBILITY SWITCHED ACCESS SERVICE

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19. PRICING FLEXIBILITY SWITCHED ACCESS SERVICE

19.1 General Regulations

- (A) This section of the tariff provides the regulations, rates and charges applicable to dedicated switched transport services provided by the Telephone Company in the Metropolitan Statistical Areas (MSAs) for which the Telephone Company has received Phase II pricing flexibility pursuant to Subpart H of Part 69 of the Federal Communications Commission's rules. The specific MSAs for which pricing flexibility has been granted are listed in Section 19.3 following.
- (B) The pricing flexibility dedicated switched transport services provided in MSAs pursuant to this section include:
- Voice Grade, DS1 and DS3 Entrance Facilities
 - Voice Grade, DS1 and DS3 Direct-Trunked Transport
 - Dedicated Trunk Ports
 - DS1 to Voice and DS3 to DS1 Multiplexing
 - Switched Transport Installation
 - CCS/SS7 Interconnection Service

The general regulations, service descriptions, optional features, service provisioning, obligations of the Telephone Company and customer, and rate regulations set forth in Sections 4.1 through 4.6 preceding for switched access services are applicable to the pricing flexibility services specified in this section. Where the regulations in Section 6 conflict with those set forth in this section, the regulations specified herein for the provision of switched access services in the Telephone Company's pricing flexibility MSAs will supersede any inconsistencies.

- (C) Unless otherwise provided in this section, the regulations set forth in Sections 1, 2, 5, and 13 are applicable to switched access services provided in the Telephone Company's pricing flexibility MSAs.

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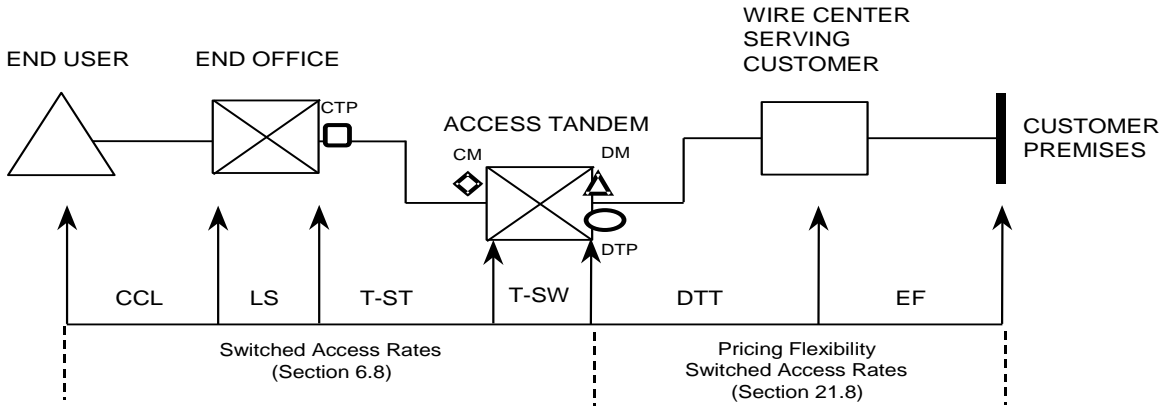
19. PRICING FLEXIBILITY SWITCHED ACCESS SERVICE (Cont'd)

19.2 Application of Rates and Charges

The rates and charges for switched access services provided in pricing flexibility MSAs are set forth in 19.4 following. Rates and charges for the non-flexibility service areas are set forth in Section 6.8 preceding. When switched access service in a pricing flexibility MSA is provided under a zone density plan as set forth in Section 6.7.18, channel mileage will be deemed to be offered in the highest priced zone.

The following examples depict a typical switched dedicated point-to-point service provided within a pricing flexibility MSA, and between a pricing flexibility MSA and a non-flexibility service area.

(A) Switched Access Service within a Pricing Flexibility MSA



- CCL: CARRIER COMMON LINE
- LS: LOCAL SWITCHING
- T-ST: TANDEM-SWITCHED TRANSMISSION (FIXED & PER MILE)
- T-SW: TANDEM SWITCHING
- DTT: DIRECT-TRUNKED TRANSPORT
- EF: ENTRANCE FACILITY
- CTP: COMMON TRUNK PORT
- CM: COMMON TRANSPORT MULTIPLEXING
- DTP: DEDICATED TRUNK PORT
- DM: DEDICATED MULTIPLEXING

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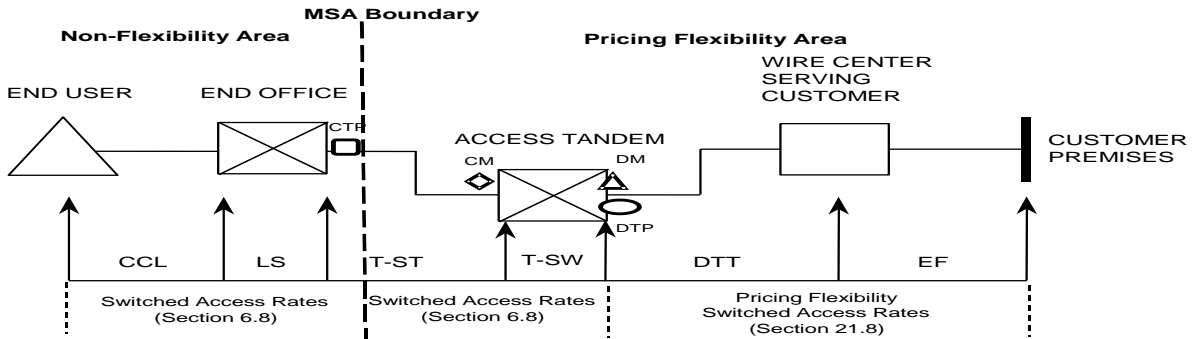
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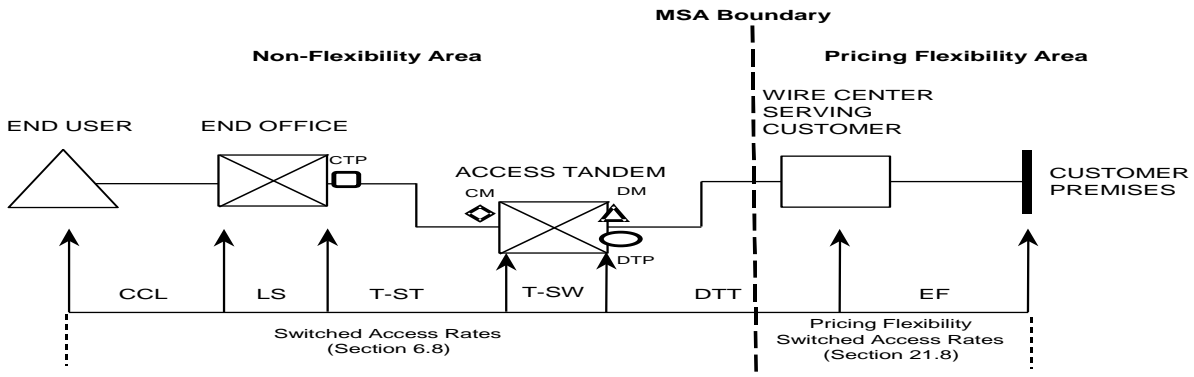
19.2 Application of Rates and Charges (Cont'd)

(B) Switched Access Service between a Pricing Flexibility MSA and a Non-Flexibility Area



- CCL: CARRIER COMMON LINE
- LS: LOCAL SWITCHING
- T-ST: TANDEM-SWITCHED TRANSMISSION (FIXED & PER MILE)
- T-SW: TANDEM SWITCHING
- DTT: DIRECT-TRUNKED TRANSPORT
- EF: ENTRANCE FACILITY
- CTP: COMMON TRUNK PORT
- CM: COMMON TRANSPORT MULTIPLEXING
- DTP: DEDICATED TRUNK PORT
- DM: DEDICATED MULTIPLEXING

(C) Switched Access Service between a Pricing Flexibility MSA and a Non-Flexibility Area



- CCL: CARRIER COMMON LINE
- LS: LOCAL SWITCHING
- T-ST: TANDEM-SWITCHED TRANSMISSION (FIXED & PER MILE)
- T-SW: TANDEM SWITCHING
- DTT: DIRECT-TRUNKED TRANSPORT
- EF: ENTRANCE FACILITY
- CTP: COMMON TRUNK PORT
- CM: COMMON TRANSPORT MULTIPLEXING
- DTP: DEDICATED TRUNK PORT
- DM: DEDICATED MULTIPLEXING

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19. PRICING FLEXIBILITY SWITCHED ACCESS SERVICE (Cont'd)

19.3 Metropolitan Statistical Areas (MSAs)

NORTH CAROLINA – Hickory MSA

Zone 1		Zone 2	
<u>End Office</u>	<u>CLLI</u>	<u>End Office</u>	<u>CLLI</u>
Bethlehem	BHLHNCXA	None	None
Catawba	CTWBNCXA		
Granite Falls	GRFLNCXA		
Hickory	HCKRNCXA		
Hickory	HCKRNCXB		
Hildebran	HLDBNCXB		
Mountain View	MTVWNCXA		
Sherrills Ford	SHFRNCXA		
Valdese	VLDSNCXA		

(N)

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19. PRICING FLEXIBILITY SWITCHED ACCESS SERVICE

19.4 Rates and Charges

19.4.1 Switched Transport

(A) Entrance Facilities

(1) Voice Grade

- Per Point of Termination

- Two Wire

MSA	Monthly Rate	Nonrecurring Charge
Hickory	\$60.00	\$135.00

- Four Wire

MSA	Monthly Rate	Nonrecurring Charge
Hickory	\$89.00	\$135.00

(2) DS1 – Per DS1

	Monthly Rates			Nonrecurring Installation Charge
	Within CO	0 – 3 Miles	Over 3 Miles	
Hickory Zone 1	\$165.00	\$210.00	\$240.00	\$700.00

(3) DS3 – Per Point of Termination

	Monthly Rates			Nonrecurring	
	Within CO	0 – 3 Miles	Over 3 Miles	Installation Charge	Rearrangement Charge
Hickory Zone 1	\$1,000.00	\$1,900.00	\$3,030.00	\$800.00	\$400.00

(N)

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19. PRICING FLEXIBILITY SWITCHED ACCESS SERVICE

19.4 Rates and Charges

19.4.1 Switched Transport

(A) Entrance Facilities (Cont'd)

(4) OptiPoint 3 with Telephone Company Provided Terminal Equipment

	Monthly Rates			Nonrecurring Installation Charge
	Within CO	0 – 3 Miles	Over 3 Miles	
Hickory Zone 1				
1 Year	\$1,918.00	\$3,295.00	\$4,977.00	\$4,130.00
3 Year	1,665.00	2,775.00	4,320.00	0.00
5 Year	1,500.00	2,498.00	3,890.00	0.00

(5) OptiPoint 3 **without** Telephone Company Provided Terminal Equipment

	Monthly Rates			Nonrecurring Installation Charge
	Within CO	0 – 3 Miles	Over 3 Miles	
Hickory Zone 1				
1 Year	\$1,140.00	\$2,506.00	\$4,188.00	\$3,200.00
3 Year	990.00	2,110.00	3,635.00	0.00
5 Year	890.00	1,900.00	3,275.00	0.00

(6) OptiPoint 12 with Telephone Company Provided Terminal Equipment

	Monthly Rates			Nonrecurring Installation Charge
	Within CO	0 – 3 Miles	Over 3 Miles	
Hickory Zone 1				
1 Year	\$2,304.00	\$3,571.00	\$5,374.00	\$11,520.00
3 Year	2,000.00	3,100.00	4,665.00	0.00
5 Year	1,800.00	2,800.00	4,200.00	0.00

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19. PRICING FLEXIBILITY SWITCHED ACCESS SERVICE

19.4 Rates and Charges

19.4.1 Switched Transport

(A) Entrance Facilities (Cont'd)

(7) OptiPoint 12 without Telephone Company Provided Terminal Equipment

	Monthly Rates			Nonrecurring Installation Charge
	Within CO	0 – 3 Miles	Over 3 Miles	
Hickory Zone 1				
1 Year	\$1,394.00	\$2,684.00	\$4,464.00	\$10,080.00
3 Year	1,210.00	2,330.00	3,875.00	0.00
5 Year	1,090.00	2,105.00	3,490.00	0.00

(8) OptiPoint 48 with Telephone Company Provided Terminal Equipment

	Monthly Rates		
	Within CO	0 – 3 Miles	Over 3 Miles
Hickory Zone 1			
3 Year	\$6,500.00	\$9,500.00	\$13,700.00
5 Year	5,900.00	8,550.00	13,000.00

(9) OptiPoint 48 without Telephone Company Provided Terminal Equipment

	Monthly Rates		
	Within CO	0 – 3 Miles	Over 3 Miles
Hickory Zone 1			
3 Year	\$3,900.00	\$6,365.00	\$9,800.00
5 Year	3,600.00	6,080.00	9,300.00

(10) STS1 (51.84 Mbps) – Per Point of Termination

	Monthly Rates			Nonrecurring Installation Charge	Nonrecurring Rearrangement Charge
	Within CO	0 – 3 Miles	Over 3 Miles		
Hickory Zone 1	\$1,000.00	\$1,546.00	\$2,521.00	\$325.00	\$162.50

(N)

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19. PRICE FLEXIBILITY SWITCHED ACCESS SERVICE

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19. PRICING FLEXIBILITY SWITCHED ACCESS SERVICE

19.4 Rates and Charges

19.4.1 Switched Transport

(A) Entrance Facilities (Cont'd)

(11) OptiPoint 192 with Telephone Company Provided Terminal Equipment

		Monthly Rates		
		Within <u>CO</u>	0 – 3 <u>Miles</u>	Over 3 <u>Miles</u>
Hickory Zone 1				
3 Year		\$15,510.30	\$23,663.20	\$34,178.00
5 Year		14,103.80	21,509.80	31,074.00

(12) OptiPoint 192 **without** Telephone Company Provided Terminal Equipment

		Monthly Rates		
		Within <u>CO</u>	0 – 3 <u>Miles</u>	Over 3 <u>Miles</u>
Hickory Zone 1				
3 Year		\$9,467.20	\$16,829.50	\$24,453.70
5 Year		8,603.90	15,296.90	22,232.40

(N)

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19. PRICE FLEXIBILITY SWITCHED ACCESS SERVICE

(N)

19. PRICING FLEXIBILITY SWITCHED ACCESS SERVICE (Cont'd)

19.4 Rates and Charges (Cont'd)

19.4.1 Switched Transport (Cont'd)

(B) Direct-Trunked Transport

(1) Voice Grade

- Per Channel

MSA	Monthly Rates	
	Fixed	Per Mile
Hickory	\$32.00	\$2.00

(2) DS1 – Per DS1

MSA	Monthly Rates	
	Fixed	Per Mile
Hickory Zone 1	\$120.00	\$11.65

(3) DS3 – Per DS3

MSA	Monthly Rates	
	Fixed	Per Mile
Hickory Zone 1	\$725.00	\$144.00

(4) OptiPoint 3

MSA	Monthly Rates	
	Fixed	Per Mile
Hickory Zone 1		
1 Year	\$2,329.00	\$156.00
3 Year	1,960.00	132.00
5 Year	1,750.00	120.00

(5) OptiPoint 12

MSA	Monthly Rates	
	Fixed	Per Mile
Hickory Zone 1		
1 Year	\$6,891.00	\$351.00
3 Year	5,982.00	305.00
5 Year	5,652.00	275.00

(N)

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19. PRICE FLEXIBILITY SWITCHED ACCESS SERVICE

(N)

19. PRICING FLEXIBILITY SWITCHED ACCESS SERVICE (Cont'd)

19.4 Rates and Charges (Cont'd)

19.4.1 Switched Transport (Cont'd)

(B) Direct-Trunked Transport

(4) OptiPoint 48

MSA	Monthly Rates	
	Fixed	Per Mile
Hickory		
Zone 1		
3 Year	\$13,020.00	\$825.00
5 Year	11,718.00	770.00

(5) OptiPoint 192

MSA	Monthly Rates	
	Fixed	Per Mile
Hickory		
Zone 1		
3 Year	\$24,739.90	\$1,493.80
5 Year	22,489.50	1,358.00

(6) STS1 (51.84 Mbps) – Per STS1

MSA	Monthly Rates	
	Fixed	Per Mile
Hickory		
Zone 1		
	\$725.00	\$144.00

(C) Tandem Switched Transport

(1) Dedicated Trunk Port

(a) Per DSO

MSA	Monthly Rate
Hickory	\$7.50

(b) Per DS1

MSA	Monthly Rate
Hickory	\$180.00

(N)

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19. PRICE FLEXIBILITY SWITCHED ACCESS SERVICE

(N)

19. PRICING FLEXIBILITY SWITCHED ACCESS SERVICE (Cont'd)

19.4 Rates and Charges (Cont'd)

19.4.1 Switched Transport (Cont'd)

(D) Optional Features

(1) Multiplexing

(a) DS1 to Voice Grade

MSA	Monthly Rates	Nonrecurring Charges
Hickory Zone 1	\$350.00	\$151.00

(b) DS3 to DS1

MSA	Monthly Rates	Nonrecurring Charges
Hickory Zone 1	\$389.00	\$150.00

(c) STS1 to DS1

MSA	Monthly Rates	Nonrecurring Charges
Hickory Zone 1	\$389.00	\$250.00

(2) OptiPoint Configuration Node – Per Arrangement

MSA	1 Year	3 Year	5 Year
Hickory Zone 1			
OC3	\$202.00	\$185.00	\$161.00
OC12	922.00	830.00	749.00
OC48	900.00	890.00	780.00
OC192	2,880.00	2,677.20	2,429.90

(N)

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19. PRICE FLEXIBILITY SWITCHED ACCESS SERVICE

(N)

19. PRICING FLEXIBILITY SWITCHED ACCESS SERVICE (Cont'd)

19.4 Rates and Charges (Cont'd)

19.4.1 Switched Transport (Cont'd)

(D) Optional Features

(3) OptiPoint 3 Configuration Card

MSA	Monthly Rates – Per Card		
	1 Year	3 Year	5 Year
Hickory			
Zone 1			
DS1	\$23.00	\$20.00	\$15.00
DS3	69.00	60.00	55.00
OC3 Concatenated	397.00	325.00	300.00
STS1	75.00	65.00	60.00

(4) OptiPoint 12 Configuration Card

MSA	Monthly Rates – Per Card		
	1 Year	3 Year	5 Year
Hickory			
Zone 1			
DS1	\$23.00	\$20.00	\$16.00
DS3	69.00	60.00	55.00
OC3	184.00	160.00	145.00
OC3 Concatenated	282.00	245.00	205.00
OC12 Concatenated	3,544.00	3,076.00	2,800.00
STS1	75.00	65.00	60.00

(5) OptiPoint 48 Configuration Card

MSA	Monthly Rates – Per Card	
	3 Year	5 Year
Hickory		
Zone 1		
DS3	\$125.00	\$110.00
OC3	400.00	300.00
OC12	600.00	475.00
OC3 Concatenated	440.00	330.00
OC12 Concatenated	660.00	525.00
STS1	150.00	135.00

(N)

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19. PRICE FLEXIBILITY SWITCHED ACCESS SERVICE

19. PRICING FLEXIBILITY SWITCHED ACCESS SERVICE (Cont'd)

19.4 Rates and Charges (Cont'd)

19.4.1 Switched Transport (Cont'd)

(D) Optional Features

(6) OptiPoint 192 Configuration Card

MSA	Monthly Rates – Per Card	
	3 Year	5 Year
Hickory		
Zone 1		
DS3	\$ 164.90	\$ 150.00
OC3	417.10	378.30
OC12	664.50	601.40
OC48	1,993.40	1,804.20
OC3 Concatenated	460.80	417.10
OC12 Concatenated	732.40	664.50
OC48 Concatenated	2,197.10	1,993.40
STS1	203.70	184.30

(7) OptiPoint 3, 12, 48 & 192 Service Upgrade
Per DS1 or DS3 Upgraded

Nonrecurring Charge \$1,000.00

(8) OptiPoint Reconfiguration Charge
Per DS3 Equivalent

Nonrecurring Charge \$ 625.00

(9) OptiPoint Regeneration Charge

MSA	Monthly Rates – Per Card		
	1 Year	3 Year	5 Year
Hickory			
OC3	\$1,680.00	\$1,400.00	\$1,200.00
OC12	3,000.00	2,500.00	2,200.00
OC48		4,500.00	4,200.00
OC192		6,875.00	6,250.00

(M) Material previously found on this page was moved to Page 15.

(M)
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(M)

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19. PRICE FLEXIBILITY SWITCHED ACCESS SERVICE

19. PRICING FLEXIBILITY SWITCHED ACCESS SERVICE (Cont'd)

19.4 Rates and Charges (Cont'd)

19.4.1 Switched Transport (Cont'd)

	<u>Nonrecurring Charge</u> [1]	
(E) <u>Installation – Per Line or Trunk</u>		
MSA		
Hickory	\$22.00 (I)	(Z)
(F) <u>Access Order Charge – Per Order</u>		
MSA		
Hickory	\$40.00	
(G) <u>Design Change Charge – Per Order</u>		
MSA		
Hickory	\$13.50	

[1] 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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19. PRICE FLEXIBILITY SWITCHED ACCESS SERVICE

19. PRICING FLEXIBILITY SWITCHED ACCESS SERVICE (Cont'd)

19.4 Rates and Charges (Cont'd)

19.5.1 Local Switching

(A)	Trunk Port [1]		(T)
	DS0, per channel	\$ 3.75 (R)	(C)
	DS1	\$90.00 (R)	(C)

[1] The End Office Dedicated Trunk Port rate was calculated based upon 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. 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. The DS0 Originating portion of the charge is \$3.75 and the DS1 Originating portion of the charge is \$90.00. (T)

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NORTH CAROLINA

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19. THIS SECTION RESERVED FOR FUTURE USE

19 This Section Reserved for future use.

ACCESS SERVICE TARIFF

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NORTH CAROLINA

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2nd Revised Contents Page 1
Cancels 1st Revised Contents Page 1
EFFECTIVE: June 17, 2009

20. COLLOCATION SERVICES

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20.4 <u>NETWORK COMPATIBILITY AND STANDARDS</u>	338	
20.5 <u>PHYSICAL COLLOCATION*</u>	338	(C)
20.6 <u>RESERVED FOR FUTURE USE</u>	339.6	(C)
20.7 <u>RATES AND CHARGES</u>	339.8	

* Effective June 17, 2009, Physical Collocation will no longer be available to new customers requesting arrangements at new locations. Physical Collocation is limited to existing customers purchasing Physical Collocation service as of June 17, 2009 at offices where they currently exist.

(N)
|
(N)

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3rd Revised Page 330
Cancels 2nd Revised Page 330
EFFECTIVE: June 17 2009

20. COLLOCATION SERVICES

The Telephone Company will provide Collocation Services in conjunction with the Switched Access and Special Access Services provided in Sections 4. and 5. preceding, in conjunction with the Frame Relay Services provided in Section 18. preceding and in conjunction with other Telephone Company provided interconnection services. Collocation Services are defined as Physical Collocation# for expanded and local interconnection.

(C)

20.1 BASIC SERVICE DESCRIPTION

a. Physical Collocation#

(C)

Physical Collocation provides an Interconnector* with enclosed space and associated requirements such as power and environmental conditioning within a Telephone Company premises** to locate certain fiber optic, microwave or other wireless facilities and equipment, and a connection to certain Telephone Company provided services.

b. Reserved For Future Use

(C)

(D)

(D)

c. Rate Categories

Collocation Services consist of the rate categories described generally below. Specific regulations governing the provision of these rate elements are set forth in Section 20.5 following for Physical Collocation.

(C)

(C)

(1) Application Fee

The Application Fee is a nonrecurring charge that recovers the cost of processing the application for Collocation and provides for the preliminary work needed to determine if Telephone Company premises space and facilities are available to meet the Interconnector's collocation request. The Application Fee will be assessed once for each application submitted per Telephone Company premises, and is not dependent upon the amount of collocation space requested.

(2) Floor Space

The Floor Space rate element is assessed on a per square foot per month basis and provides for the use of Telephone Company premises equipment areas occupied by the Interconnector. Floor space includes associated environmental support systems such as AC power, lighting, heating and air conditioning.

Effective June 17, 2009, Physical Collocation will no longer be available to new customers requesting arrangements at new locations. Physical Collocation is limited to existing customers purchasing Physical Collocation service as of June 17, 2009 at offices where they currently exist.

(N)

(N)

* For purposes of this Section, the term "Interconnector" is defined as any requesting Telecommunications Carrier per Section 251 of the Telecommunications Act of 1996 and is further explained in FCC Docket No. 96-98, Paragraph 611. Enhanced Service Providers are not covered by this offering as indicated in FCC Docket No. 96-98, Paragraph 581.

** For purposes of this Section, the term "Telephone Company premises" includes Telephone Company central offices, serving wire centers and access tandems, as well as all buildings or similar structures owned or leased by the Telephone Company that house Telephone Company network facilities.

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20. COLLOCATION SERVICES

20.1 BASIC SERVICE DESCRIPTION (Cont'd)

c. Rate Categories (Cont'd)

(3) Roof Space

The Roof Space rate element is assessed on a per square foot per month basis and provides for the use of space on the exterior of the Telephone Company premises where the Interconnector has installed microwave or other wireless antenna facilities.

(4) Transmitter/Receiver Space

The Transmitter/Receiver Space rate element is assessed on a per square foot per month basis and provides for the Interconnector's use of Telephone Company premises equipment areas for the placement of microwave or other wireless transmitter/receiver equipment. Transmitter/receiver space includes associated environmental support systems such as AC power, lighting, heating and air conditioning.

(5) DC Power

The DC Power rate element consists of both a recurring monthly rate and a nonrecurring charge. The nonrecurring charge recovers the cost of delivering Telephone Company DC power to the Interconnector's collocation space and is assessed per foot of power lead provided to the security enclosure occupied by the Interconnector. A separate power lead is required for each seven (7) foot equipment bay located in the Interconnector's security enclosure. The recurring monthly rate recovers the cost of providing 48 volt DC power to the Interconnector's collocation space, and is assessed per fuse ampere ordered.

(6) Security Enclosure

The Security Enclosure rate element is a nonrecurring charge assessed on a per enclosure basis and provides for the construction of a lockable, eight (8) foot high, wire mesh security fence surrounding the perimeter of the Interconnector's collocation space. Security enclosures are available in one hundred (100) and two hundred (200) square foot sizes. Security enclosures or their equivalent are required for Physical Collocation arrangements.

(7) Conduit Space - Per Foot

The Conduit Space - Per Foot rate element is assessed on a per linear foot per month basis and provides for the Interconnector's use of conduit duct space from the designated interconnection point to the Interconnector's collocation space.

(8) Conduit Space - Vault

The Conduit Space - Vault rate element is assessed on a per foot of a 9-conduit vault per month basis and provides for the Interconnector's use of the Telephone Company's cable vault and supporting structures.

(N)
(N)

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20. COLLOCATION SERVICES

(N)

20.1 BASIC SERVICE DESCRIPTION (Cont'd)

c. Rate Categories (Cont'd)

(9) Electrical Cross-Connect

The Electrical Cross-Connect rate element is assessed on a per connection per month basis and recovers the cost of connecting the Interconnector's terminating equipment to other services provided by the Telephone Company. Electrical Cross-Connections are available at the DS0, DS1 and DS3 levels.

(10) Riser Space

The Riser Space rate element is assessed on a per foot per month basis and provides a cable path between the cable vault and the Interconnector's collocation space.

(11) Diverse Riser Space

The Diverse Riser Space rate element is assessed on a per foot per month basis and provides a second cable path between the cable vault and the Interconnector's collocation space.

(12) Internal Cabling

The Internal Cabling rate element is assessed on a per linear foot of 4-fiber cable per month basis and recovers the cost of cabling, both 4-fiber and coaxial as necessary, from the point of interconnection outside the Telephone Company premises (when that point of interconnection is a manhole near the Telephone Company premises) to the Interconnector's terminating equipment in the Telephone Company premises.

(13) Internal Conduit

The Internal Conduit rate element is assessed on a per linear foot per month basis and recovers the cost of 12-fiber conduit and riser from the point of interconnection outside the Telephone Company premises (when that point of interconnection is a manhole near the Telephone Company premises) to the Interconnector's terminating equipment in the Telephone Company premises.

(14) External Cabling and Conduit

The External Cabling and Conduit rate element is assessed on a per one-fourth (1/4) mile per 4-fiber cable per month basis and recovers the cost of 4-fiber cabling and conduit as necessary from the point of interconnection outside the Telephone Company premises (when that point of interconnection is not a manhole near the Telephone Company premises) to a manhole near the Telephone Company premises.

(15) Cable Pull and Splice

The Cable Pull and Splice rate element is assessed based on per half hour additional labor rates and recovers the cost of Telephone Company personnel pulling the Interconnector's fiber optic cable from the interconnection point in a manhole outside the Telephone Company premises to the cable vault, and splicing the Interconnector's cable to the riser cable in the cable vault.

(N)

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20. COLLOCATION SERVICES

(N)

20.1 BASIC SERVICE DESCRIPTION (Cont'd)

c. Rate Categories (Cont'd)

(16) Installation and Maintenance

The Installation and Maintenance rate element is assessed based on per half hour additional labor rates and recovers the cost of installing and/or maintaining Interconnector provided outside plant (e.g., entrance cable, riser cable and conduit).

(17) Security Escort

The Security Escort rate element is assessed based on per half hour additional labor rates and recovers the cost of Telephone Company personnel accompanying Interconnector's authorized employees, agents and contractors from the time of entry into a Telephone Company premises to the time of departure.

(18) Interconnection Rearrangement

The Interconnection Rearrangement rate element is a nonrecurring charge assessed when an existing Telephone Company provided High Capacity Service or Multiplexing High Capacity Service is reconfigured into a High Capacity Service under a Collocation arrangement or vice versa, or from one Collocation arrangement to another within the same Telephone Company premises.

(19) High Frequency Tie Cables

High Frequency Tie Cables provide a transmission path from an Interconnector's collocation space located within the facilities of the Telephone Company to the DSX1 Jack Panels of the Telephone Company. They can provide an intraoffice transmission path from the collocation space of one Interconnector to the collocation space of another Interconnector, utilizing the DSX1 Jack Panel as an interconnection point serving as the point of demarcation between the Interconnectors. High Frequency Tie Cables can also provide a transmission path for the interconnection of Carrier facilities to tariffed Access Services of the Telephone Company.

(20) Digital System Cross-Connection (DSX1) Jack Panel

A Digital System Cross-Connection (DSX1) Jack Panel is a trunk side connection and is the point where the facilities of the Interconnector are wired and permitted to interconnect with the facilities of the Telephone Company at the DS1 channel level. DSX1 Jack Panels also serve as the intraoffice termination point where the intraoffice facilities of one Interconnector are connected to the intraoffice facilities of another Interconnector utilizing High Frequency Tie Cables. The DSX1 Jack Panel serves as the demarcation point between the facilities of the Telephone Company and the Interconnector, or between the facilities of different Interconnectors.

(21) Switchboard Cable Connection

The Switchboard Cable Connection is a line side connection from the horizontal side of the Telephone Company's central office mainframe to the Interconnector's collocation space for line side connection. The Switchboard Cable Connection includes a 100 ft./100 pair cable and a 100-pin connecting block. Virtual Switchboard Cable Connection includes the recurring cost of Floor Space and DC Power.

(N)

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20. COLLOCATION SERVICES

(N)

20.1 BASIC SERVICE DESCRIPTION (Cont'd)

c. Rate Categories (Cont'd)

(22) DSX3 Cross-Connection Shelf Pair

The DSX3 Cross-Connection (DSX3) Shelf is a trunk side connection and, along with the DSX3 Cross-Connection Module, is the point where the facilities of the Interconnector are wired and permitted to interconnect with the facilities of the Telephone Company at the DS3 channel level. A DSX3 Cross-Connection Shelf and Modules also serve as the intraoffice termination point where the intraoffice facilities of one Interconnector are connected to the intraoffice facilities of another Interconnector utilizing High Frequency Coax DS3 Connecting Cables. The DSX3 Cross-Connection Shelf and Module serve as the demarcation point between the facilities of the Telephone Company and the Interconnector, or between the facilities of different Interconnectors. For each DSX3 Cross-Connection, a DSX3 Cross-Connection Shelf Pair is required. A DSX3 Cross-Connection Shelf will support up to sixteen (16) DSX3 Cross-Connection Modules.

(23) DSX3 Cross-Connection Module Pair

The DSX3 Cross-Connection (DSX3) Module is a trunk side connection and, along with DSX3 Cross-Connection Shelf, is the point where the facilities of the Interconnector are wired and permitted to interconnect with the facilities of the Telephone Company at the DS3 channel level. DSX3 Cross-Connection Modules and the DSX3 Cross-Connection Shelf also serve as the intraoffice termination point where the intraoffice facilities of one Interconnector are connected to the intraoffice facilities of another Interconnector utilizing High Frequency Coax DS3 Connecting Cables. DSX3 Cross-Connection Modules and a DSX3 Cross-Connection Shelf also serve as the demarcation point between the facilities of the Telephone Company and the Interconnector, or between the facilities of different Interconnectors. For each DSX3 Cross-Connection, a DSX3 Cross-Connection Module Pair is required. Each DSX3 Cross-Connection Shelf accepts up to sixteen (16) DSX3 Cross-Connection Modules.

(24) High Frequency Coax DS3 Connecting Cables

High Frequency Coax DS3 Connecting Cables provide a transmission path from an Interconnector's collocation space located within the facilities of the Telephone Company to the DSX3 Cross-Connection Shelf and Modules of the Telephone Company. They can provide an intraoffice transmission path from the collocation space of one Interconnector to the collocation space of another Interconnector, utilizing the DSX3 Shelf and Modules as an interconnection point serving as the point of demarcation between the Interconnectors. High Frequency Coax DS3 Connecting Cables can also provide a transmission path for the interconnection of Carrier facilities to tariffed Access Services of the Telephone Company.

(25) Optical Cross-Connection Panel

The Optical Cross-Connection Panel is a trunk side connection and is the point where the facilities of the Interconnector are wired and permitted to interconnect with the facilities of the Telephone Company at the OC3, OC12 or OC48 level. The Optical Cross-Connection Panel also serves as the intraoffice termination point where the intraoffice facilities of one Interconnector are connected to the intraoffice facilities of another Interconnector utilizing Fiber Optic Intraoffice Connecting Cables. The Optical Cross-Connection Panel also serves as the demarcation point between the facilities of the Telephone Company and the Interconnector, or between the facilities of different Interconnectors.

(N)

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20. COLLOCATION SERVICES

20.1 BASIC SERVICE DESCRIPTION (Cont'd)

c. Rate Categories (Cont'd)

(26) Fiber Optic Intraoffice Connecting Cable

Fiber Optic Intraoffice Connecting Cables provide a transmission path from an Interconnector's collocation space located within the facilities of the Telephone Company to the Optical Cross-Connection Panels of the Telephone Company. They can provide an intraoffice transmission path from the collocation space of one Interconnector to the collocation space of another Interconnector, utilizing the Optical Cross-Connection Panel as an interconnection point serving as the point of demarcation between the Interconnectors. Fiber Optic Intraoffice Connecting Cables can also provide a transmission path for the interconnection of Carrier facilities to tariffed Access Services of the Telephone Company.

(D)
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(D)

20.2 REGULATIONS

- a. The Telephone Company will provide an electrical interconnection to the Switched or Special Access Services in Sections 4 and 5 preceding, to the Frame Relay Services specified in Section 18 preceding or in conjunction with other Telephone Company provided interconnection services.
- b. Collocation to Switched Access Services is available only from Telephone Company central offices where suitable technical capability exists.
- c. The Telephone Company reserves the right, on thirty (30) days written notice by Certified U.S. Mail, to terminate the interconnection arrangement in the event the Interconnector violates the terms of this Tariff.
- d. The Telephone Company reserves the right, with thirty (30) days notification to the Interconnector, to modify technical, administrative or environmental procedures based on improvements suggested by Collocation use. In the event the Interconnector requests reconsideration of the proposed modifications, the Telephone Company will work cooperatively with the Interconnector to determine if alternative modifications could be implemented.
- e. Facilities and equipment provided by the Interconnector are subject to the terms, conditions and rates specified in this Tariff.

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20. COLLOCATION SERVICES

20.2 REGULATIONS (Cont'd)

- f. An Interconnector that fails to pay any of the charges associated with the provision of Collocation is subject to the Tariff provisions set forth in Section 2.1.8 preceding.
- g. The Credit Allowance for Service Interruptions as set forth in Section 2.4.3 preceding also applies to the Electrical Cross-Connect elements in Collocation.
- h. The provision of Collocation as set forth in this Tariff does not constitute a joint undertaking of the Telephone Company and the Interconnector for the furnishing of any service.
- i. When facilities are not available to meet an order for Collocation, the Telephone Company will construct additional facilities in accordance with the regulations, liabilities, rates and charges for Special Construction as set forth in Section 9. preceding.
- j. The provision of Collocation and its restoration following a service interruption shall comply with the provisions of the Telecommunications Service Priority (TSP) System set forth in Section 7.3.2.1 preceding. In order to meet the emergency requirements of the TSP System, the Telephone Company may rearrange Telephone Company conduit, manholes, cable entrances, riser systems or other Telephone Company facilities occupied by an Interconnector's transport facilities. The Telephone Company will make a reasonable effort to notify the Interconnector of the necessary rearrangements. If an emergency is caused by an act or omission of the Interconnector or by the Interconnector's equipment or facilities, the Interconnector will be charged for correcting the emergency on a time and material basis.
- k. The Telephone Company reserves the right to stop any service when the Telephone Company deems such stoppage necessary by reason of accident or emergency, or for repairs, improvements or as otherwise provided. The Telephone Company will make every reasonable effort to ensure that interruption to the Interconnector's service is avoided. When service interruption is unavoidable, the Telephone Company will provide immediate notification of such stoppage. The Telephone Company does not warrant that any service will be free from interruptions caused by labor controversies, accidents, inability to obtain fuel, water or supplies, governmental regulations or other causes beyond the reasonable control of the Telephone Company.
- l. When an existing Telephone Company provided High Capacity Service or an existing Multiplexed High Capacity Service is reconfigured into a High Capacity Service under a Collocation arrangement or vice versa, or from one Telephone Company provided Collocation arrangement to another within the same Telephone Company premises, an Interconnection Rearrangement Charge as set forth in Sections 20.7a.(25) and b.(10) following will apply for each service reconfigured.
- m. The Interconnector shall not assign or transfer its collocation space, either in whole or in part, or permit the use of any part of the premises by any other person or entity, without the written consent of the Telephone Company. Any purported assignment or transfer made without such consent may be deemed void by the Telephone Company at its option.

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(D)

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20. COLLOCATION SERVICES

(N)

20.3 LIABILITY

- a. The Telephone Company is not responsible for the compatibility of services provided under this Tariff when used in conjunction with Interconnector provided transport facilities, except to the extent that services and facilities provided by the Telephone Company shall comply with industry approved standards.
- b. The Telephone Company is not required to purchase additional land or buildings, relinquish building space forecasted for Telephone Company use, or undertake the construction of new buildings or expansion of existing buildings in order to satisfy an Interconnector's request for Collocation. When undertaking the renovation of existing facilities, or the construction or lease of new facilities, the Telephone Company will take into account Interconnector collocation demand in the same manner in which demand for other services is considered.
- c. The Telephone Company shall not be responsible for changes in technical criteria or facilities, operations or procedures of the Telephone Company which might render Interconnector provided facilities obsolete or require modification, alteration or otherwise affect performance of such equipment or facilities, when such action is consistent with applicable laws, rules, regulations or industry standards. The Telephone Company will make every reasonable effort to ensure that such changes do not adversely affect Interconnector provided facilities. When changes affecting Interconnector provided facilities are unavoidable, the Telephone Company will provide reasonable notification of such modification.
- d. The Telephone Company is not liable for any act or omission of the Interconnector in the furnishing of services to the Interconnector's subscribers or affecting other users of the network or the public.
- e. The Telephone Company is not liable for any omission or error in the application or other documents provided by the Interconnector relative to a request for Collocation, and has no responsibility to verify the accuracy of such information.
- f. The Interconnector shall indemnify, defend and hold the Telephone Company harmless against any claim of libel, slander or infringement of patents or copyrights arising from the improper use of equipment or information transmitted over its facilities.
- g. The Interconnector shall indemnify, defend and hold the Telephone Company harmless against any and all liability including, but not limited to, damage to property, or death or injury to any person(s), directly or indirectly arising out of or caused, in whole or in part, by the Interconnector's acts or omissions or the acts or omissions of any party or individual acting on the Interconnector's behalf.
- h. The Interconnector shall provide the Telephone Company with evidence of sufficient insurance to protect the Telephone Company against any claims for damages as described in d. through g. preceding.
- i. The provisions set forth in this Section apply in addition to any limits, liability or indemnification set forth in other Sections of this Tariff.

(N)

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20. COLLOCATION SERVICES

20.4 NETWORK COMPATIBILITY AND STANDARDS

- a. The operating characteristics of customer transport facilities shall not interfere with any Telephone Company services and are subject to the provisions that said facilities do not:
- (1) Endanger the safety of Telephone Company employees, other Collocation customers or the public;
 - (2) Damage or require change or alteration of Telephone Company equipment or facilities;
 - (3) Interfere with the proper functioning of Telephone Company equipment or facilities; or
 - (4) Impair the operation of the Telephone Company network or otherwise injure any party in its use of Telephone Company services.

The Telephone Company reserves the right, with or without notice, to disconnect any Interconnector's transport facilities which are in violation of the provisions of this Section.

- b. The Interconnector is responsible for ensuring continued technical compatibility with the Telephone Company network. When changes in standards occur or differences exist between technical references, the Interconnector shall follow the more stringent standard.

20.5 PHYSICAL COLLOCATION*

(C)

- a. The Interconnector shall provide to the Telephone Company a written application for the provision of Physical Collocation of fiber optic, microwave or other facilities. The application shall include complete details of the collocation and interconnection requested, including, but not limited to, specific roof space, floor space, power and environmental conditioning requirements. Completed applications must be accompanied by the Application Fee set forth in Section 20.7a(1) following, and will be processed by the Telephone Company within thirty (30) days on a first-come, first-served basis. The Interconnector must begin use of the collocated space within six (6) months of the date of the application or other time period mutually agreed to by the Interconnector and the Telephone Company, or the space must be relinquished to the Telephone Company. The Telephone Company may extend the beginning of use beyond the six (6) month period upon a demonstration by the Interconnector that circumstances beyond the Interconnector's control prevented the six (6) month deadline from being met.
- b. If collocation space is unavailable or an Interconnector withdraws its request, the Application Fee, less the costs incurred by the Telephone Company (e.g., engineering record search and administrative activities required to process the application), will be refunded.
- c. In situations where collocation space and associated requirements are available, Physical Collocation will be provided by the Telephone Company within ninety (90) days, subject to additional time for asbestos removal or extraordinary construction, as specified below:

* Effective June 17, 2009, Physical Collocation will no longer be available to new customers requesting arrangements at new locations. Physical Collocation is limited to existing customers purchasing Physical Collocation service as of June 17, 2009 at offices where they currently exist.

(N)
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(N)

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20. COLLOCATION SERVICES

20.5 PHYSICAL COLLOCATION* (Cont'd)

(C)

c. (Cont'd)

- (1) The Telephone Company shall permit the Interconnector to initially occupy one hundred (100) square foot increments within the Telephone Company premises, up to a maximum of two hundred (200) square feet. If mutually agreed to by the Telephone Company and the Interconnector, increments of space less than one hundred (100) square feet will be permitted. For customers requesting collocation space beyond the two hundred (200) square foot maximum, the Telephone Company will make very effort to provide additional available space dependent upon other outstanding requests for space. Additional collocation space cannot be reserved by the Interconnector for future use. Collocation Floor Space will be charged for on a per square foot basis as set forth in Section 20.7a.(2) following, and includes primary AC power, backup AC power where available, lighting, heating, air conditioning and other environment support which the Telephone Company will provide in the same manner that it provides such support items for its own equipment in the Telephone Company premises.
- (2) For interconnection of microwave or other wireless facilities, the Telephone Company will permit the Interconnector to install antenna facilities on the exterior of the Telephone Company premises (Roof Space) and make available a path for the Interconnector's waveguide and/or coaxial cable (Riser Space - Per Foot). If an asbestos containing area is opened to facilitate the installation of the Interconnector's facilities, the Interconnector shall pay on a time and material basis for correction of any asbestos related situations. Roof Space will be charged for on a per square foot basis as set forth in Section 20.7a.(3) following; the rates for Riser Space - Per Foot are specified in Section 20.7a.(13) following.
- (3) The Telephone Company will designate the location in the Telephone Company premises where the Interconnector's transmitter/receiver equipment shall be placed. Transmitter/Receiver Space will be charged for on a per square foot basis as set forth in Section 20.7a.(4) following, and includes primary and backup AC power, lighting, heating, air conditioning and other environmental support which the Telephone Company will provide in the same manner such support items are provided for its own equipment in the Telephone Company premises. In situations where special work must be completed by the Telephone Company to provide emergency power or environmental support to the Interconnector's transmitter/receiver equipment or antenna, the charges will be calculated and billed to the Interconnector on a time and material basis.
- (4) Electricity shall be provided by the Telephone Company in sufficient amount to provide ordinary lighting, heating and air conditioning of the collocation space. In addition, the Telephone Company shall provide one 15 ampere, 110 volt AC power circuit for the Interconnector's use. In situations where the Interconnector requires higher amperage AC power, the Telephone Company will work cooperatively with the Interconnector to ensure that specific power requirements are met. Should the Interconnector require additional electric capacity, such capacity will be supplied by the Telephone Company. The Interconnector will pay the Telephone Company an additional fee in an amount to be agreed upon by both the Telephone Company and the Interconnector at the time of the request.

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20. COLLOCATION SERVICES

20.5 PHYSICAL COLLOCATION* (Cont'd)

(C)

c. (Cont'd)

- (5) The Telephone Company reserves the right to monitor the Interconnector's use of electricity to determine if the electricity provided is sufficient to support the Interconnector's collocation space. If the Telephone Company determines that the electricity provided to the Interconnector is insufficient to support the Interconnector's collocation space, the Telephone Company may require the installation of additional electrical circuits to provide the Interconnector with additional electricity. The Interconnector shall reimburse the Telephone Company for any expenses incurred in making such additional electrical circuits available to the Interconnector.
- (6) The Telephone Company shall furnish air conditioning and/or other environmental controls for the Interconnector's space in a manner consistent with those provided elsewhere in the building and that responds to the information provided in the Interconnector's application.
- (7) The Telephone Company will provide supplementary air conditioning units or other environmental control devices made necessary solely by the Interconnector's equipment or facilities, and the cost thereof shall be paid by the Interconnector to the Telephone Company.
- (8) If the Telephone Company determines that it is necessary to upgrade the air conditioning and/or other environmental control devices for the building in general, and such upgrade is made necessary by the presence of the Interconnector in the building generally, the cost of such air conditioning units or other environmental control devices shall be allocated between the Telephone Company and the Interconnectors which benefit from the upgrades. Such allocation will be based on a ratio of the number of square feet occupied by each Interconnector to the total square feet of the Telephone Company premises space being upgraded.
- (9) With the exception of day-to-day equipment additions or modifications within existing frames, the Interconnector shall not make installations, alterations or additions in or to the collocation space without submitting plans or specifications to the Telephone Company and securing the prior written consent of the Telephone Company in each instance. Consent shall not be unreasonably withheld or unduly delayed for non-structural interior alterations to the collocation space that do not adversely affect the building's appearance, value, structural strength and mechanical integrity. Such work will be done at the sole expense of the Interconnector.
- (10) The Interconnector shall not interconnect equipment or facilities in its collocation space with equipment or facilities within another Interconnector's collocation space by any means other than through Telephone Company provided services or facilities. The Interconnector shall not provide or make available to any third party any portion of space or location within its collocation space.

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20. COLLOCATION SERVICES

20.5 PHYSICAL COLLOCATION* (Cont'd)

(C)

c. (Cont'd)

- (11) Collocation is provided for the sole purpose of connecting an Interconnector's transport facilities to other Access or interconnection services offered by the Telephone Company, including unbundled local exchange network elements offered to Interconnectors certified as Competitive Local Exchange Service Providers. Connection may only be made with the provision of Collocation and only through the technically feasible interconnection point. The Telephone Company will provide at least two (2) separate points of interconnection to the central office where there are two (2) entry points for the Telephone Company's cable facilities, except for situations where one (1) entry point of a two (2) entry office is filled to capacity. In situations where two (2) points are not immediately available, the Telephone Company shall perform the work necessary to make separate points of entry available to the Interconnector at the same time it makes such points of entry available for itself. Normal Conduit Space Charges as set forth in Sections 20.7a.(8) and (9) following will apply per entry point.
- (12) The Telephone Company will also provide primary and backup DC Power, at the rates set forth in Section 20.7a.(5) following, to the Interconnector's equipment in the same manner that it provides such power to its own equipment within the Telephone Company premises.
- (13) The Telephone Company shall arrange for the construction of, or allow a mutually agreed upon contractor selected by the Interconnector to construct a secure enclosure around the collocated floor space. The enclosure shall consist of a lockable, eight (8) foot high, wire mesh security fence surrounding the perimeter of the Interconnector's collocation space and shall conform to the standards for health, safety and security to which the Telephone Company presently adheres within a Telephone Company premises. The rates for Secure Enclosures constructed by the Telephone Company are set forth in Sections 17.7a.(6) and (7) following. In situations where the Telephone Company must install environmental support to prepare the space for collocation, the charges will also be calculated and billed to the Interconnector on a time and material basis. A secure enclosure is required for Physical Collocation arrangements.
- (14) Except where the Interconnector purchases unbundled local exchange network transmission elements from the Telephone Company, the Interconnector shall bring its fiber optic cable to a manhole or other technically feasible interconnection point and provide sufficient cable length, as mutually determined by the Telephone Company and the Interconnector, to extend the cable into the Telephone Company premises cable entrance(s).
- (15) Except where the Interconnector purchases unbundled local exchange network transmission elements from the Telephone Company, the Interconnector shall provide fire retardant fiber optic riser cable of sufficient length, as jointly determined by the Telephone Company and the Interconnector, to extend from the cable entrance(s) to the designated collocation space.

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20. COLLOCATION SERVICES

20.5 PHYSICAL COLLOCATION* (Cont'd)

(C)

c. (Cont'd)

- (16) The Interconnector shall extend the fiber optic cable from the manhole, or other designated interconnection point, into the Telephone Company premises cable vault and splice the cable to the Interconnector provided dedicated fire retardant splice enclosure and shall tag all facilities to indicate ownership. The Telephone Company shall extend the riser cable through the Telephone Company premises and deliver it to the Interconnector's collocation space. The Telephone Company shall be responsible for providing conduit space (Conduit Space - Per Foot) and cable vault space with support structures (Conduit Space - Vault) at the rates set forth in Sections 20.7a.(8) and (9) following.
- (17) The Interconnector shall bring its microwave or other wireless facilities to an interconnection point designated by the Telephone Company and extend the cable into the Telephone Company premises to the designated collocation space. The Interconnector shall tag all facilities to indicate ownership. The Telephone Company shall be responsible for providing conduit space (Riser Space - Per Foot) at the rates set forth in Section 20.7a.(13) following.
- (18) The Telephone Company shall designate a point of connection (Cross-Connect) where its network connects with the Interconnector's transport facilities in the collocation space. The point of connection defines the physical demarcation between the Interconnector's transport facilities and the Telephone Company's network. The Telephone Company will provide a Cross-Connect at the rates specified in Section 20.7a.(10) through (12) following. The Interconnector is responsible for optical to electrical or speed conversions, multiplexing or any other change required to connect the Interconnector's transport facilities to Telephone Company equipment and facilities at compatible interfaces, levels or speed.
- (19) When the Interconnector orders a DS3, DS1 or Optical Cross-Connect for use with Switched Access Services, the Interconnector must also order appropriate Multiplexing. DS3 to DS1 Multiplexing provides an arrangement that Multiplexes a single DS3 Digital circuit at a rate of 44.736 Mbps to twenty-eight (28) DS1 Digital circuits. DS1 to DS0 Multiplexing provides an arrangement that Multiplexes a single DS1 Digital circuit at a rate of 1.544 Mbps to twenty-four (24) DS0 Digital circuits. The rates for DS3 to DS1 and DS1 to DS0 Multiplexing are set forth in Section 4.7.2d.(4) preceding.
- (20) The Telephone Company will permit the Interconnector to locate certain equipment within the Interconnector's collocated space in the Telephone Company premises including, but not limited to:
 - Optical Line Terminating Multiplexers
 - Central Office Multiplexers
 - Digital Cross-Connect Panels
 - Optical Cross-Connect Panels
 - Digital Loop Carrier
 - Switching Equipment

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20. COLLOCATION SERVICES

20.5 PHYSICAL COLLOCATION* (Cont'd)

(C)

c. (Cont'd)

(N)

(20) (Cont'd)

Equipment not specifically identified above may be located within the Interconnector's collocated space upon written approval from the Telephone Company. In the event of a dispute regarding the placement of an Interconnector's equipment within the Interconnector's collocation space, the Telephone Company shall prove to the state commission that such equipment is not necessary. Equipment located within the Interconnector's collocated space must meet the standards that the Telephone Company applies to its own equipment.

d. The Telephone Company shall permit the Interconnector's authorized employees, agents and contractors to have access to the Interconnector's cable, associated equipment and collocation space at all reasonable times, provided that the Interconnector's employees, agents and contractors comply with Telephone Company policies and practices pertaining to work stoppages, fire, safety and security. The Interconnector's authorized employees, agents and contractors must be accompanied by a Security Escort from the time of entry to a Telephone Company premises to the time of departure, including time spent in common areas such as restrooms. When such security is provided by authorized Telephone Company personnel, the Interconnector will be charged in accordance with the Additional Labor provisions set forth in Section 7.2 preceding. When a third party security agent is employed, the associated charges will be billed to the Interconnector on a pass through basis. With the exception of emergency situations, the Interconnector must provide at least twenty-four (24) hours notice of its intent to enter the Telephone Company premises.

e. The Telephone Company reserves the right to inspect the Interconnector's completed installation of equipment and facilities, and to make subsequent and periodic inspections of the Interconnector's equipment and facilities occupying collocation space and associated entrance conduit and riser space. If the Interconnector is found to be in noncompliance with the terms and conditions set forth in this Section, the Interconnector will be required to modify its installation to ensure compliance. The Telephone Company will notify the Interconnector in advance of such inspections, and the Interconnector shall have the right to be present at the time of inspection.

f. The Interconnector will provide the Telephone Company with access to the collocation space at all times to allow the Telephone Company to react to emergencies, provide services and inspect for compliance with fire, safety and health regulations or standards.

g. For all Interconnector work performed or installed in Telephone Company conduit systems, Telephone Company premises outside the collocation space or other Telephone Company locations used by other parties, the Telephone Company reserves the right to:

(1) Require, at the Telephone Company's sole discretion, a Security Escort chargeable to the Interconnector. The Additional Labor Charges set forth in Section 7.2 preceding will apply for Security Escort Services provided by the Telephone Company.

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20. COLLOCATION SERVICES

20.5 PHYSICAL COLLOCATION* (Cont'd)

(C)

- g. (Cont'd)
- (2) Prohibit the placement of any and all equipment or facilities other than cable in Telephone Company owned or controlled areas.
 - (3) Designate the location of cable splices.
 - (4) Approve all installations.
 - (5) Require that the Interconnector, at its sole expense, obtain any necessary right-of-way or other permits.
- h. The Interconnector is subject to recurring and/or nonrecurring rates and charges for the use of Telephone Company owned or controlled space and facilities, and for installation work functions provided by the Telephone Company. The rates and charges associated with Physical Collocation are set forth in Section 20.7a. following. Nonrecurring charges for Additional Engineering and Labor incurred by the Telephone Company will be calculated on a time and material basis as specified in Section 7. preceding.
- i. At the Telephone Company's option, the Telephone Company may provide facilities or equipment including, but not limited to, conduit, riser supports and termination frames, in such a fashion that the facilities or equipment is shared or used in common with other parties. Requests by an Interconnector for dedicated or special arrangements may result in additional charges.
- j. If mutually agreed to by the Telephone Company and the Interconnector, the Telephone Company will perform Interconnector installation and/or maintenance work functions for an additional fee. The Telephone Company will be responsible for all maintenance and related activities on the Telephone Company side of the space. Telephone Company provided mechanical or fusion splices and other installation functions will be performed using methods consistent with Telephone Company practices. The charges for installation work functions performed by the Telephone Company on behalf of the Interconnector will be calculated on a time and material basis as specified in Section 7. preceding.
- k. In the event the Telephone Company determines that it is necessary for the Interconnector to move its collocated space within a Telephone Company premises or to another Telephone Company premises, the Interconnector is required to comply. The Telephone Company is responsible for the costs associated with the removal, transport and reinstallation of the Interconnector's equipment within the Telephone Company premises.
- l. Should the Interconnector request that its collocated space be moved within the Telephone Company premises or to another Telephone Company premises, the Telephone Company will permit the Interconnector to relocate its collocated space, subject to the availability of space and associated requirements. The Interconnector is solely responsible for the costs associated with the preparation of new collocated space at the new location and for the removal, transport and reinstallation of its equipment.
- m. The Telephone Company and the Interconnector are each responsible for notifying the other of significant outages which could impact or degrade either party's network and services, and provide estimated clearing time for restoral. The Telephone Company and the Interconnector are responsible for testing, cooperatively if necessary, to identify and clear a trouble when the trouble has been sectionalized to the portion of the service each provides.

* Effective June 17, 2009, Physical Collocation will no longer be available to new customers requesting arrangements at new locations. Physical Collocation is limited to existing customers purchasing Physical Collocation service as of June 17, 2009 at offices where they currently exist.

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20. COLLOCATION SERVICES

20.5 PHYSICAL COLLOCATION* (Cont'd)

(C)

- n. If trouble detected by or reported to the Telephone Company results in the Telephone Company dispatching its employees to the Interconnector's collocation space and the trouble is not caused by Telephone Company equipment or facilities, the Interconnector will be no notified and will be liable for the Maintenance or Service Charge as specified in Section 7.3.1 preceding.
- o. The Interconnector and Telephone Company are each responsible for providing to the other a contact list of technical personnel accessible twenty-four (24) hours a day, seven (7) days a week.
- p. In the event that the Interconnector's use of its microwave or other wireless systems cause broadcast interference, the Telephone Company, at its sole discretion, shall have the right to cause the Interconnector to cease the operation of its system until such broadcast interference can be corrected. The Telephone Company shall incur no liability to the Interconnector or any other person as a result of ordering the Interconnector to cease using its system in accordance with the foregoing.
- q. Upon disconnection of service, the Interconnector shall, at its expense, disconnect and remove all Interconnector facilities and equipment from the collocation space and from all other Telephone Company owned or controlled areas in the Telephone Company premises in which the Telephone Company has allowed the Interconnector to place facilities and equipment.

20.6. RESERVED FOR FUTURE USE

(C)

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(D)

* Effective June 17, 2009, Physical Collocation will no longer be available to new customers requesting arrangements at new locations. Physical Collocation is limited to existing customers purchasing Physical Collocation service as of June 17, 2009 at offices where they currently exist.

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20. COLLOCATION SERVICES

20.6 RESERVED FOR FUTURE USE (Cont'd)

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20. COLLOCATION SERVICES

20.6 RESERVED FOR FUTURE USE (Cont'd)

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20.7 RATES AND CHARGES

a. Physical Collocation*

(C)

		<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
(1)	Application Fee		
-	Per Application Per Telephone Company Premises	----	\$3,762.05
(2)	Floor Space		
-	Per Square Foot	\$3.90	----
(3)	Roof Space		
-	Per Square Foot	3.90	----
(4)	Transmitter/Receiver Space		
-	Per Square Foot	3.90	----
(5)	DC Power		
-	Per Fuse Amp	11.04	----
-	Per Power Lead Per Foot	----	27.30
(6)	Security Enclosure		
-	Per 100 Square Foot Enclosure	----	10,198.10
(7)	Security Enclosure		
-	Per 200 Square Foot Enclosure	----	14,277.89

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20. COLLOCATION SERVICES

20.7 RATES AND CHARGES (Cont'd)

a.	Physical Collocation* (Cont'd)	<u>Monthly Rate</u>	(C)
	(8) Conduit Space – Per Foot		
	- Per Linear Foot	\$0.36	
	(9) Conduit Space - Vault		
	- Per Foot of 9-Conduit Vault	1.04	
	(10) DS0 Electrical Cross-Connect		
	- Per Connection	0.86	
	(11) DS1 Electrical Cross-Connect		
	- Per Connection	2.69	
	(12) DS3 Electrical Cross-Connect		
	- Per Connection	23.56	
	(13) Rise Space		
	- Per Foot	3.46	

* Effective June 17, 2009, Physical Collocation will no longer be available to new customers requesting arrangements at new locations. Physical Collocation is limited to existing customers purchasing Physical Collocation service as of June 17, 2009 at offices where they currently exist. (N)
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20. COLLOCATION SERVICES

20.7 RATES AND CHARGES (Cont'd)

a. Physical Collocation* (Cont'd)	Monthly <u>Rate</u>	(C)
(14) Diverse Rise Space		
- Per Foot	\$3.46	
(15) Switchboard Cable Connection		
- 100 Pair/100 Ft./Connecting Block	39.18	
(16) DSX1 Jack Panel Pair	100.06	
(17) High Frequency Cable		
- Per Foot Per DS1	0.27	
(18) DSX3 Cross-Connect Shelf Pair	35.50	
(19) DSX3 Cross-Connect Module Pair		
- Per DS3	48.50	
(20) DS3 High Frequency Coax		
- Per Foot Per DS3	0.79	
(21) Fiber Optic Intraoffice Connecting Cable		
- Per Foot/Four-Fiber Per Two Panel Array	0.05	
(22) Optical Cross-Connection Panel		
- Per Pair	104.56	
(23) Reserved For Future Use		
(24) Reserved For Future Use		

* Effective June 17, 2009, Physical Collocation will no longer be available to new customers requesting arrangements at new locations. Physical Collocation is limited to existing customers purchasing Physical Collocation service as of June 17, 2009 at offices where they currently exist. (N)
|
(N)

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20. COLLOCATION SERVICES

20.7 RATES AND CHARGES (Cont'd)

a. Physical Collocation* (Cont'd)		Nonrecurring <u>Charge</u>	(C)
(25)	Interconnection Rearrangement		
-	Per Service Reconfigured	\$97.56	
(26)	Cable Pull and Splice		
-	Per Half Hour	See Section 7.2 Additional Labor Rates	
(27)	Installation and/or Maintenance		
-	Per Half Hour	See Section 7.2 Additional Labor Rates	
(28)	Security Escort		
-	Per Half Hour	See Section 7.2 Additional Labor Rates	

* Effective June 17, 2009, Physical Collocation will no longer be available to new customers requesting arrangements at new locations. Physical Collocation is limited to existing customers purchasing Physical Collocation service as of June 17, 2009 at offices where they currently exist. (N)
|
(N)

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20. COLLOCATION SERVICES

20.7 RATES AND CHARGES (Cont'd)

b. Reserved For Future Use

(C)

(D)

(D)

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20. COLLOCATION SERVICES

20.7 RATES AND CHARGES (Cont'd)

b. Reserved For Future Use (Cont'd)

(C)

(D)

(D)

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20. COLLOCATION SERVICES

20.7 RATES AND CHARGES (Cont'd)

b. Reserved For Future Use (Cont'd)

(C)

(D)

(D)

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21. RESERVED FOR FUTURE USE

(C)

(D)

(D)

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21. RESERVED FOR FUTURE USE

(C)

(D)

(D)

