

ACCESS SERVICE TARIFF - NCUC NO. 1

FRONTIER COMMUNICATIONS OF THE CAROLINAS LLC
North Carolina
Issued: December 4, 2014
By: Vice President
Rochester, NY

Sixth Revised Title Page 1
 Cancels Fifth Revised Title Page 1
Effective: December 18, 2014

ACCESS SERVICE

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

Frontier Communications of the Carolinas LLC

(T)

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

Whenever in this Tariff the names Frontier Communications of the Carolinas Inc., Verizon South Inc., GTE South Incorporated, Verizon South Inc. d/b/a Verizon North Carolina, Contel of North Carolina, Inc., Contel North Carolina, or the term "Company" appears, that reference shall be deemed to refer to Frontier Communications of the Carolinas LLC. (T)

(T)

FRONTIER COMMUNICATIONS OF THE CAROLINAS INC.
North Carolina

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Rochester, New York

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Cancels Third Revised Contents Page 1
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GTE SOUTH INCORPORATED
 North Carolina (Contel NC)
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d/b/a GTE (North Carolina)
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Durham, North Carolina

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VERIZON SOUTH INC.
d/b/a Verizon North Carolina
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VERIZON SOUTH INC.
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North Carolina

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Weaverville, N.C.**ACCESS SERVICE****TABLE OF CONTENTS**

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EXPLANATION OF SYMBOLS

- (C) - To signify changed regulation
- (D) - To signify discontinued rate, regulation or text
- (I) - To signify increase
- (M) - To signify move from one page to another with no change to text, regulation or tariff
- (N) - To signify new rate, regulation or text
- (O) - To signify obsoleted rate, regulation or text
- (R) - To signify reduction
- (S) - To signify matter already appearing in another part of the tariff and repeated for clarification
- (T) - To signify a change in text but no change in rate or regulation

EXPLANATION OF ABBREVIATIONS

- ac - Alternating current
- AML - Actual Measured Loss
- ANI - Automatic Number Identification
- AP - Program Audio
- ASR - Access Service Request
- AT&T - American Telephone and Telegraph Company
- BD - Business Day
- BHMC - Busy Hour Minutes of Capacity
- CCS7 - Common Channel Signaling System 7
- CAROT - Centralized Automatic Reporting on Trunks
- CI - Changes Interface
- CO - Central Office
- COCTX - Central Office Centrex
- Cont'd - Continued
- CPE - Customer Provided Equipment
- ctx - Centrex
- dB - decibel
- dBrnC - Decibel Reference Noise C-Message Weighting
- dBrnCO - Decibel Reference Noise C-Message Weighted O
- dBv - Decibel(s) Relative to 1 Volt (Reference)
- dBv1 - Decibel(s) Relating to 1 Volt (Reference)
- dc - direct current
- EDD - Envelope Delay Distortion
- ELEPL - Equal Level Echo Path Loss
- EML - Expected Measured Loss

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EXPLANATION OF ABBREVIATIONS (Cont'd)

EPL	-	Echo Path Loss	
ERL	-	Echo Return Loss	
ESS	-	Electronic Switching System	
ESSX	-	Electronic Switching System Exchange	
f	-	frequency	
FID	-	Field Identifier	
FCC	-	Federal Communications Commission	
FX	-	Foreign Exchange	
HC	-	High Capacity	
Hz	-	Hertz	
IC	-	Interexchange Carrier	
ICB	-	Individual Case Basis	
ICL	-	Inserted Connection Loss	
KBPS	-	Kilobits per second	
KHZ	-	Kilohertz	
LATA	-	Local Access and Transport Area	
Ma	-	Milliamperes	
Mbps	-	Megabits per second	
MF	-	Multifrequency	(N)
MHz	-	Megahertz	
MMUC	-	Minimum Monthly Usage Charge	
MRC	-	Monthly Recurring Charge	
MT	-	Metallic	
MTS	-	Message Telecommunications Service(s)	
NPA	-	Numbering Plan Area	
NRC	-	Nonrecurring Charge	
NTS	-	Non-Traffic Sensitive	
NXX	-	Three-Digit Central Office Code	
OTPL	-	Zero Transmission Level Point	
PBX	-	Private Branch Exchange	
PCM	-	Pulse Code Modulation	
PLP	-	Private Line Ringdown	
POT	-	Point of Termination	
rms	-	root-mean-square	
RSM	-	Remote Switching Modules	
RSS	-	Remote Switching Systems	
SRL	-	Singing Return Loss	
SS7	-	Signaling System 7	(N)
SSN	-	Switched Service Network	
STP	-	Signaling Transfer Point	(N)
SWC	-	Serving Wire Center	

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Weaverville, N.C.

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EXPLANATION OF ABBREVIATIONS (Cont'd)

TES - Telephone Exchange Service(s)
TLP - Transmission Level Point
TSPS - Traffic Service Position System
TV - Television
USOC - Uniform Service Order Code
VG - Voice Grade
V & H - Vertical & Horizontal
WA - Wideband Analog
WATS - Wide Area Telecommunications Service(s)
WD - Wideband Data

REFERENCE TO TECHNICAL PUBLICATIONS

The following technical publications are referenced in this tariff and may be obtained from Bell Communications Research, Inc., Distribution Storage Center, 60 New England Avenue, Piscataway, N.J. 08854.

Compatibility Bulletin 106, Issue 2
Issued: December, 1981

Available: March 11, 1982

Technical Reference:

PUB 41451 High Capacity Terrestrial Digital Service
Issued: January, 1983

Available: May 17, 1983

PUB 60101
Issued: December, 1982

Available: January 17, 1983

PUB 41004 Data Communications Using Voiceband Private Line Channels
Issued: October, 1973

Available: October, 1973

PUB 62310 Digital Data System Channel Interface Specification
Issued: September, 1983

Available: October, 1983

PUB 62411 High Capacity Digital Service Channel Interface Specifications
Issued: September, 1983

Available: October, 1983

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 By: John A. Feaster, President
 Weaverville, N.C.

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REFERENCE TO TECHNICAL PUBLICATIONS (Cont'd)

Technical References: (Cont'd)

TR-NPL-000334 Voice Grade Switched Access Service Issued: June, 1986	Available: July, 1986
TR-NPL-000335 Voice Grade Special Access Service Issued: June, 1986	Available: July, 1986
PUB 62501 Addendum Voice Grade Special Access Service Issued: March, 1984	Available: April, 1984
PUB 62502 Narrowband Special Access Service Issued: December, 1983	Available: January, 1984
PUB 62503 Program Audio Special Access Service Issued: December, 1983	Available: March 15, 1984
PUB 62503 Addendum Program Audio Special Access Service Issued: March, 1984	Available: April, 1984
PUB 62504 Television Special Access Service Issued: December, 1983	Available: March 15, 1984
PUB 62504 Addendum Television Special Access Service Issued: March, 1984	Available: April, 1984
PUB 62505 Wideband Analog Special Access Service Issued: December, 1983	Available: January, 1984
PUB 62505 Addendum Wideband Analog Special Access Service Issued: December, 1983	Available: April, 1984
PUB 62506 Wideband Digital Special Access Service Issued: December, 1983	Available: January, 1984
PUB 62507 Digital Data Special Access Service Issued: December, 1983	Available: March 15, 1984

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REFERENCE TO TECHNICAL PUBLICATIONS (Cont'd)

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PUB 62508 High Capacity Digital Special Access Service
Issued: December, 1983 Available: January, 1984

Multiple Exchange Carrier Access Billing Guidelines (MECAB)
Issued: November, 1987 Available: November, 1987

Multiple Exchange Carrier Ordering and Design Guidelines (MECOD)
Issued: November, 1985 Available: November, 1985

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

Telecommunications Transmission Engineering
Volume 2 - Networks and Services (Chapter 6 and 7)
Second Edition, 1980
Issued: June, 1980 Available: June, 1980

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

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

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

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Tariff FCC No. 4

VERIZON SOUTH INC.
d/b/a Verizon North Carolina

Section 1
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BY: Vice President
Durham, North Carolina

1. Application of Tariff

1.1 This tariff contains regulations, rates and charges applicable to the provision of Carrier Common Line, Switched Access and Special Access Services, and other miscellaneous services, hereinafter referred to collectively as service(s), by GTE South Incorporated in the former Contel of North Carolina, Inc. serving area to certified interexchange carriers and Local Exchange Companies. Wherever in this Tariff the name Contel of North Carolina, Inc. or the term Company or Telephone Company appears, that shall mean and shall refer to GTE South Incorporated. (C)

The services identified in this Tariff, with certain exceptions which are identified below, are available to other customers, subject to the same constraints and limitations that are applicable to certified interexchange carriers.¹

- (A) Automatic Number Identification (ANI);
- (B) SS7 Out of Band Signaling; and
- (C) Billing and Collection Services.

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

Note 1: The North Carolina Utilities Commission Order of May 17, 1995, allowed the sale of access services to other customers with certain exceptions. Billing Name and Address Service is an additional service which is not available to customers other than ICs. This service is not available to any customer from this Tariff at this time.

Issued: May 31, 1988
By: John A. Feaster, President
Weaverville, N.C.

Effective: July 1, 1988

2. General Regulations

2.1 Undertaking of the Telephone Company

2.1.1 Scope

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

2.1.2 Limitations

- (A) The customer may not assign or transfer the use of services provided under this tariff; however, where there is no interruption of use or relocation of the services, such assignment or transfer may be made to:
 - (1) Another customer, whether an individual, partnership, association or corporation, provided the assignee or transferee assumes all outstanding indebtedness for such services, and the unexpired portion of the minimum period and the termination liability applicable to such services, if any; or
 - (2) A court-appointed receiver, trustee or other person acting pursuant to law in bankruptcy, receivership, reorganization, insolvency, liquidation or other similar proceedings, provided the assignee or transferee assumes the unexpired portion of the minimum period and the termination liability applicable to such services, if any.

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2. General Regulations (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

2.1.2 Limitations (Cont'd)

(2) (Cont'd)

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

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

- (B) The services offered herein will be provided to customers on a first-come, first-served basis, except as outlined in (C) following.
- (C) When an end office is scheduled to be converted to an equal access end office, and a shortage of facilities exists, the Telephone Company will allocate available resources to participating ICs as set forth in 5.1.5(A) following.

2.1.3 Liability

- (A) The Telephone Company's liability, if any, for its willful misconduct is not limited by this tariff. With respect to any other claim or suit, by a customer or by any others, for damages associated with the installation, provision, termination, maintenance, repair or restoration, of service, and subject to the provisions of (B) through (H) following, the Telephone Company's liability if any, shall not exceed an amount equal to the proportionate charge for the service for the period during which the service was affected. This liability for damages shall be in addition to any amounts that may otherwise be due the customer under this tariff as a Credit Allowance for a Service Interruption.

Contel of North Carolina, Inc.

Section 2
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Issued: May 31, 1988
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Weaverville, N.C.

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2. General Regulations (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

2.1.3 Liability (Cont'd)

- (B) The Telephone Company shall not be liable for any act or omission of any other carrier or customer providing a portion of a service, nor shall the Telephone Company for its own act or omission hold liable any other carrier or customer providing a portion of a service.
- (C) The Telephone Company is not liable for damages to the customer premises resulting from the furnishing of a service, including the installation and removal of equipment and associated wiring, unless the damage is caused by the Telephone Company's negligence.
- (D) The Telephone Company shall be indemnified, defended and held harmless by the IC or end user against any claim, loss or damage arising from the IC or end user's use of services offered under this tariff, involving:
 - (1) Claims for libel, slander, invasion of privacy, or infringement of copyright arising from the IC or end user's own communications.
 - (2) Claims for patent infringement arising from the customer's acts combining or using the service furnished by the Telephone Company in connection with facilities or equipment furnished by the IC or end user or;
 - (3) All other claims arising out of any act or omission of the IC or end user in the course of using services provided pursuant to this tariff.
- (E) The Telephone Company does not guarantee or make any warranty with respect to its services when used in an explosive atmosphere. The Telephone Company shall be indemnified, defended and held harmless by the customer from any and all claims by any person relating to such customer's use of services so provided.

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Weaverville, N.C.

Effective: July 1, 1988

2. General Regulations (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

2.1.3 Liability (Cont'd)

- (F) No license under patents (other than the limited license to use) is granted by the Telephone Company or shall be implied or arise by estoppel, with respect to any service offered under this tariff.
- (G) The Telephone Company 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.
- (H) The Telephone Company's failure to provide or maintain services under this tariff shall be excused by labor difficulties, governmental orders, civil commotions, criminal actions taken against the Telephone Company, acts of God and other circumstances beyond the Telephone Company's reasonable control, subject to the Credit Allowance for a Service Interruption as set forth in 2.4.4 following.

2.1.4 Provision of Services

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

2.1.5 Installation and Termination of Services

The services provided under this tariff (A) will include any entrance cable or drop wiring and wire or intrabuilding cable to that point where provision is made for termination of the Telephone Company's outside distribution network facilities at a location at the customer-designated premises and (B) will be installed by the Telephone Company to such Point of Termination. The Telephone Company will work cooperatively with the customer to determine the location of the Point of Termination in accordance with the Telephone Company's standard operating procedures.

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Weaverville, N.C.

Effective: July 1, 1988

2. General Regulations (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

2.1.5 Installation and Termination of Services (Cont'd)

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

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 rearrange, move, disconnect, remove or attempt to repair any facilities provided by the Telephone Company, other than by connection or disconnection to any interface means used, except with the written consent of the Telephone Company.

2.1.7 Changes, Substitutions and Rearrangements

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

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

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Weaverville, N.C.

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2. General Regulations (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

2.1.7 Changes, Substitutions and Rearrangements (Cont'd)

(D) Change operations or procedures of the Telephone Company.

In case of any such substitution, change or rearrangement, the transmission parameters will be within the range as set forth in 6., 7. and 9. following. The Telephone Company shall not be responsible if any such substitution, change or rearrangement renders any customer furnished services obsolete or requires modification or alteration thereof or otherwise affects their use or performance. If such substitution, change or rearrangement materially affects the operating characteristics of the facility, the Telephone Company will provide reasonable notification to the customer in writing. Reasonable time will be allowed for any redesign and implementation required by the change in operating characteristics. The Telephone Company will work cooperatively with the customer to determine reasonable notification procedures.

2.1.8 Refusal and Discontinuance of Service

Unless the provisions of 2.2.1(B) or 2.5 following apply, if a customer fails to comply with the regulations set forth in: 2.1.6; Maintenance of Service, 2.2.2; Unlawful Use, 2.3.1; Damages, 2.3.4; Availability for Testing, 2.3.5; Balance, and 2.4; Payment Arrangements and Credit Allowances, or fails to make any payment to be made by it on the dates and times herein specified, the Telephone Company may, on thirty (30) days written notice by Certified U.S. Mail to the person designated by that customer to receive such notices of noncompliance:

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

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By: John A. Feaster, President
Weaverville, N.C.

Effective: July 1, 1988

2. **General Regulations (Cont'd)**

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

2.1.8 **Refusal and Discontinuance of Service (Cont'd)**

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

2.1.9 **Limitation of Use of Metallic Facilities**

Signals applied to a metallic facility shall conform to the limitations set forth in Technical Reference Publication AS No. 1. In the case of applications of dc telegraph signaling systems, the customer shall be responsible, at its expense, for the provision of current limiting devices to protect the Telephone Company facilities from excessive current due to abnormal conditions and for the provision of noise mitigation networks when required to reduce excessive noise.

2.1.10 **Notification of Service-Affecting Activities**

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

2.1.11 **Coordination with Respect to Network Contingencies**

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

Contel of North Carolina, Inc.

Section 2
Original Page 8

Issued: May 31, 1988

Effective: July 1, 1988

By: John A. Feaster, President
Weaverville, N.C.**2. General Regulations (Cont'd)****2.1 Undertaking of the Telephone Company (Cont'd)****2.1.12 Provision and Ownership of Telephone Numbers**

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

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

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By: John A. Feaster, President
Weaverville, N.C.

Effective: July 1, 1988

2. General Regulations (Cont'd)

2.2 Use (Cont'd)

2.2.2 Unlawful Use

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

2.3 Obligations of the Customer

2.3.1 Damages

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

2.3.2 Ownership of Facilities and Theft

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

2.3.3 Equipment Space and Power

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

Contel of North Carolina, Inc.

Section 2
Original Page 10

Issued: May 31, 1988

Effective: July 1, 1988

By: John A. Feaster, President
Weaverville, N.C.**2. General Regulations (Cont'd)****2.3 Obligations of the Customer****2.3.4 Availability for Testing**

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

2.3.5 Balance

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

2.3.6 Design of Customer Services

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

2.3.7 References to the Telephone Company

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

2.3.8 Claims and Demands for Damages

(A) With respect to claims of patent infringement made by third persons, the customer shall defend, indemnify, protect and save harmless the Telephone Company from and against all claims arising out of the combining with, or use in connection with, the services provided under this tariff, any circuit, apparatus, system or method provided by the customer.

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By: John A. Feaster, President
Weaverville, N.C.

Effective: July 1, 1988

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.8 Claims and Demands for Damages (Cont'd)

- (B) The customer shall defend, indemnify and save harmless the Telephone Company from and against any suits, claims, losses or damages, including punitive damages, attorney fees and court costs by third persons arising out of the construction, installation, operation, maintenance, or removal of the customer's circuits, facilities, or equipment connected to the Telephone Company's services provided under this tariff, including, without limitation, Workmen's Compensation claims, actions for infringement of copyright and/or unauthorized use of program material, libel and slander actions based on the content of communications transmitted over the customer's circuits, facilities or equipment, and proceedings to recover taxes, fines, or penalties for failure of the customer to obtain or maintain in effect any necessary certificates, permits, licenses, or other authority to acquire or operate the services provided under this tariff; provided, however, the foregoing indemnification shall not apply to suits, claims, and demands to recover damages for damage to property, death, or personal injury unless such suits, claims or demands are based on the tortuous conduct of the customer, its officers, agents or employees.
- (C) The customer shall defend, indemnify and save harmless the Telephone Company from and against any suits, claims, losses or damages, including punitive damages, attorney fees and court costs by the customer or third parties arising out of any act or omission of the customer in the course of using services provided under this tariff.

2.3.9 Coordination with Respect to Network Contingencies

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

2.3.10 Sectionalization and Trouble Reporting

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

VERIZON SOUTH INC.
d/b/a Verizon North Carolina

Section 2
Fifteenth Revised Page 11.1
Cancels Fourteenth Revised Page 11.1
Effective: August 29, 2008

Issued: August 15, 2008
By: Vice President
Durham, North Carolina

- 2. General Regulations (Cont'd)
- 2.3 Obligations of the Customer (Cont'd)
- 2.3.11 Defined-Radius Discount Calling Plan

By Commission Order issued on August 14, 2008 in Docket No. P-100, Sub 126, the switched access toll imputation mechanism described in the below paragraph was discontinued and the associated credit was eliminated effective with the Order date. (N)
|
(N)

As ordered on May 17, 1994 in Docket No. P-100, Sub 126, Defined-Radius Discount Calling Plan, and on February 9, 1994 in Docket Nos. P-141, Sub 19 and P-100, Sub 65, P-100, Sub 72 the Telephone Company will credit the IC the difference between the average revenue per minute for MTS, Defined-Radius Plans, Defined-Area Plans, DDD, OCPs, GTE Discount Calling Plans and any future services of a similar nature in the aggregate, WATS, or 800/877/888 Service rate 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 of the existing toll services becomes 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.

(A) Switched Access Credit Per Originating IntraLATA Minute of Use

	<u>Rate</u>
(1) Per Originating IntraLATA Minute of Use	\$.000000 (R)

VERIZON SOUTH INC.
d/b/a Verizon North Carolina

Section 2
Original Page 11.2

Issued: May 5, 2003
By: Vice President
Durham, North Carolina

Effective: June 18, 2003

2. General Regulations (Cont'd)

(N)

2.3 Obligations of the Customer (Cont'd)

2.3.12 Termination Liability

- (A) In the event the service is terminated by the customer prior to completion of the current term commitment period, the customer shall be liable for an early termination charge, except as noted below. The amount of the early termination charge will be 25% of the monthly recurring charge(s) (MRC) for the remainder of the term. For example:

$$25\% \times \text{MRC} \times \# \text{ of Lines/Channels/Paths} \times \text{Remainder of Term} = \text{Termination Charge}$$

- (B) Early termination charges will apply only to those rate elements under a term commitment period. If any rates for the service are increased during the term period, exclusive of any increase due to local, state or federal fees, taxes or surcharges, the customer may terminate the service without incurring an early termination charge.

(C) End of Term Options

- (1) Prior to the end of the term commitment period, the customer may select one of the following options, to be effective at the end of the term:
- (a) Renew their term commitment,
 - (b) Commit to a new term period,
 - (c) Arrange for a change of service, or
 - (d) Arrange for termination of the service.
- (2) In the event the customer does not select one of the above options, the customer will be converted to the shortest-term period available under tariff (i.e., month-to-month, one year, etc.) for the same service, and will be subject to the applicable term commitment, if any, unless the customer terminates the service within sixty (60) days of the conversion date.

(D) Early termination charges will not be assessed under the following circumstances:

- (1) Customer moves existing service either to a new location within the same address and/or same building (inside move) or to a new location (outside move) and maintains that service for the remainder of the term;
- (2) Customer attempts to move the existing service to a new location within the Company's service area, but the service is unavailable;
- (3) Customer renegotiates a new term commitment plan for the same service before the current term commitment expires and the value of the new term commitment is equal to or greater than the remaining value of the current term commitment; or
- (4) Customer changes to another service or upgrades service to a higher speed or capacity under a term commitment, provided the following conditions are met:
 - (a) The value of the new term commitment is equal to or greater than the remaining value of the current term commitment,
 - (b) The Company provides the new service via tariff or on an individual case basis (ICB), and
 - (c) The order to discontinue the existing service and the order for the new or upgraded service are received by the Company at the same time.

- (E) The rules and regulations set forth in a. through d. preceding affect only those services that reference this section for termination liability application. Termination liability as specified for other services shown elsewhere in the Company's tariffs applies in lieu of the above.

(N)

FRONTIER COMMUNICATIONS OF THE CAROLINAS INC.
North Carolina

Section 2
First Revised Page 11.3
Cancels Original Page 11.3
Effective: June 18, 2012

Issued: June 4, 2012
By: Vice President
Rochester, New York

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

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

(2) This section will be applied to the billing of switched access charges to a customer that is a local exchange carrier only to the extent that the customer has also implemented billing of interstate access charges for Relevant VoIP-PSTN Traffic in accordance with the FCC Order.

(B) Rating of VoIP-PSTN Traffic

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

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

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

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

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

(M)

(M) Material transferred to First Revised Page 11.4.

FRONTIER COMMUNICATIONS OF THE CAROLINAS INC.
North Carolina

Section 2
First Revised Page 11.4
Cancels Original Page 11.4
Effective: June 18, 2012

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By: Vice President
Rochester, New York

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 Factor (Cont'd) (M)
 - (3) The Telephone Company will use the PVU-C and PVU-T factors to calculate a PVU factor that represents the percentage of total intrastate MOU exchanged between a Telephone Company end user and the customer that is originated or terminated in IP format, whether at the Telephone Company's end, at the customer's end, or at both ends. The PVU factor will be calculated as the sum of: (A) the PVU-C factor and (B) the PVU-T factor times (1.0 minus the PVU-C factor). (N)
 - (4) The Telephone Company will apply the PVU factor to the total intrastate access MOU exchanged with the customer to determine the number of Relevant VoIP-PSTN Traffic MOUs. (M) (C)
 - (5) If the customer does not furnish the Telephone Company with a PVU-C pursuant to the preceding paragraph 1, the Telephone Company will utilize a PVU equal to the PVU-T. (M) (T)
- (D) Initial PVU Factor

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

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

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

(M) Material transferred from Original Page 11.3.

Contel of North Carolina, Inc.
d/b/a GTE (North Carolina)

Section 2
First Revised Page 12
Cancelling Original Page 12
EFFECTIVE: July 26, 1992

ISSUED: June 26, 1992
BY: Vice President
Durham, North Carolina

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances

2.4.1 Payment of Rates, Charges and Deposits

(A) Deposits

The Telephone Company will, in order to safeguard its interests, only require a customer which has a proven history of late payments to the Telephone Company or does not have established credit, to make a deposit prior to or at any time after the provision of a service to the customer to be held by the Telephone Company as a guarantee of the payment of rates and charges. No such deposit will be required of a customer which is a successor of a company which has established credit and has no history of late payments to the Telephone Company. Such deposit may not exceed the actual or estimated rates and charges for the service for a two month period. The fact that a deposit has been made in no way relieves the customer from complying with the Telephone Company's regulations as to the prompt payment of bills. At such time as the provision of the service to the customer is terminated, the amount of the deposit will be credited to the customer's account and any credit balance which may remain will be refunded.

Such a deposit will be refunded or credited to the account when the customer has established credit or, in any event, after the customer has established a one-year prompt payment record at any time prior to the termination of the provision of the service to the customer. In case of a cash deposit, for the period the deposit is held by the Telephone Company, the customer will receive simple annual interest at a rate of 1% (C) per month or 12% annually. Should a deposit be credited to the customer's account, as indicated above, no (C) interest will accrue on the deposit from the date such deposit is credited to the customer's account.

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2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances

2.4.1 Payment of Rates, Charges and Deposits

(B) Payment of Rates and Charges

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 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 except for charges associated with service usage and for the Federal Government which will be billed in arrears. The bill day (i.e., the billing date of a bill for a customer for Access Service under this tariff), the period of service each bill covers and the payment date will be as follows:

- (1) For Switched Access Service, Special Access Service, and Miscellaneous Service charges, the Telephone Company will establish a bill day each month for each customer account. The bill will cover nonusage sensitive service charges for the ensuing billing period for which the bill is rendered, any known unbilled nonusage sensitive charges for prior periods and unbilled usage charges for the period after the last bill day through the current bill day. Any known unbilled usage charges for prior periods and known unbilled adjustments will be applied to this bill. Payment for such bills is due as set forth in (2) following. If payment is not received by the payment date, as set forth in (2) following in immediately available funds, a late payment penalty will apply as set forth in (C) following.
- (2) All bills dated as set forth in (1) preceding for service, provided to the customer by the Telephone Company are due 31 days (payment date) after the bill date or by the next bill date (i.e., same date in the following month as the bill date), whichever is the shortest interval, except as provided herein, and are

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2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

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

(B) Payment of Rates (Cont'd)

(2) (Cont'd)

payable in immediately available funds. If such payment date would cause payment to be due on a Saturday, Sunday or Holiday (i.e., New Year's Day, Independence Day, Labor Day, Thanksgiving Day, Christmas Day, the first Tuesday in November and the day when Washington's Birthday, Memorial Day or Columbus Day is legally observed), payment for such bills will be due from the customer as follows:

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

(C) Late Payment Penalty

If any portion of the payment is received by the Telephone Company after the payment date as set forth in (B)(2) preceding, or if any portion of the 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 in addition to the outstanding amount. The late payment penalty shall be the portion of the payment not received by the payment date time 1% per month or 12% annually.

(1)

(2)

(C)

(D)

(D)

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2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

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

(D) Billing Disputes

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

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

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2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

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

(D) Billing Disputes (Cont'd)

(4) (Cont'd)

(b) If a customer disputes a bill after ninety (90) days from the payment date established by the Telephone Company and the billing dispute is resolved in favor of the customer, the customer will receive a credit for a disputed amount penalty from the Telephone Company for the period starting with the later date of claim or date of overpayment and ending on the date of resolution. The credit for a disputed amount penalty shall be an amount equal to the disputed amount resolved in the customer's favor times 1% per month or 12% annually. (C)

(5)

(D)

(a)

(b)

(D)

(E) Billing Adjustments and Rounding

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

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2. General Regulations (Cont'd)**2.4 Payment Arrangements and Credit Allowances (Cont'd)****2.4.1 Payment of Rates, Charges and Deposits (Cont'd)****(F) Provision of Access Service Billing and Bill Verification**

- (1) The Telephone Company will, upon reasonable request and if available, furnish such detailed information as may be required for verification of any bill.
- (2) The customer will receive its monthly bills in a standard paper format or where technically possible and the Telephone Company can accommodate the customer's request, on magnetic tape in a format determined by the Telephone Company. Additional copies of the customer's bill may be provided in standard paper format at the rates and charges set forth in (3) following. When the customer requests a paper copy of the customer's bill in addition to the customer bill provided on magnetic tape, the rate set forth in (3) following shall apply per page.
- | | |
|--|-----------------------|
| (3) Additional copies of the customer's monthly bill or service and features record in standard paper format, per page | <u>Rate</u>
\$0.07 |
|--|-----------------------|

2.4.2 Minimum Periods

The minimum period for which services are provided, or for which rates and charges are applicable, is one month except as otherwise specified.

The minimum period for which service is provided, and for which rates and charges are applicable for a Specialized Service or Arrangement provided on an individual case basis as set forth in Section 12 following, is one month unless a different minimum period is established with the individual case filing.

When a service is discontinued prior to the expiration of the minimum period, charges are applicable, whether the service is used or not, as follows:

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2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.2 Minimum Periods (Cont'd)

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

2.4.3 Cancellation of an Order for Service

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

2.4.4 Credit Allowance for Service Interruption

(A) General

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

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

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

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2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.4 Credit Allowance for Service Interruption

(A) General (Cont'd)

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

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

(B) Special Access Services

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

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

- (a) For two point services, the monthly charge subject to credit shall be the total of all the monthly rate element charges associated with the service (i.e., two circuit terminations, circuit mileage and optional features and functions). (C)
- (b) For multipoint services, the monthly charge subject to credit shall be only the total of all the monthly rate element charges associated with that portion of the service that is inoperative (i.e., a circuit termination per customer premises, circuit mileage and optional features and functions).

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2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.4 Credit Allowance for Service Interruptions (Cont'd)

(B) Special Access Services (Cont'd)

(1) Cont'd

(c) For multiplexed services, the monthly charge subject to credit shall be the total of all the monthly rate element charges associated with that portion of the service that is inoperative. When the facility which is multiplexed or the multiplexer itself is inoperative, the monthly charge shall be the total of all the monthly rate element charges associated with the service (i.e., the circuit termination, circuit mileage and optional features and functions, including the multiplexer on the facility to the hub, and the circuit terminations, circuit mileages and optional features and functions on the individual services from the hub). When the service which rides a circuit of the multiplexed facility is inoperative, the monthly charge shall be the total of all the monthly rate element charges associated with that portion of the service from the Hub to a customer premises (i.e., circuit termination, circuit mileage and optional features and functions).

(2) For Program Audio and Video Special Access Services, no credit shall be allowed for an interruption of less than 30 seconds. The customer shall be credited for an interruption of 30 seconds or more as follows:

(a) For two-point services, when monthly rates are applicable, the credit shall be at the rate of 1/8640 of the monthly charges for the service for each period of 5 minutes or major fraction thereof that the interruption continues.

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2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.4 Credit Allowance for Service Interruptions (Cont'd)

(B) Special Access Services (Cont'd)

(2) (Cont'd)

- (b) For two-point services, when daily rates are applicable, the credit shall be at the rate of 1/288 of the daily charges for the service for each period of 5 minutes or major fraction thereof that the interruption continues.
 - (c) For multipoint services, when monthly rates are applicable, the credit shall be at the rate of 1/8640 of the monthly charges for each circuit termination, circuit mileage and optional features and functions that is inoperative for each period of 5 minutes or major fraction thereof that the interruption continues.
 - (d) For multipoint services, when daily rates are applicable, the credit shall be at the daily rate of 1/288 of the daily charges for each circuit termination, circuit mileage and optional features and functions that is inoperative for each period of 5 minutes or major fraction thereof that the interruption continues.
 - (e) For multipoint services, the credit for the monthly or daily charges includes the charges for the distribution amplifier only when the distribution amplifier is inoperative.
 - (f) When two or more interruptions occur during a period of 5 consecutive minutes, such multiple interruptions shall be considered as one interruption.
- (3) For certain Special Access services (Wideband Digital, WD1-3; Digital Data Access, DA1-4; and High Capacity, HC1), any period during which the error performance is below that specified for the service will be considered as an interruption.

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2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.4 Credit Allowance for Service Interruptions (Cont'd)

(B) Special Access Services (Cont'd)

- (4) For DS1 Special Access service, credit allowance will be made for an interruption period that results in a complete loss of service of three consecutive hours or longer for each occurrence. This credit allowance is in addition to the credit allowance in 2.4.4(B) (1). The credit allowance will be \$200.00 for each out of service condition within the Telephone Company's facilities. The credit allowance will not be applied more than once per calendar month and will not exceed the monthly charge for the interrupted service. (N)

A credit allowance will not be extended for those conditions stated in 2.4.4(B) or 2.1.3. (N)

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2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.4 Credit Allowance for Service Interruptions (Cont'd)

(C) Switched Access Service

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

(D) When a Credit Allowance Does Not Apply

No credit allowance will be made for:

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

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2. **General Regulations (Cont'd)**

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

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

(E) **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.

(F) **Temporary Surrender of a Service**

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

2.4.5 **Re-establishment of Service Following Fire, Flood or Other Occurrence**

(A) **Nonrecurring Charges Do Not Apply**

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

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

(B) **Nonrecurring Charges Apply**

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

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2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.6 Title or Ownership Rights

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

2.4.7 Access Services Provided by More Than One Telephone Company

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

(A) Single Company Billing

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

(B) Multiple Company Billing

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

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

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2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.7 Access Services Provided by More Than One Telephone Company (Cont'd)

(B) Multiple Company Billing (Cont'd)

(1) (Cont'd)

Multiple Bill - The customer will receive a bill from each Telephone Company providing the access service(s). Multiple bills will include all charges applicable to the individual portion of the access service(s) provided by each Telephone Company. Such bills will include cross references to the other Telephone Company service(s) and common circuit identifiers in accordance with the MECAB Guidelines.

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

(2) For Switched Access Tandem-Switched Transport Services, the Telephone Company will determine the applicable charges as follows: (C)

(a) Determine the distance in airlines miles using the V&H method set forth in Exchange Carrier Association Tariff FCC No. 4, between the Telephone Company's end office switch and the customer's serving wire center, or between the access tandem and the end office switch if Direct-Trunked Transport is ordered directly to the tandem. (C)
| (C)

(b) The airline distance in miles developed in (a) preceding will be multiplied by the Tandem-Switched Transport Facility rate times the number of access minutes of use times the billing percentage to determine the appropriate Local Transport charges. The billing percentage is that portion of local transport to be billed by each company and is mutually agreed upon by the Telephone Companies involved in providing Access Services to the customer. Billing percentages are listed in Exchange Carrier Association Tariff FCC No. 4. (C)
(C)

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2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.7 Access Services Provided By More Than One Telephone (Cont'd)

(B) Multiple Company Billing (Cont'd)

(2) (Cont'd)

(c) The total Local Transport charge shall be the Tandem-Switched Transport facility charge as determined in (b) preceding plus the Tandem-Switched Transport Termination rate times the number of access minutes of use. (C)

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

(d) All other appropriate recurring and nonrecurring charges in each Telephone Company's access tariff are applicable. The Nonrecurring Charges for Switched Access, as set forth in 6.5.4 following, apply in full. (N)
(N)

(3) For Special Access Services, and Switched Access Direct-Trunked Transport the Telephone Company will determine the applicable charges as follows: (C)

(a) Determine the distance in airline miles using the V&H method set forth in Exchange Carrier Association Tariff No. 4 between the locations involved; i.e., the serving wire centers associated with two customer designated premises, a serving wire center associated with a customer designated premise and a Telephone Company hub, two Telephone Company hubs, a hub to an end office, or a hub to a tandem. (C)

(M)

ACCESS SERVICE TARIFF - NCUC No. 1

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2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.7 Access Services Provided By More Than One Telephone (Cont'd)

(B) Multiple Company Billing (Cont'd)

(3) (Cont'd)

- (b) The airline distance in miles developed in (a) preceding will be multiplied by the Special Access Circuit Mileage-Per Mile or Switched Access Direct-Trunked Transport Mileage rate element times the billing percentage to determine the appropriate Circuit Mileage-Per Mile charges. The billing percentage is that portion of circuit mileage to be billed by each company involved in providing Access Services to the customer. Billing percentages are listed in Exchange Carrier Association Tariff FCC No. 4. (M)
(T)
(C)
 - (c) For Special Access, the total Circuit Mileage charges shall be the Circuit Mileage-Per-Mile charge determined in (b) preceding plus the Circuit Mileage-Fixed charges. The Circuit Mileage-Fixed charge is always applied in full, once per circuit mileage facility, whether the Telephone Company provides one, or more than one, circuit mileage facility termination(s). The Circuit Mileage-Fixed rate does not apply when the Telephone Company provides an intermediate portion of a circuit mileage facility and no circuit mileage terminations. (T)(M)
(N)
 - (d) For Switched Access, the total Direct-Trunked Transport charges shall be the Direct-Trunked Transport Mileage charge determined in (b) preceding plus the Direct-Trunked Transport - Fixed charges. The Fixed charge is always applied in full, once per Direct-Trunked Transport facility whether the Telephone Company provides one, or more than one, facility termination(s). The Fixed charge does not apply when the Telephone Company provides an intermediate portion of a Direct-Trunked Transport facility and no terminations. (N)
 - (e) All other appropriate recurring and nonrecurring charges in each Telephone Company's access tariff are applicable. (T)(M)
- (4) The Interconnection Charge for Switched Transport shall be billed by the Telephone Company in whose territory the first point of switching is located. (N)

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2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.7 Access Services Provided By More Than One Telephone Company (Cont'd)

(C) EAS and Access Tandem Arrangements

Where a customer utilizes FGA and/or FGB Switched Access Services to originate or terminate calls within an Extended Area Service (EAS) calling area or access tandem network provided by more than one telephone company, the Telephone Company may apply additional Switched Access Service charges as set forth in (1) and (2) following, provided the following criteria are met:

- the telephone companies involved are not the same Telephone Company and do not provide service under the same Access Service tariff,
 - the telephone companies do not have a revenue sharing arrangement where one telephone company bills the total cost of access which includes the other telephone company's cost of access,
 - The telephone companies involved do not bill Switched Access charges in accordance with the Multiple Company Billing Arrangement for subtending end offices of an access tandem as set forth in (B) preceding.
 - Telephone companies which apply additional charges to the service mentioned above are listed in Section 14 following.
- (1) For FGA usage which originates or terminates at a Telephone Company end office within an EAS calling area where the first point of switching (dial tone office) is provided by a different telephone company, the Telephone Company will apply Local Transport Mileage and Circuit Connection rates to originating access minutes, and End Office rates to originating and terminating access minutes as set forth in 6.6 following. The mileage used to determine the Local Transport Mileage charges will be based on the airline distance between the end office where the call originates and the dial tone office where the FGA service is provided. Such Switched Access charges will be in addition to those charges assessed by the telephone company in whose exchange the first point of switching (dial tone office) is located. Such usage will be determined as set forth in (3) following.

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By: John A. Feaster, President
Weaverville, N.C.

Effective: July 1, 1988

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.7 Access Services Provided By More Than One Telephone Company (Cont'd)

(C) EAS and Access Tandem Arrangements (Cont'd)

- (2) For FGB usage which originates or terminates at a Telephone Company end office which subtends an access tandem provided by a different telephone company where the FGB service is provided, the Telephone Company will apply End Office and Local Transport Circuit Connection Rates as set forth in Section 6.6.1 following for all originating and terminating access minutes routed via the access tandem. Such usage will be determined as set forth in (3) following.
- (3) FGA or FGB usage originating or terminating at Telephone Company end offices in EAS or access tandem arrangements shall be determined as follows:
 - (a) Where end office specific usage data are available, such data will be used to determine the charges.
 - (b) Where end office specific usage data are not available, the total originating and/or terminating usage will be the measured usage or assumed usage at the first point of switching (i.e., dial tone office for FGA or access tandem for FGB). Originating and/or terminating usage will be determined based upon the ratios of the total number of subscriber lines in the Telephone Company exchange to the total number of subscriber lines in the EAS calling area or access tandem network. These ratios will be applied to the total number or originating and/or terminating access minutes to determine the access minutes for the Telephone Company exchange.
- (4) The ratio used to calculate the access minutes as set forth in (3) preceding will be determined by the telephone company and provided to the customer upon request.

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Issued: May 31, 1988

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By: John A. Feaster, President
Weaverville, N.C.

2. General Regulations (Cont'd)

2.5 Connections

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

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North Carolina (Contel NC)

Section 2
Third Revised Page 30
Cancels Second Revised Page 30
Effective: August 21, 1998

Issued: July 22, 1998
By: Vice President
Durham, North Carolina

2. General Regulations (Cont'd)

2.6 Definitions

Certain terms used herein are defined as follows:

Access Area

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

Access Code

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

(C)
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(C)

Access Minutes

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

Access Tandem

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

Access Tandem Network

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

GTE SOUTH INCORPORATED
North Carolina (Contel NC)

Section 2
First Revised Page 30.1
Cancels Original Page 30.1
Effective: September 10, 1996

Issued: May 10, 1996
By: Vice President
Durham, North Carolina

2. General Regulations (Cont'd)

2.6 Definitions

Agent

The term "Agent", as used in Section 8 of this Tariff, is defined as that person or entity that the Telephone Company acknowledges as controlling decisions pertaining to instrument placement, subscription authority, and access or usage control of Public or Semipublic Pay Telephone Service or, that person or entity duly authorized to act in that capacity by the physical owner of the premises.

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(N)

Answer Message

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

Issued: May 31, 1988
By: John A. Feaster, President
Weaverville, N.C.

Effective: July 1, 1988

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Answer/Disconnect Supervision

The term "Answer/Disconnect Supervision" denotes the transmission of the switch trunk equipment supervisory signal (off-hook or on-hook) to the customer's point of termination as an indication that the called party has answered or disconnected.

Attenuation Distortion

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

Balance (100 Type) Test Line

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

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 9:00 A.M. to 5:00 or 6:00 P.M., respectively, with an hour for lunch, Monday through Friday, resulting in a standard forty (40) hour work week. However, Business Day hours for the Telephone Company may vary based on company policy, union contract and location. To determine such hours for an individual company, or company location, contact the issuing officer at the address shown on Title Page 1.

Busy Hour Minutes of Capacity (BHMC)

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

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By: John A. Feaster, President
Weaverville, N.C.

Effective: July 1, 1988

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Call

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

Carrier or Common Carrier

See Interexchange Carrier.

CCS

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

Central Office

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

Central Office Prefix

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

Centralized Automatic Reporting on Trunks Testing

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

Circuit(s)

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

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d/b/a GTE (North Carolina)

Section 2
First Revised Page 33
Cancels Original Page 33
Effective: August 4, 1993

Issued: July 14, 1993
By: Vice President
Durham, North Carolina

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Channel Service Unit

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

Channelize

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

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.

Coin Station

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

Common Channel Signaling System 7 Network (CCS7)

(N)

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

(N)

Common Line

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

GTE SOUTH INCORPORATED
North Carolina (Contel NC)

Section 2
First Revised Page 34
Cancels Original Page 34
EFFECTIVE: August 26, 1995

ISSUED: July 27, 1995
BY: Vice President
Durham, North Carolina

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

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.

Customer(s)

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

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(D)

Data Transmission (107 Type) Test Line

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

Decibel

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

Decibel Reference Noise C-Message Weighting

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

Decibel Reference Noise C-Message Referenced to 0

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

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By: John A. Feaster, President
Weaverville, N.C.

Effective: July 1, 1988

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 and office). An office arranged for Dual Tone Multifrequency Signaling would expect to receive address signals from the customer in the form of Dual Tone Multifrequency signals.

Echo Control

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

Echo Path Loss

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

Echo Return Loss

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

Effective 2-Wire

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

Effective 4-Wire

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

VERIZON SOUTH INC.
d/b/a Verizon North Carolina

Section 2
First Revised Page 36
Cancels Original Page 36
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By: Vice President
Durham, North Carolina

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

End Office Switch

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

End User

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

Entry Switch

See First Point of Switching.

Envelope Delay Distortion

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

Equal Level Echo Path Loss

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

Exchange

The term "Exchange" denotes a unit generally smaller than a local access and transport area, established by the Telephone Company for the administration of communications service in a specified area which usually embraces a city, town or village and its environs. It consists of one or more central offices together with the associated facilities used in furnishing communications service within the area. One or more designated exchanges comprise a given local access and transport area.

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d/b/a GTE (North Carolina)

Section 2
First Revised Page 37
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By: Vice President
Durham, North Carolina

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Exit Message

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

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(N)

Expected Measured Loss

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

Extended Area Service

The term "Extended Area Service" denotes a telephone exchange service in which a customer in one exchange can call a local number in another exchange that is part of the extended area without paying a toll charge.

Field Identifier

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

First Come - First Served

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

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.

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By: John A. Feaster, President
Weaverville, N.C.

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2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Frequency Shift

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

Grandfathered

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

Host Office

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

Immediately Available Funds

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

Impedance Balance

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

Impulse Noise

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

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First Revised Page 39
Cancels Original Page 39
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Durham, North Carolina

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Individual Case Basis

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

Initial Address Message (IAM)

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

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(N)

Inserted Connection Loss

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

Interexchange Carrier(s) (IC)

The term "Interexchange Carrier" 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" 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 dB) of the transmitted composite four-tone signal power to the second-order products of the tones (R2), and the third-order products of the tones (R3).

(M)

VERIZON SOUTH INC.
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By: Vice President
Durham, North Carolina

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Intrastate Communications (C)

The term "Intrastate Communications" denotes communications within the state subject to oversight by the state regulatory commission as provided by the laws of the state involved. (C)

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.

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Weaverville, N.C.

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2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Local Access and Transport Area

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

Loop Around Test Line

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

Loss Deviation

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

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.

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Weaverville, N.C.

Effective: July 1, 1988

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

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.

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.

North American Numbering Plan

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

Off-hook

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

On-hook

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

Open Circuit Test Line

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

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First Revised Page 42
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By: Vice President
Durham, North Carolina

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Originating Direction

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

Pay Telephone

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

Phase Jitter

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

Point of Termination

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

Premises

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

Release Message

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

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(N)

Remote Switching Modules and/or Remote Switching Systems

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

Return Loss

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

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Durham, North Carolina

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Registered Equipment

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

Serving Wire Center

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

Seven Digit Manual Test Line

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

Shortage of Facilities or Equipment

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

Short Circuit Test Line

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

Signal-to-C-Notched Noise Ratio

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

Signaling System 7 (SS7)

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

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Contel of North Carolina, Inc.
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Issued: July 14, 1993
By: Vice President
Durham, North Carolina

Section 2
Original Page 43.1
Effective: August 4, 1993

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Signal Transfer Point (STP)

(N)

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

(N)

Signal Transfer Point (STP) Port

(N)

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

(N)

Singing Return Loss

(M)

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

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VERIZON SOUTH INC.
d/b/a Verizon North Carolina

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Durham, North Carolina

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Subtending End Office of an Access Tandem

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

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.

Terminating Direction

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

Termination Liability

The term "Termination Liability" denotes the early termination charge that the customer may be liable for in the event the service is terminated by the customer prior to completion of the term commitment period.

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(N)

Transmission Measuring (105 Type) Test Line/Responder

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

Transmission Path

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

Trunk

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

Trunk Group

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

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2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Trunk Side Connection

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

Two-Wire to Four-Wire Conversion

The term "Two-Wire to Four-Wire Conversion" denotes an arrangement which converts a four-wire transmission path to a two-wire transmission path to allow a four-wire facility to terminate to a two-wire entity (e.g., a central office switch).

Uniform Service Order Code

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

V&H Coordinates

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

WATS Serving Office

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

Wire Center

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

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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 provides for the use of Telephone Company common lines by customers for access to end users to furnish Intrastate Communications. (C)

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

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. (C)

Nonpremium Access is Switched FGA and FGB Access Service provided in an end office not yet converted to equal access to customers that do not furnish intrastate MTS/WATS. (C)

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

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.
- 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 Designated WATS Serving Offices for the provision of WATS or WATS-type Services, Switched Access Service minutes which are carried on that end of the service (i.e., originating minutes for outward WATS and WATS-type services and terminating minutes for inward WATS and WATS-type services) shall not be assessed Carrier Common Line Access per minute charges with the following 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 nonequal access telephone company office that does not have measurement capabilities and the assumed average access minutes, as set forth in Section 6.6.1 following, are used.

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

3.3 Undertaking 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 3.7 following.
- B. Where the customer is reselling MTS and/or MTS-type service(s) on which the Carrier Common Line and Switched Access charges have been assessed, the customer may, at the option of the customer, obtain Feature Group A, Feature Group B or Feature Group D Switched Access Service under this tariff as set forth in Section 6 following for originating and/or terminating access in the local exchange. Such access group arrangements whether single lines or trunks or multiline hunt groups or trunk groups will have Carrier Common Line Access Charges applied as set forth in 3.7 following in accordance with the regulations set forth in 3.6 (D) following. For purposes of administering this provision:
- Resold intrastate inward MTS and MTS-type service(s) shall include collect calls, third number calls and credit card calls where the reseller pays the underlying carrier's service charges; and shall not include interstate minutes of use. (C)
- Resold intrastate outward MTS and MTS-type service(s) shall not include collect, third number, credit card or intrastate minutes of use. (C)
- C. When access to the local exchange is required to provide a customer service (e.g., MTS/WATS-type, telex, Data, etc.) that uses a resold Private Line Service, Switched Access Service Rates and Regulations, as set forth in Section 6. following will apply, except when such access to the local exchange is required for the provision of an enhanced service. Carrier Common Line Access rates and charges as set forth in 3.7 following apply in accordance with the regulations as set forth in 3.6 (F) following.
- 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 3.7 following apply in accordance with the regulations as set forth in 3.6 (E) following. (C)

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

3.3 Undertaking of the Telephone Company (Cont'd)

- E. When the IC is provided Operator Trunk-Coin or Combined Coin and Non-Coin or Operator Trunk-Full Feature Optional Features for sent-paid pay telephone access as set forth in Section 6. following, the Telephone Company will collect sent-paid monies from pay telephone stations and will remit monies to the IC as set forth in 3.5 following. The Telephone Company will provide message call detail format and bill periods used to determine the monies upon request from the IC.

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 the 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 3.6 (E) following.
- E. Where Feature Group C end 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 Company (billing entity) in a timely manner. If the IC does not furnish the data to the billing entity, the IC shall identify all Switched Access Services which could carry such calls in order for the billing entity to accumulate the minutes of use through the use of special Telephone Company measuring and recording equipment.

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

3.4 Obligations of the Customer (Cont'd)

- F. When the customer is reselling MTS and/or MTS-type service as set forth in 3.3 (B) preceding, the customer will be charged the Carrier Common Line Access charges in accordance with the regulations as set forth in 3.6 (D) 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 15 days after the bill date shown on the resold MTS and/or MTS-type service bill. If the required information is not received by the Telephone Company, the previously reported information, as described preceding, will be used for the next two months. For any subsequent month, no allocation or credit will be made until the required documentation is delivered to the Telephone Company by the customer.

- G. When the customer orders Switched Access Service as set forth in F. preceding, the Telephone Company may request when 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 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 no more than 12 months prior to the current billing period.

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

3.4 Obligations of the Customer (Cont'd)

- H. Where Operator Trunk-Coin or Combined Coin and Noncoin or Operator Trunk-Full Feature Optional Features for sent-paid pay telephone access is provided to the IC and the IC wishes to receive the monies it is due for the monies collected by the Telephone Company from coin pay telephone stations, the IC shall furnish to the Telephone Company, at a location specified by the Telephone Company, the IC message call detail for the IC sent-paid (coin) pay telephone calls in accordance with the Telephone Company collection schedule. The IC message call detail furnished shall be in a standard format established by the Telephone Company. The Telephone Company will provide to the customer the precise details of the required standard format. If, in the course of Telephone Company business, it is necessary to change the standard format, the Telephone Company will provide notification to the involved customer six months prior to the change. If no IC message call detail is received from the IC for each bill period established by the Telephone Company, the Telephone Company will assume there were no IC sent-paid (coin) pay telephone calls for the period. In addition, the IC shall furnish a schedule of its charges for sent-paid (coin) calls to the pay telephone at a location and date as specified by the Telephone Company. Any change in the IC's schedule of charges shall be furnished to the Telephone Company one day after the change becomes effective.
- I. The customer will provide a report indicating separate common line information for 500, 700, 800, 877, 888 and 900 access minutes, at a statewide level and by jurisdiction. This report shall also include the applicable Access Customer Name Abbreviation [ACNA(s)]. (T)

3.5 Payment of Coin Sent-Paid Monies

The Telephone Company will collect the monies from coin pay telephone stations and will determine and remit amounts due to an IC which is provided Operator Trunk-Coin or Combined Coin and Non-Coin or Operator Trunk-Full Feature Optional Features for sent-paid pay telephone access as follows:

A. Bill Period Coin Revenue

The Telephone Company will establish a collection schedule for each coin pay telephone station and will collect the monies from the coin pay stations based on this collection schedule. The monies collected based on this schedule during each bill period established by the Telephone Company will be identified by coin pay telephone station and summed to develop the Bill Period Coin Revenue for each coin record day (i.e., the day a record is prepared and dated to show the amount due the IC).

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

3.5 Payment of Coin Sent-Paid Monies (Cont'd)

B. Total IC Coin Revenue

The intrastate Total IC Coin Revenue will be determined by the Telephone Company based on the customer message call detail received from the customer for each bill period and the IC's schedule of charges for sent-paid coin calls. Such Total Customer Coin Revenue will be developed each coin record day. (C)

C. Recourse Adjustments

For each coin record day, the Telephone Company will subtract from the Total IC Coin Revenue an amount for coin station shortages. Coin Station shortages are amounts resulting from unauthorized calling at coin pay telephone stations, use of unauthorized coins (i.e., foreign coins, slugs and improper use of U.S. pennies), unauthorized removal of coins from coin pay telephone stations and coin refunds beyond the Telephone Company's control. Such amount for coin station shortages will be developed by the Telephone Company by multiplying the Total IC Coin Revenue for each coin record day by a shortage factor. Such amount will be rounded to the nearest penny. The shortage factor will be determined by dividing the yearly total coin shortage amount by the yearly total coin revenue amount (i.e., total coin revenue equals the coin revenue due under exchange tariffs, state toll tariffs, and interstate toll tariffs). The total coin shortage amount and the total revenue amount will be determined by the Telephone Company through an annual special study.

D. Payment of Net IC Coin Revenue

The Telephone Company will determine the Net IC Coin Revenue for each coin record day by subtracting from the Total IC Coin Revenue determined as set forth in B. preceding the amount for coin station shortages determined as set forth in C. preceding. On the date (payment date) determined by adding 45 days to the coin record day, the Telephone Company will remit payment to the IC for the Net IC Coin Revenue.

E. Audit Provisioning

Upon reasonable written notice by the customer to the Telephone Company, the customer shall have the right through its authorized representative to examine and audit, during normal business hours and at reasonable intervals as determined by the Telephone Company, all such records and accounts as may under recognized accounting practices contain information bearing upon the determination of the same payable to the customer. Adjustment shall be made by the

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

3.5 Payment of Coin Sent-Paid Monies (Cont'd)

E. Audit Provisioning (Cont'd)

proper party to compensate for any errors or omissions disclosed by such examination or audit. Neither such right to examine and audit nor the right to receive such adjustment shall be affected by any statement expressly waiving such right appears in a letter signed by the authorized representative of the party having such right and delivered to the other party.

All information received or reviewed by the customer or its authorized representative is to be considered confidential and is not to be distributed, provided or disclosed in any form to anyone not involved in the audit, nor is such information to be used for any other purpose.

3.6 Rate Regulations

- A. The charges will be billed to each Switched Access Service provided under this tariff in accordance with the regulations as set forth in F. following except as set forth in D. and E. following.
- B. When access minutes are used to determine the charges, they will be accumulated using call detail recorded by Telephone Company equipment except as set forth in C. following 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 customer. The Telephone Company measuring and recording equipment except as set forth in C. following will be associated with end office or local tandem switching equipment and will record each originating and terminating access minute where answer supervision is received. The accumulated access minutes will be summed on a line by line basis, by line group or by end office, whichever type of account is used by the Telephone Company, for each customer and then rounded to the nearest minute.

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

3.6 Rate Regulations (Cont'd)

- C. When Carrier Common Line Access is provided in association with Feature Group A or Feature Group B Switched Access Service in Telephone Company offices that are not equipped for measurement capabilities, an assumed average intrastate access minutes will be used to determine the charges. These assumed access minutes are as set forth in Section 6.6.1 of the access tariff. (C)
- 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 3.3 (B) preceding, subject to the limitations of Carrier Common Line as set forth in 3.2 preceding, and the billing entity receives the usage information required to calculate the proration of Carrier Common Line as set forth in 3.4 (F) preceding, the customer will be billed as set forth in (1), (2) or (3) following.

When the customer is provided with more than one 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 services 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. (C)

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.

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

3.6 Rate Regulations (Cont'd)

D. Cont'd)

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 different states by the same Telephone Company) in the same exchange, provided by the same Telephone Company and connected directly or indirectly. For those exchanges that encompass more than one state, the customer shall report the information by state within the exchange.

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

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

3.6 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 inward 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.

(1) Access Groups - Nonequal Access Offices Only

When all the usage on a FGA or FGB access group originates from and/or terminates at end offices that have not been converted to equal access, the Nonpremium Access Charge per minute as set forth in 3.7 following will apply. When all the usage on a FGC or FGD access group originates from and/or terminates at end offices that have not been converted to equal access, the Premium Access charge per minutes as set forth in 3.7 following will apply. The minutes billed Carrier Common Line Access Service charges will be the adjusted originating intrastate access minutes. (C)

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 3.6 (D) preceding; but not less than zero. (C)

(2) Access Groups - Equal Access Offices Only

When all the usage on 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 3.7 following will apply. The minutes billed Carrier Common Line Access charges will be the adjusted originating intrastate access minutes for such access groups. (C)

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

3.6 Rate Regulations

D. (Cont'd)

(2) (Cont'd)

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. (C)

(3) FGA and FGB Access Groups - Nonequal Access and Equal Access Offices

When a FGA or FGB 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 nonpremium, per minute charges as set forth in 3.7 following will apply. The minutes billed Carrier Common Line Access Service charges will be the adjusted originating intrastate access minutes for such access groups. (C)

The adjusted originating intrastate access minutes will be the originating access minutes less the reported resold outward MTS and or MTS-type service minutes of use as set forth in 3.6 (D) preceding; but not less than zero. (C)

The adjusted originating access minutes will be apportioned between premium and nonpremium access minutes using end office specific usage data when available, or when usage data are not available, the premium and nonpremium ratios developed as set forth in Section 6.7.1 D. (3) following. The premium and nonpremium per minute charges set forth in 3.7 following will apply as appropriate to the premium and nonpremium access minutes determined in this manner.

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

3.6 Rate Regulations

D. (Cont'd)

- (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 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 3.4 (D) 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. (C)
- 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: (C)
- (1) 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 rate as set forth in 3.7 following to determine the charges.
 - (2) The access minutes for all nonpremium rated Switched Access Service subject to Carrier Common Line charges will be multiplied by the Nonpremium Access per minute rate as set forth in 3.7 following to determine the charges.
 - (3) Carrier Common Line charges shall not be reduced as set forth in 3.3 (B) preceding unless Switched Access charges, as set forth in Section 6 following, are applied to the customer's Switched Access Services.

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

3.6 Rate Regulations

F. (Cont'd)

- (4) The terminating Premium Access per minute charge(s) apply to:
- all terminating access minutes of use less all FGA or FGB access minutes terminating in nonequal access offices;
 - 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;
- (5) The originating Premium Access per minute charge(s) apply to:
- all originating access minutes of use, less all FGA or FGB access minutes originating in nonequal access offices;
 - less those originating access minutes of use associated with FGA Access Service 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 500, 800, 877, 888 and 900 (T) numbers;

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

3.7 Rates and Charges

A. Carrier Common Line Access Rates and Charges

Premium Access, per minute		
- Terminating	\$0.0000000	
- Originating – Non Toll Free	0.0134860	(C)
- Originating – Toll Free	0.0000000	(N)
Nonpremium Access, per minute		
- Terminating	\$0.0000000	
- Originating – Non Toll Free	0.0101145	(C)
- Originating – Toll Free	0.0000000	(N)

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4. End User Access Service

4.1 General

End User Access Service (End User Access) is not available to the intrastate operations of the Telephone Company.

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5. Ordering Switched and Special Access Service

This section sets forth the regulations and order related charges for 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.

5.1 Access Service Request Requirements

An Access Service Request (ASR) is used by the Telephone Company to provide the customer with Switched Access Service as set forth in Section 6 following, and Special Access Service as set forth in Section 7 following or to provide changes to existing services.

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

5.1.1 General

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

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

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

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

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5. Ordering Switched and Special Access Service

5.1 Access Service Request Requirements (Cont'd)

5.1.2 Switched Access Ordering Requirements

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

(A) Trunk Side Access Services

Feature Groups B,C,D, 500, 800, 877, 888 and 900 Access services are provided by the Telephone Company (T) via trunk side connections. Trunk side connections shall be established via orders for Entrance Facilities, Direct-Trunked Transport or Tandem-Switched Transport. 500 and 900 Access Service Trunks are provided only at Telephone Company designated switches capable of performing the customer identification function for 500 and 900 services. All 500 and 900 NXX code assignments and administration shall be in accordance with the North American Numbering Plan (NANP). 800/877/888 Access Service Trunks are offered only in conjunction with the (T) 800/877/888 customer identification function as described in 6.2.5(A)(1) and in conjunction with 800/877/888 Data Base Query Service as described in 6.2.5(D). Customers may request 800/877/888 access connections to suitably equipped end offices and access tandem offices. A list of those offices will be provided upon request. All 800/877/888 number assignments shall be administered by the Number Administration Service Center (T) (NASC) through the Service Management System (SMS). When direct routing of 500, 800, 877, 888 or 900 Access Service traffic via 500, 800, 877, 888 or 900 Access Service trunks is desired, or when the customer's (T) 500, 800, 877, 888 or 900 Access Service traffic is combined in the same trunk group arrangement with the (T) customer's FGC or FGD traffic, the customer must complete an Access Service Request as set forth in (1) or (2) following.

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

ASRs for Entrance Facilities and Direct-Trunked Transport must specify the customer designated premises, type of service (e.g., Voice Grade, DS1 or DS3), the channel interface, and any options desired. In addition, ASRs for Direct-Trunked Transport must specify any Hubs involved and the end office, when direct routing to an end office is desired, or the access tandem if direct routing to an access tandem switch for purposes of obtaining Tandem-Switched Transport is desired.

ASRs for Direct-Trunked Transport must also specify the Feature Group, number of trunks at the end office or tandem, major traffic types and directionality. Originating traffic may be categorized into Domestic, 500, 800, 877, 888, 900, operator and IDDD when the customer wishes to further segregate (T) their originating traffic.

GTE SOUTH INCORPORATED
North Carolina (Contel NC)

Section 5
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Durham, North Carolina

5. Ordering Switched and Special Access Service (Cont'd)

5.1 Access Service Request Requirements (Cont'd)

5.1.2 Switched Access Ordering Requirements (Cont'd)

(A) Trunk Side Access Services (Cont'd)

(2) Tandem-Switched Transport

Customers may order Feature Groups B, C, D, 500, 800, 877, 888 and 900 Tandem-Switched (T) Transport Services by specifying the number of trunks desired between their premises and the access tandem switch or BHMCs between the customer's premises and the end office and the Local Transport and Local Switching Options desired. When ordering by trunk quantities rather than BHMC quantities to an access tandem, the customer must also provide to the Telephone Company a Traffic Distribution Request specifying 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. The major traffic types and directionality must also be specified to enable efficient provisioning and billing functions.

VERIZON SOUTH INC.
d/b/a Verizon North Carolina

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5. Ordering Switched and Special Access Service (Cont'd)

5.1 Access Service Request Requirements (Cont'd)

5.1.2 Switched Access Ordering Requirements (Cont'd)

(A) Trunk Side Access Services (Cont'd)

(2) Tandem Switched Transport (Cont'd)

There are two major traffic types identified as Originating and Terminating traffic. Because some customers will wish to further segregate their originating traffic into separate trunk groups, originating traffic may be further categorized into intrastate, 500, 800, 877, 888, 900, and Operator Handled. (C)

When a customer orders Feature Group B, C, D, 500, 800, 877, 888 or 900 Switched Transport Service in trunks, the customer is responsible to assure that sufficient access facilities have been ordered to handle this traffic.

Customers may order Feature Groups B, C, D, 500, 800, 877, 888 or 900 Tandem Switched Transport by specifying the number of busy hour minutes of capacity (BHMC) from the customer's premises to the end office by Switched Access arrangement and by type of BHMC. This information is used to determine the number of transmission paths as set forth in 6.5.5 following. The customer then specifies the Local Transport and Local Switching options desired, and for FGB the manner in which intrastate communications shall be completed. (C)

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

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d/b/a Verizon North Carolina

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5. Ordering Switched and Special Access Service (Cont'd)

5.1 Access Service Request Requirements (Cont'd)

5.1.2 Switched Access Ordering Requirements (Cont'd)

(A) Trunk Side Access Services (Cont'd)

(2) Tandem Switched Transport (Cont'd)

BHMCs are differentiated by type and directionality of traffic carried over a Switched Access Service arrangement. Differentiation of traffic among BHMC types is necessary for the Telephone Company to properly design Switched Access Service to meet the traffic carrying capacity requirement of the customer. There are two major BHMC categories identified as Originating and Terminating. Because some customers will wish to further segregate their originating traffic into separate trunk groups, originating BHMCs are further categorized into intrastate, 500, 800, 877, 888, 900, and Operator Handled. (C)

(3) 900 NXX Code Activation/Deactivation

900 Access Service NXX Code Activation or Deactivation shall be ordered by the customer for an entire Telephone Company jurisdiction. The Telephone Company jurisdiction is set forth on Title Page 1 preceding. The customer must specify in its Access Service Request, the 900 NXX codes to be activated or deactivated and the service area requested NXX codes in all Telephone Company switches which perform the customer identification function for 900 Access Service within the service area ordered by the customer.

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

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

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North Carolina

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5. Ordering Switched and Special Access Service (Cont'd)

5.1 Access Service Request Requirements (Cont'd)

5.1.2 Switched Access Ordering Requirements (Cont'd)

(A) Trunk Side Access Services (Cont'd)

(4) Common Channel Signaling System 7 Services

When ordering SS7 Out of Band Signaling for FGD, 500, 800, 877, 888 or 900 Access Service, the ASR must specify the existing CCS7 Access Service facilities or a related ASR for CCS7 Access Service as described in the Frontier Telephone Companies Tariff FCC No. 6. The ASR must also include STP point codes, STP location identifier codes, FGD, 500, 800, 877, 888 or 900 Access Service trunk circuit identification codes, and switched type. All traffic carried by that FGD, 500, 800, 877, 888 or 900 Access Service will be equipped with Out of Band Signaling. The customer and the Telephone Company will work cooperatively to determine the number of CCS7 Access Service connections required to handle the customer's SS7 Out of Band Signaling traffic. (T)

- (5) When ordering FGD Switched Access with 950-XXXX Access as described in 6.3.2(X), the customer shall provide an ASR specifying which 950-XXXX access code(s) are to be routed and the FGD Switched Access Service over which resulting originating 950-XXXX access code calls are to be routed.

(6) (Reserved for Future Use)

(7) 500 NXX Code Activation/Deactivation

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

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

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

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d/b/a Verizon North Carolina

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Durham, North Carolina

5. Ordering Switched and Special Access Service (Cont'd)

5.1 Access Service Request Requirements (Cont'd)

5.1.2 Switched Access Ordering Requirements (Cont'd)

(B) Line Side Access Services

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

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 type of Local Transport Entrance Facility and Direct-Trunked Transport, the Local Transport options and Local Switching options desired, and the manner in which intrastate communications shall be completed. In addition, the customer shall also specify which lines are to be arranged in multiline hunt group arrangements and which lines are to be provided as single lines. (C)

When Feature Group A is ordered the terminating traffic is to be restricted to the FGA Access Area (local exchange calling area) as set forth in 6.2.1(A)(7) following or allowed to extend beyond the FGA Access area but within the LATA. When Feature Group A traffic is terminated beyond the Access Area but remains within the LATA, the rates for Switched Access as set forth in 6.5.8 following, will apply.

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d/b/a Verizon North Carolina

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5. Ordering Switched and Special Access Service (Cont'd)

5.1 Access Service Request Requirements (Cont'd)

5.1.3 Special Access Services

When placing an order for Special Access Services, the customer must provide the requirements as follows:

For all Special Access Services, the customer must specify the customer designated premises or Hubs involved, the type of service, (e.g., Voice Grade, High Capacity, etc.) the channel interface, technical specification package and options desired. 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.

5.1.4 Combined Access Service Arrangements

The Combined Access Service Arrangement optional feature, as set forth in Section 6.3.2(S) following, is ordered by a customer in the provision of that customer's intrastate WATS, 800, 877, 888, or WATS-type service to end users. Orders for the Combined Access Service Arrangement must specify the required information as set forth preceding for the appropriate Switched Access Service Feature Group and Voice Grade Special Access Service. The customer must also specify the Combined Access Service Arrangement optional features, if any, the directionality of the service to be provided (i.e, originating, terminating, or two-way) and the type of Supervisory Signaling. (C)

If the wire center that serves the customer's end user premises is not capable of providing the necessary functions to combine Switched and Special Access Services as requested by the customer or is not a WATS Serving Office (WSO) the Telephone Company will configure the Special Access portion of the service to the nearest wire center where the necessary functions exist.

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d/b/a Verizon North Carolina

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5. Ordering Switched and Special Access Service (Cont'd)

5.1 Access Service Request Requirements (Cont'd)

5.1.5 Equal Access Conversions

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

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

(A) Feature Group D Facilities Shortages

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

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

FGD resources are allocated to each IC based on the percent of end users that are presubscribed to that IC as counted 30 days prior to the conversion date. For example, if 10% of end users in an end office scheduled to be converted to equal access are presubscribed to a particular IC, 10% of the total available FGD services will be allocated to that IC. (C)

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

Contel of North Carolina, Inc.

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By: John A. Feaster, President
Weaverville, N.C.

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5. Ordering Switched and Special Access Service (Cont'd)

5.1 Access Service Request Requirements (Cont'd)

5.1.6 Provision of Other Services

- (A) Testing Service, Additional Labor, Restoration Priority and Special Facilities Routing shall be ordered with an Access Service Request or as set forth in (B) following. The rates and charges for these services, as set forth in other sections of this tariff, will apply in addition to the ordering charges set forth in this section and the rates and charges for the Access Service with which they are associated.
- (B) Where possible the Telephone Company will allow the services listed preceding to be subsequently added to an Access Service Request at any time, up to and including the service date for the Access Service. When added subsequently, charges for a design change as set forth in 5.3.1(C) following will apply when an engineering review is required.
- (C) Additional Engineering is not an ordering option, but will be applied to an Access Service Request when the Telephone Company determines that Additional Engineering is necessary to accommodate a customer request. Additional Engineering conditions and charges are as set forth in 8.1 following and are in addition to the regulations, rates and charges specified in this section.

5.1.7 Access Order Service Date Intervals

Access Service is provided with Service Date Intervals. The Service Date Interval is that period of time which the Telephone Company requires to properly provision the service and begins when the customer submits a completed Access Service Request for service, as set forth in 5.1 preceding. The Telephone Company shall publish and make available to all customers, upon reasonable request, a schedule of Service Date Intervals applicable for Switched and Special Access Services. The schedule shall specify the services and the quantities of services that can be provided in the Service Date Intervals. Service Date Interval schedules are provided during regular business days at Telephone Company offices at which the customer places an order for Access Service.

Contel of North Carolina, Inc.
d/b/a GTE (North Carolina)

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5. Ordering Switched and Special Access Service (Cont'd)

5.1 Access Service Request Requirements (Cont'd)

5.1.7 Access Order Service Date Intervals (Cont'd)

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

5.1.8 Selection of Facilities For Access Order

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

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

5.1.9 Shared Use Facilities

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

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North Carolina (Contel NC)

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5. Ordering Switched and Special Access Service (Cont'd)

5.2 Access Services Provided by More than One Telephone Company

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

(A) Single Company Billing

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

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

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Contel of North Carolina, Inc.

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Weaverville, N.C.

5. Ordering Switched and Special Access Service (Cont'd)

5.2 Access Services Provided by More than One Telephone Company (Cont'd)

(B) Multiple Company Billing

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

For all Switched and Special Access Services, the customer shall submit an ASR to each Telephone Company involved in providing the service.

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

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

(C) EAS Arrangements

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

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Durham, North Carolina

5. Ordering Switched and Special Access Service (Cont'd)

5.3 Access Order Charges

5.3.1 Access Service Request Modifications

The customer may request a modification of its Access Service Request prior to the service date. The Telephone Company will make every effort to accommodate a requested modification when it is able to do so with the normal work force assigned to complete such an order 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 Access Service Request modification, the Telephone Company will schedule a new service date. All charges for Access Service Request modifications will apply on a per occurrence basis.

Any increase in the number of Special Access Service circuits, Switched Access Service Entrance Facility circuits, Direct-Trunked Transport circuits, lines, trunks or busy hour minutes of capacity will be treated as a new Access Service Request (for the increased amount only). (T)

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

(A) Service Date Change Charge

Access Order service dates may be changed, but the new service date may not exceed the original service date by more than 30 calendar days. If the customer is unable to accept the service on the established service date and/or the customer requested service date is more than 30 calendar days after the original service date, the customer will have the option of (a) or (b) following:

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

GTE SOUTH INCORPORATED
 North Carolina (Contel NC)

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5. Ordering Switched and Special Access Service (Cont'd)

5.3 Access Order Charges (Cont'd)

5.3.1 Access Service Request Modifications (Cont'd)

(A) Service Date Change Charge (Cont'd)

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

If the service date is changed to an earlier date, and the Telephone Company determines additional labor or extraordinary costs are necessary to meet the earlier service date requested by the customer, the customer will be notified by the Telephone Company that Expedited Order Charges as set forth in (D) following apply. Such charges will apply in addition to the Service Date Change Charge.

A Service Date Change Charge will apply, on a per order per occurrence basis, for each service date change after the plant test date on the ASR. The applicable charge is: (C)
 (C)

	<u>USOC</u>	<u>CHARGE</u>
Service Date Change Charge, per order	OMC	\$26.21

(B) Partial Cancellation Charge

Any decrease in the number of ordered Special Access Service circuits or Switched Access Service lines, trunks or busy hour minutes of capacity will be treated as a partial cancellation and the charges as set forth in 5.3.2(C) following will apply.

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5. Ordering Switched and Special Access Service (Cont'd)

5.3 Access Order Charges (Cont'd)

5.3.1 Access Service Request Modifications (Cont'd)

(C) Design Change Charge

The customer may request a design change to the service ordered. A design change is any change to an Access Service Request which requires engineering review. An engineering review is a review by Telephone Company personnel, of the service ordered and the requested changes to determine what changes in the design, if any, are necessary to meet the changes requested by the customer. Design changes include such things as the addition or deletion of optional features or functions or a change in the signaling arrangements associated with Switched Access Entrance Facility interface groups. Design changes do not include a change of Switched Access Entrance Facility type, end user premises, end office switch 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 cancellation charges applied. (C)

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

	<u>USOC</u>	<u>Rate</u>
Design Change Charge, per order	H28	\$26.21

The regulations, rates and charges for Special Access Service are as set forth in Section 5.6.1(D)(1) of the Facilities for Intrastate Access Tariff. (N)
(N)

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

ACCESS SERVICE TARIFF - NCUC NO. 1

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North Carolina

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5. Ordering Switched and Special Access Service (Cont'd)

5.3 Access Order Charges (Cont'd)

5.3.1 Access Service Request Modification (Cont'd)

(D) Expedited Order Charge

When placing an Access Service Request a customer may request a service date that is prior to the Telephone Company's published service date interval. If the Telephone Company determines that the service can be provided on the requested date, an Expedited Order Charge will apply.

A customer may also request an earlier service date on a pending Access Service Request. If the customer's request can be accommodated, a Service Date Change Charge as described in Section 5.3.1(A) will apply in addition to the Expedited Order Charge.

If the Telephone Company is subsequently unable to meet an agreed upon expedited service date, the Expedited Order Charge will not apply.

In the event that the Telephone Company provides service on an expedited basis by customer request and the customer then delays service, an additional Service Date Change Charge as described in Section 5.3.1(A) will apply.

The Expedited Order Charge applies per order, based on the requested service date. A request to expedite service to be available the next day is a one day expedite, a request for service in two days is a two day expedite, and so on to a request for service a week from the request date is a seven day expedite. Expedited orders for same day service are not available. If the requested service date is at the published service date interval or later, no Expedited Order Charge will apply.

Rates for Expedited Order Charges are as follows:

One Day Expedite	\$466.00
Two Day Expedite	427.00
Three Day Expedite	388.00
Four Day Expedite	349.00
Five Day Expedite	93.00
Six Day Expedite	70.00
Seven Day Expedite	47.00

(C)

(C)

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By: John A. Feaster, President
Weaverville, N.C.**5. Ordering Switched and Special Access Service (Cont'd)****5.3 Access Order Charges (Cont'd)****5.3.2 Cancellation of an Access Service Request**

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

(A) Delay of Service Date by Customer

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

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

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

(B) Delay of Service Date by Telephone Company

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

VERIZON SOUTH INC.
d/b/a VERIZON NORTH CAROLINA

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5. Ordering Switched and Special Access Service (Cont'd)

5.3 Access Order Charges (Cont'd)

5.3.2 Cancellation of an Access Service Request (Cont'd)

(C) Cancellation Charge

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

(1) When an ASR for Special Access Service is cancelled on or after the Application Date, the Cancellation Charge is calculated, on a per ASR basis, by multiplying the total nonrecurring charges for the quantity ordered by the number of business days elapsed since the Application Date, and dividing that figure by the number of days in the service interval (i.e. the number of business days between the Application Date and the last day of the service date interval). (T)

(2) When an ASR for Switched Access Service is cancelled on or after the Application Date, the Cancellation Charge is calculated, on a per ASR basis, by multiplying the total installation charges for the quantity ordered by the number of business days elapsed since the Application Date, and dividing that figure by the number of days in the service interval (i.e. the number of business days between the Application Date and the last day of the service date interval), and adding the Switched Access Ordering Charge. (T)

(D) Partial Cancellation Charge

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

Contel of North Carolina, Inc.
 d/b/a GTE (North Carolina)
 Issued: February 28, 1994
 By: Vice President
 Durham, North Carolina

Section 5
 Original Page 17.1
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5. Ordering Switched and Special Access Service (Cont'd)

5.3 Access Order Charges (Cont'd)

5.3.3 Minimum Period Charges

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

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

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

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

For Special Access Service, and Switched Access Entrance Facility and Direct-Trunked Transport services the charge for a month or fraction thereof is the applicable monthly rates for the service as set forth in 7.2.3 and 6.6 following. (T)(M)

The Minimum Period Charge for part-time Television and Program Audio Services is the applicable daily rate for the service as set forth in Section 7.2.3 following. (M)

FRONTIER COMMUNICATIONS OF THE CAROLINAS LLC
North Carolina

Section 6
Eighth Revised Page 1
Cancels Seventh Revised Page 1
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ISSUED: June 15, 2021
BY: Vice President
Rochester, New York

6. Switched Access Service

6.1 General

The Telephone Company adopts, for intrastate Switched Access Services, Section 6 of the Frontier Telephone Companies Tariff FCC No. 6, Access Service, effective as of July 2, 2013, and any successive issues thereto. Tariff FCC No. 6 was filed with the FCC on behalf of the Telephone Company and affiliated companies and includes all the rules, regulations, rates and charges under which interstate access services will be offered. Exceptions to this adoption of the tariff schedules, if any, are as follows, and a link to Tariff FCC No. 6 is provided below.

6.2 Language

(No exceptions)

6.3 Rates and Charges

	<u>Originating</u>	<u>Terminating</u>		
Local Switching Service Category				
PREM EOS 1 (BUNDLED) – Non Toll Free	\$0.02605000	*	(C)	
PREM EOS 2 (BUNDLED) – Non Toll Free	0.02605000	*		
NONPREM EOS (BUNDLED) – Non Toll Free	0.01954000	*		
PREM EOS 1 (UNBUNDLED) CKT SW LINE – Non Toll Free	N/A	N/A		
PREM EOS 2 (UNBUNDLED) CKT SW LINE – Non Toll Free	N/A	N/A		
NONPREM EOS (UNBUNDLED) CKT SW LINE – Non Toll Free	N/A	N/A		
PREM EOS 1 (UNBUNDLED) CKT SW TRUNK – Non Toll Free	N/A	N/A		
PREM EOS 2 (UNBUNDLED) CKT SW TRUNK – Non Toll Free	N/A	N/A		
NONPREM EOS (UNBUNDLED) CKT SW TRUNK – Non Toll Free	N/A	N/A		(C)
Tandem Switched Transport Service Category				
TANDEM SWITCHED TRANSPORT TERMINATION – Non Toll Free	0.00016000	*	(C)	
TANDEM SWITCHED TRANSPORT FACILITY – Non Toll Free	0.00004000	*	(C)	
TANDEM SWITCHING – Non Toll Free	0.00137000	*	(C)	

<http://tariffs.citizenscommunications.com/crtf/tariffs/index.cfm?fuseaction=fcc&stateID=&sctnID=8&companyID=245>

* See Frontier Telephone Companies Tariff FCC No. 6 for rate.

FRONTIER COMMUNICATIONS OF THE CAROLINAS INC.
North Carolina

Section 6
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Rochester, New York

6. Switched Access Service (Cont'd)

(D)

(D)

FRONTIER COMMUNICATIONS OF THE CAROLINAS INC.
North Carolina

Section 6
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Cancels Pages Listed Below
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Third Revised Page 3	First Revised Page 60
First Revised Page 4	Third Revised Page 61
Original Pages 5, 6, 7, 8 and 9	Fourth Revised Page 62 and 63
Second Revised Pages 10 and 11	Original Pages 64 and 65
Original Pages 12, 13 and 14	Third Revised Pages 66 and 67
Second Revised Page 15	Second Revised Page 68
Original Pages 16, 17 and 18	Fifth Revised Page 69
Third Revised Pages 19 and 20	Original Page 69.1
Second Revised Page 21	Second Revised Pages 70 and 71
Third Revised Pages 22, 23 and 24	Fifth Revised Page 72
Second Revised Pages 25 and 25.1	First Revised Page 72.1
Original Pages 25.2, 25.3, 25.4, 25.5 and 25.6	Original Pages 72.2, 72.3, 72.4, 72.5, and 72.6
Second Revised Page 25.7	Sixth Revised Page 73
First Revised Page 26	Original Pages 74 and 75
Third Revised Page 27	First Revised Pages 76 and 77
First Revised Page 28	Original Page 78
Second Revised Page 29	First Revised Page 79
First Revised Page 30	Original Page 80
Second Revised Page 31	First Revised Page 81
Third Revised Page 32	Second Revised Page 82
Original Page 33	Original Page 82.1
Sixth Revised Page 34	Seventh Revised Page 82.2
First Revised Page 35	Second Revised Page 82.3
Second Revised Page 36	
Fourth Revised Page 37	
First Revised Page 37.1	
Third Revised Page 37.2	
Original Pages 37.3, 37.4, 38 and 39	
First Revised Pages 40, 41, 42 and 43	
Third Revised Pages 44 and 45	
Original Page 46	
Third Revised Page 46.1	
Original Pages 47 and 48	
Third Revised Page 49	
Original Page 50	
Fourth Revised Page 51	
First Revised Pages 52 and 53	
Third Revised Pages 54 and 54.1	
Second Revised Page 54.2	
First Revised Page 54.3	
Original Page 54.4	
First Revised Page 55	
Second Revised Page 56	
Third Revised Pages 57, 58 and 59	
Second Revised Page 59.1	

Contel of North Carolina, Inc.

Section 8
Original Page 1Issued: May 31, 1988
By: John A. Feaster, President
Weaverville, N.C.

Effective: July 1, 1988

8. Miscellaneous Services

In this section normally scheduled working hours are an employee's scheduled work period in any given calendar day (e.g., 7:00 a.m. to 4:00 p.m.) for the application of rates based on working hours. Basic Time is that time during normally scheduled working hours. Overtime is that time outside of normally scheduled working hours. Premium Time is that time outside of normally scheduled working days.

A call-out of a Telephone Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours. Work subject to Premium Time is always subject to a minimum charge of four hours.

8.1 Additional Engineering

Additional Engineering will be provided by the Telephone Company at the request of the customer or when the Telephone Company determines that Additional Engineering is necessary to accommodate a customer's request.

Additional Engineering is provided when:

- (A) A customer requests additional technical information beyond that normally include by the Telephone Company on the Design Layout Report (DLR) as set forth in Section 6.4(F) and Section 7.1.6.
- (B) Additional engineering time is incurred by the Telephone Company to engineer a customer's specific written request for a customized service or additional engineering activities which are not normally performed in the provision of services under this tariff.

The Telephone Company will notify the customer that Additional Engineering charges, as set forth in 8.1.1 following, will apply before any additional engineering is undertaken. When it is required, the customer will be so notified and will be furnished with a written statement setting forth the justification for the Additional Engineering as well as an estimate of the charges. If the customer agrees to the Additional Engineering, a firm order will be established. If the customer does not want the service or facilities after being notified that Additional Engineering of 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%.

Contel of North Carolina, Inc.

Section 8
Original Page 2

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Weaverville, N.C.

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8. Miscellaneous Services (Cont'd)

8.1 Additional Engineering (Cont'd)

8.1.1 Charges for Additional Engineering

The charge for Additional Engineering is as follows:

<u>Jurisdiction</u>	<u>Per Engineer, Per Hour, or Fraction Thereof</u>		
	<u>Basic Time</u> <u>USOC: AEH</u>	<u>Overtime*</u> <u>USOC: AEH</u>	<u>Premium Time**</u> <u>USOC: AEH</u>
Contel of North Carolina, Inc.	\$39.60	\$59.40	\$79.20

* A call-out of a Telephone Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

** Subject to a minimum charge of four hours.

Contel of North Carolina, Inc.

Section 8
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8. Miscellaneous Services (Cont'd)**8.2 Additional Labor**

Additional labor is that labor requested and authorized by the customer on a given service and agreed to by the Telephone Company as set forth in 8.2.1 through 8.2.5 following. The Telephone Company will notify the customer that additional labor charges as set forth in 8.2.7 following will apply before any additional labor is undertaken.

8.2.1 Overtime Installation USOC: ALH

Overtime installation is that Telephone Company installation effort performed outside of normally scheduled working hours.

8.2.2 Overtime Repair USOC: ALH

Overtime repair is that Telephone Company maintenance effort performed outside of normally scheduled working hours.

8.2.3 Stand by USOC: ALT

Stand by includes all time in excess of one-half (1/2) hour during which Telephone Company personnel stand by to make installation acceptance tests or cooperative tests with a customer on a given service.

8.2.4 Maintenance with Other Telephone Companies USOC: ALK

Additional labor charges apply to additional maintenance or repair of facilities which connect to facilities or other telephone companies. This is in addition to the normal efforts required to maintain or repair facilities provided solely by the Telephone Company, as set forth in Section 2.1.1(C).

8.2.5 Other Labor USOC: ALK

Other labor is that additional labor not included in 8.2.1 through 8.2.4 preceding. This includes labor incurred to accommodate a specified customer request that involves only labor which is not covered by any other section of this tariff.

Contel of North Carolina, Inc.

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Original Page 4

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8. Miscellaneous Services (Cont'd)

8.2 Additional Labor (Cont'd)

8.2.6 Charges for Additional Labor

The charges for additional labor are as follows:

<u>Jurisdiction</u>	<u>Per Technician, Per Hour, or Fraction Thereof</u>		
	<u>Basic Time</u> <u>USOC: AEH</u>	<u>Overtime*</u> <u>USOC: AEH</u>	<u>Premium Time**</u> <u>USOC: AEH</u>
Contel of North Carolina, Inc.	\$31.03	\$46.55	\$62.06

* A call-out of a Telephone Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

** Subject to a minimum charge of four hours.

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8. Miscellaneous Services (Cont'd)

8.3 Maintenance of Service

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

When a customer reports a trouble to the Telephone Company for clearance and no trouble is found in the Telephone Company's facilities, the customer shall be responsible for payment of a Maintenance of Service charge for the period of time from when Telephone Company personnel are dispatched to the customer's or customer's end user premises to when the work is completed. Failure of Telephone Company personnel to find trouble in Telephone Company facilities will result in no charge if the trouble is actually in those facilities, but not discovered at the time.

- (B) The customer shall be responsible for payment of a Maintenance of Service charge when the Telephone Company dispatches personnel to the customer's 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.

In either (A) or (B) preceding, no credit allowance will be applicable for the interruption involved if the Maintenance of Service Charge applies.

- (C) The charges for Maintenance of Service are as follows:

<u>Maintenance of Service</u> <u>Periods</u>	<u>USOC</u>	<u>Per Technician</u>
Per occurrence	MVV	The charges for Maintenance of Service are the same as those set for Additional Labor as set forth in 8.2 preceding.

Contel of North Carolina, Inc.

Section 8
Original Page 6Issued: May 31, 1988
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8. Miscellaneous Services (Cont'd)**8.4 Additional Testing**

Testing Services provides for the use of a Telephone Company technician in performing specific tests authorized by the customer including additional testing of facilities which connect to facilities of other telephone companies. Testing Services offered under this section of the tariff are optional and are in addition to acceptance tests and inservice tests performed by the Telephone Company as described in Section 6.4(G) and Section 7.1.7 preceding. Testing Services are made subject to the availability of the necessary qualified personnel and test equipment at the requested test location.

Testing Services consist of Additional Cooperative Acceptance Testing (ACAT) which is performed during installation of Access Service and Nonscheduled Testing (NST) which is performed after acceptance of Access Service by the customer. Rates and charges for Testing service are set forth in 8.4(C) following.

The Telephone Company will provide, upon request, documentation that lists the results of the tests performed. Trunk test failures requiring customer participation for trouble resolution will be provided to the customer on an as-occurs basis.

(A) Additional Cooperative Acceptance Testing

Rates and charges for Additional Cooperative Acceptance Testing of Switched and Special Access Services apply per technician used.

(1) Switched Access Service

Additional Cooperative Acceptance Testing (ACAT) of Switched Access service is performed at the time of installation and involves the Telephone Company provision of a technician at its office(s) and the customer provides a technician at its premise, with suitable test equipment to perform the required tests. The Telephone Company may, at the request of the customer, supply a technician at the customer's premises to perform the required tests.

Additional Cooperative Acceptance Testing may, for example, consist of the following tests:

- C-Notched Noise
- Impulse Noise
- Phase Jitter

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8. Miscellaneous Services (Cont'd)

8.4 Additional Testing (Cont'd)

(A) Additional Cooperative Acceptance Testing (Cont'd)

(1) Switched Access Service (Cont'd)

- Signal to C-Notched Noise Ratio
- Intermodulation Distortion (Nonlinear)
- Frequency Shift (Offset)
- Envelope Delay Distortion
- Dial Pulse Percent Break

(2) Special Access Service

When a customer provides a technician at its premises or at an end user's premises, with suitable test equipment to perform the requested tests, the Telephone Company may provide a technician at its office for the purpose of conducting Additional Cooperative Acceptance Testing on Voice Grade Services at the time of installation. At the customer's request, the Telephone Company may provide a technician at the customer's premises or at the end user premises: These tests may, e.g., consist of the following:

- Attenuation Distortion (i.e., frequency response)
- Intermodulation Distortion (i.e., harmonic distortion)
- Phase Jitter
- Impulse Noise
- Envelope Delay Distortion
- Echo Control
- Frequency Shift

(B) Nonscheduled Testing

Nonscheduled tests are performed by the Telephone Company "on demand." When a customer provides a technician at its premises with suitable test equipment to perform the required tests, the Telephone Company may provide a technician at its office for the purpose of conducting Nonscheduled Testing of Switched or Special Access services. At the customer's request, the Telephone Company may provide a technician at the customer's premises. Nonscheduled tests may consist of any tests, e.g., loss, noise, slope, envelope delay, which the customer may require. Rates and charges for Nonscheduled Testing apply per technician used.

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Original Page 8

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8. Miscellaneous Services (Cont'd)

8.4 Additional Testing (Cont'd)

(C) Rates and Charges

The charges for Additional Testing are as follows:

<u>Jurisdiction</u>	<u>Per Technician, Per Hour, or Fraction Thereof</u>		<u>Premium Time**</u> <u>USOC: AEH</u>
	<u>Basic Time</u> <u>USOC: AEH</u>	<u>Overtime*</u> <u>USOC: AEH</u>	
Contel of North Carolina, Inc.	\$28.23	\$42.50	\$56.46

* A call-out of a Telephone Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

** Subject to a minimum charge of four hours.

VERIZON SOUTH INC.
d/b/a Verizon North Carolina

Section 8
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- 8. Miscellaneous Services (Cont'd)
- 8.5 Balloting and Allocation Process for Equal Access

(D)

(D)

VERIZON SOUTH INC.
d/b/a Verizon North Carolina

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- 8. Miscellaneous Services (Cont'd)
- 8.5 Balloting and Allocation Process for Equal Access (Continued)

(D)

(D)

VERIZON SOUTH INC.
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- 8. Miscellaneous Services (Cont'd)
- 8.5 Balloting and Allocation Process for Equal Access (Continued)

(D)

(D)

VERIZON SOUTH INC.
d/b/a Verizon North Carolina

Section 8
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- 8. Miscellaneous Services (Cont'd)
- 8.5 Balloting and Allocation Process for Equal Access (Continued)

(D)

(D)

VERIZON SOUTH INC.
d/b/a Verizon North Carolina

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- 8. Miscellaneous Services (Cont'd)
- 8.5 Balloting and Allocation Process for Equal Access (Continued)

(D)

(D)

VERIZON SOUTH INC.
d/b/a Verizon North Carolina

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- 8. Miscellaneous Services (Cont'd)
- 8.5 Balloting and Allocation Process for Equal Access (Continued)

(D)

(D)

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d/b/a Verizon North Carolina

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- 8. Miscellaneous Services (Cont'd)
- 8.5 Balloting and Allocation Process for Equal Access (Continued)

(M)

VERIZON SOUTH INC.
d/b/a Verizon North Carolina

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8. Miscellaneous Services (Cont'd)

8.5 Balloting and Allocation Process for Equal Access (Continued)

(A) IPIC Charge Application

In end offices converted to Equal Access new end users, end user agents and resellers of Pay Telephones and multi-party end users who upgrade to individual lines must presubscribe to the IPIC of their choice at the time an order is placed for service. The IPIC may be an IC or LEC (the Telephone Company or another LEC). Upon the end user's, end user agent's or reseller's selection of the IPIC, at the time of placing an order, a confirmation notice will be sent identifying the IC or LEC selected as the IPIC. From the date of the confirmation notice, he will have 90 days to change his presubscription selection without a charge. If an IPIC is not chosen at the time the order for service is submitted, the end user, end user agent or reseller will be sent a confirmation notice which contains a list of ICs and LECs providing intraLATA service, and will be informed that they have 90 days to contact the IC and/or LEC of their choice or the Telephone Company to apply for the IPIC arrangement. If notice is received by the Telephone Company within 90 days of the in-service date for local service or upgrade, no charge will be billed to the end user, end user agent or reseller. If notice is received after 90 days, the end user, end user agent or reseller will be billed a nonrecurring charge for the IPIC as in 8.5(E). Until the end user, end user agent or reseller receives service from the selected carrier, he may access the carrier of his choice by dialing the appropriate 101XXXX carrier identification code.

The Telephone Company will make post conversion changes in the end user's, end users agent's or reseller's IPIC assignment pursuant to an IC or LEC provided list of Customers, accepted by the Telephone Company. Should an end user, end user agent or reseller dispute authorization of the change within two years of the IPIC assignment, the Telephone Company will place the end user on the previous carrier network where possible and the carrier will be billed according to 8.5 (B).

(M) (C)
|
(C)
(C)
(C)
(C)
(C)
(C)
(C)
(M) (C)

VERIZON SOUTH INC.
d/b/a Verizon North Carolina

Section 8
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Durham, North Carolina

8. Miscellaneous Services (Cont'd)

8.5 Balloting and Allocation Process for Equal Access (Continued)

(B) Unauthorized Primary IntraLATA Carrier (IPIC) Restoral Change (C)

An Unauthorized IPIC Change is a change in the preferred IPIC IC that the end user or Pay Telephone Service Provider denies authorizing. (C)

If an end user or Pay Telephone Service Provider denies requesting a change of IPIC IC as submitted by the alleged unauthorized IC, the alleged unauthorized IC will be assessed the IPIC Charge as specified in 8.5(E) for: (C)

- Changing the end user or Pay Telephone Service Provider to the disputed IC, and
- Placing the end user or Pay Telephone Service Provider on their previous IC network or the IC network of their choice.

In accordance with the Federal Communications Commission's Slamming Liability Rules in CC Docket 94-129, if an alleged unauthorized carrier is ultimately exonerated of liability, the alleged unauthorized IC is entitled to receive full payment from the end user or Pay Telephone Service Provider for all services provided. In such situations, any IPIC Charges assessed against the alleged unauthorized IC by the Telephone Company is subject to rebilling to the end user or Pay Telephone Service Provider by the alleged unauthorized IC. (C)

(D)

(D)

(D)

VERIZON SOUTH INC.
d/b/a Verizon North Carolina

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Durham, North Carolina

8. Miscellaneous Services (Cont'd)

8.5 Balloting and Allocation Process for Equal Access (Continued)

(D)
|
(D)

(C) Liability of the Telephone Company

If through the fault of the Telephone Company, the end user, end user agent or reseller is not subscribed to its chosen IPIC, the nonrecurring charge in 8.5(E) do not apply to reassign the end user, end user agent or reseller to his chosen IPIC.

(C)
(C)
(D)

(D) Carrier Desired Due Date (ICDDD) for IPIC Installation

An IC or LEC may request a desired due date for IPIC installation for a specific, single end user or agent acting on behalf of an end user post equal access conversion. This ICDDD is a mutually agreed upon negotiated due date, determined to be between 3 and 45 business days from the date of receipt of the order. The carrier must coordinate the ICDDD with the Telephone Company prior to sending in the first order.

(C)

The ICDDD does not apply to routine lists provided by the carrier. The Nonrecurring Charge for IPIC as set forth in 8.5(E) applies to each line converted to the carrier requesting ICDDD. This charge will be billed to the carrier's end user Customer.

(C)
(C)

(E) Nonrecurring Charge for Primary IntraLATA Carrier (IPIC)

The nonrecurring charge for IPIC is as follows:

(C)
(C)

	<u>Nonrecurring Charge</u>	<u>GSEC</u>
Per Telephone Company Local Service Line or Trunk	\$ 3.20	NAAPS (IPIC)

ACCESS SERVICE TARIFF - NCUC NO. 1

VERIZON SOUTH INC.
d/b/a Verizon North Carolina

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Durham, North Carolina

8. Miscellaneous Services (Cont'd)

8.5 Balloting and Allocation Process for Equal Access (Continued)

(M) (Deleted)

(D)

(D)

8.5.1 End User/Agent Lists

(A) Presubscription List

(1) InterLATA Equal Access

Prior to conversion to equal access (i.e., introduction of FGD or BSA-D in an end office switch) an IC may request a list of the Telephone Company's end users and agents of record served from that end office switch. The Presubscription List will be provided as follows:

(a) The Telephone Company will provide a list from its customer data base. The list may be provided on magnetic tape, electronic transmission or paper printout, at the option of the IC, at rates provided in 8.5.2(A) Foreign listings, PBX stations, CU Centrex stations and numbers not in service will not be provided.

(1) The initial list will be provided to the IC no later than 30 days after receipt of the order and payment by the IC of charges as set forth in 8.5.2(A). The nonrecurring charge for the initial list applies per order. A single order may contain all end offices having the same equal access conversion date. The telephone number will not be provided if an end user or agent has a nonpublished number.

(2) The Account Activity List, which includes a listing of all changes to the customer data base, since the initial list was produced, will be provided on a cyclic basis. The Account Activity List will only include information for those end users and agents that are presubscribed to the IC (including end users and agents with nonpublished numbers) for the sole purpose of updating the IC's customer account information. There is no charge for this list.

(b) The IC agrees to use the Initial and Account Activity Lists for the sole purpose of either contacting potential customers/agents, or existing customers/ agents, regarding interexchange telecommunications services available through equal access to be obtained from the Telephone Company or for the purpose of updating IC customer/agent account information. The IC agrees not to sell, or reproduce in any manner, in whole or in part, the lists or permit such to be done.

GTE SOUTH INCORPORATED

North Carolina (Contel NC)

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Durham, North Carolina

Section 8

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8. Miscellaneous Services (Cont'd)8.5 Balloting and Allocation Process for Equal Access (Continued)

(C)

8.5.1 End User/Agent Lists (Continued)

(N)

(A) Presubscription List (Continued)(1) InterLATA Equal Access (Continued)

(c) The IC shall indemnify, protect and save harmless the Telephone Company from and against any and all loss, liability, damages and expense arising out of any demand, claim, suit or judgment for damages which may arise out of the Telephone Company's supplying of listing information, services or records.

(d) The Telephone Company and the IC agree that the mutual objective of the parties is to conduct their respective businesses to avoid confusion by the end users and agents as to the separate and independent identity of the respective companies and their services. Neither the Telephone Company nor the IC shall make any representation to end users, the public, prospective advertisers, expressed or implied, written or oral, which would imply that the IC is the same as, a part of, or associated with the Telephone Company.

(e) This service may be terminated by either the Telephone Company or the IC upon thirty (30) days' written notice. The Telephone Company reserves the right to terminate this service immediately upon written notice if the IC misuses the list information. Performance by the Telephone Company shall be excused in the event of strike, riot, act of God or any other cause beyond the reasonable control of the Telephone Company.

(2) IntraLATA Equal Access

Prior to conversion to intraLATA equal access an IC or LEC may request a list of the Telephone Company's end users and agents of record served from that end office switch. A single Presubscription List will be provided to intraLATA toll providers as follows:

(a) The Telephone Company will provide a list from its Customer data base. The list may be provided on magnetic tape, electronic transmission or paper printout, at the option of the IC or LEC, at rates provided in 8.5.2(A) Foreign listings, PBX stations, CU centrex stations, public coin station and numbers not in service will not be provided.

(1) The Initial List will be provided to the IC or LEC no later than 30 days after receipt of the order and payment by the IC or LEC of charges in 8.5.2(A). The nonrecurring charge for the Initial List applies per order. A single order may contain all end offices having the same intraLATA equal access conversion date. The telephone number will not be provided if an end user or agent has a nonpublished number.

(N)

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8. Miscellaneous Services (Cont'd)

8.5 Balloting and Allocation Process for Equal Access (Continued)

(C)

8.5.1 End User/Agent Lists (Continued)

(N)

(A) Presubscription List (Continued)

(2) IntraLATA Equal Access (Continued)

(a) (Continued)

(2) The Account Activity List, which includes a listing of all changes to the Customer data base, since the Initial List was produced, will be provided on a cyclic basis. The Account Activity List will only include information for those end users and agents that are presubscribed to the IC or LEC (including end users and agents with nonpublished numbers) for the sole purpose of updating the IC's or LEC's Customer account information. There is no charge for this list.

(b) The IC or LEC agrees to use the Initial and Account Activity Lists for the sole purpose of contacting potential Customers/agents, or existing Customers/ agents, regarding intraLATA telecommunications services available through equal access to be obtained from the Telephone Company. The IC or LEC agrees not to sell, or reproduce in any manner, in whole or in part, the lists or permit such to be done.

(c) The IC or LEC shall indemnify, protect and save harmless the Telephone Company from and against any and all loss, liability, damages and expense arising out of any demand, claim, suit or judgment for damages which may arise out of the Telephone Company's supplying of listing information, services or records.

(d) The Telephone Company and the IC or LEC agree that the mutual objective of the parties is to conduct their respective businesses to avoid confusion by the end users and agents as to the separate and independent identity of the respective companies and their services. Neither the Telephone Company nor the IC or LEC shall make any representation to end users, the public, prospective advertisers, expressed or implied, written or oral, which would imply that the IC or LEC is the same as, a part of, or associated with the Telephone Company.

(e) This service may be terminated by either the Telephone Company or the IC or LEC upon thirty (30) days' written notice. The Telephone Company reserves the right to terminate this service immediately upon written notice if the IC or LEC misuses the list information. Performance by the Telephone Company shall be excused in the event of strike, riot, act of God or any other cause beyond the reasonable control of the Telephone Company.

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8.5 Balloting and Allocation Process for Equal Access (Continued)

(C)

8.5.1 End User/Agent Lists (Continued)

(N)

(B) Allocation Lists

- (1) The Telephone Company will provide to the IC or LEC, at no charge, a list of end users and agents that have been allocated to the IC or LEC as described in 8.5(B). This list will be provided after the Balloting and Allocation Process occurs.
- (2) A list of all end users and agents who have been allocated, in accordance with 8.5(B), will be available to an IC or LEC upon request. Charges in 8.5.2(A) will apply. The nonrecurring charge for the Allocation List applies each time the IC or LEC orders the service. A single order may contain all end offices having the same equal access conversion date.

8.5.2 End User/Agent Lists - Rates and Charges

(A) Initial and Allocation Lists

Nonrecurring Charge Per ASR USOC - DMT	Initial List Per Customer Account* USOC - 2Y6CT	Allocation List Per Listing* USOC - 2Y6CT
\$ 50.00	\$.03	\$.03

* For the purpose of the Initial Lists a customer and agent is defined in Section 2.6 preceding. For the purpose of the Allocation list, a listing is defined as an end user or agent record eligible for a Predesignated Interexchange Carrier Selection.

(N)

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8. Miscellaneous Services (Cont'd)8.6 Protective Connecting Arrangements

The following Protective Connecting Arrangements (PCAs) are grandfathered and are offered on the basis of on-the-shelf availability:

<u>Description</u>	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>
Automatic PCA with a contact type signaling interface for 2 or 4-wire voice-band connections of CPE communications systems to Telephone Company Special Access Services.	CDQ	\$ 5.85	-
Automatic PCA for connection of a customer, authorized user or joint user provided communications system arranged for CPE dial or automatic channel signaling, to a Telephone Company Special Access Service which terminates at the distant end in a telephone company-provided PBX arranged for dial or automatic signaling (4 wire).	C234W	10.10	87.15
PCA which provides for connection of CPE automatic telephone answering devices to central office, PBX trunk, key system lines, and centrex station lines by means of a 2-wire interface.	PA6++	ICB rates and charges apply	
PCA for connection of CPE answering or recording equipment to Telephone Company lines, for one-way voice transmission in each direction but not simultaneously. Recording of two-way conversations is prevented, by the PCA.	RDL	5.40	30.75

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<u>Description</u>	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>
PCA for use with CPE answer only equipment where two-way transmission is required.	PFZ++	ICB rates and charge apply	
Same application as PFZ++ with voice control disconnect and automatic receive volume limiting.	PF9++	ICB rates and charges apply	
PCA for use with CPE to provide data on PBX trunks. Also requires standard PBX trunk PCA.	PGA++	ICB rates and charges apply	
PCA to permit connection of CPE message registers to exchange facilities of the Telephone Company for indications of message registration for outgoing calls over the associated central office trunks (facilities). Each trunk would also have a PCA (typically CDH or CD8) for connection of the CPE PBX. Association of the trunk with the station is made by the CPE.	PGB++	ICB rates and charges apply	
Alarm coupler for use with rotary dial, one-way transmission CPE alarm signaling device.	PGH++	ICB rates and charges apply	

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<u>Description</u>	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>
PCA to permit the connection of CPE to a Telephone Company special recording trunk arranged for 2-way service, i.e., outward dialing by hotel/motel guests and answering by the operator of the Telephone Company long distance switch-board (the equivalent of a toll terminal).	PDA++	ICB rates and charges apply	
For termination of CPE tie lines, with CPE channel signaling, in Centrex systems 4-wire.	C2H	\$ 7.20	\$ 21.60
PCA used for automatic connection of CPE voice transmitting and/or receiving terminal equipment to an exchange line or PBX/CTX station line, or two a WATS Access Line.	C2ACP	9.40	7.80
PCA to provide for connection of CPE terminal equipment to Telephone Company central office key system and PBX station lines and WATS Access Lines via 3-wire interface.	PDJ++	ICB rates and charges apply	

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<u>Description</u>	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>
PCA for connection of CPE voice communications systems and/or terminal equipment via 2-wire interface to Telephone Company lines and trunks (only loop start trunks not equipped for toll diversion), or terminal equipment.	PDK+	ICB rates and charges apply	
Manual PCA used to connect a cord switchboard position of CPE system, which provides supervisory signals, to an exchange trunk line.	PDQ++	ICB rates and charges apply	
Automatic PCA used to connect an exchange trunk line arranged for two-way combination service to and from the attendant position and from the dial switching equipment of a CPE system.	CDH	\$ 10.45	\$ 39.05
Automatic PCA used to connect an exchange trunk line arranged for one-way incoming service to the attendant position of a CPE system.	PDV++	ICB rates and charges apply	
Automatic PCA used to connect an exchange trunk line arranged for one-way outgoing service from the attendant position of a CPE system.	PDZ++	ICB rates and charges apply	

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<u>Description</u>	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>
Automatic PCA used to connect an exchange trunk line arranged for one-way outgoing service from the dial switching equipment of a CPE system.	PFA++	ICB rates and charges apply	
Automatic PCA used to connect an exchange trunk line arranged for one-way service, to and from the attendant position of a CPE system.	CD9	\$ 7.80	\$ 39.05
PCA used for automatic connecting of CPE voice transmitting and/or receiving terminal equipment bridged to an exchange line or PBX/CTX station line, or to a Switched Access Line, e.g., WATS access line, which is terminated in a Telephone Company station.	C2AKS	9.40	7.80
Automatic PCA used to connect an exchange trunk line, arranged for one-way service, i.e., outward dialing by hotel/motel guests to the operator position of a Telephone Company long distance switchboard (the equivalent of a toll terminal).	PFV++	ICB rates and charges apply	
PCA to provide for connection of CPE originate only or originate and answer terminal equipment.	PFW++	ICB rates and charges apply	

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8. Miscellaneous Services (Cont'd)

8.7 Miscellaneous Equipment

(A) Controller Arrangement

This arrangement enables the customer to control up to 48 transfer function at a Telephone Company central office via a remote keyboard terminal capable of either 300 or 1200 bps operation. Included as part of the Controller Arrangement is a dial-up data station located at the Telephone Company Central Office to provide access to the Controller Arrangement. This dial-up data station consists of a 212A DATAPHONE data set and an appropriate Telephone Company provided channel.

The Controller Arrangement must be located in the same Telephone Company central office as the transfer functions which it controls.

	<u>USOC</u>	<u>Monthly Charge</u>
- Per arrangement	XTDDU	\$100.00

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8. Miscellaneous Services (Cont'd)

8.8 Restoration Priority

The Telephone Company will arrange a Special Access Service for Restoration Priority on receipt of certification in conformance with Part 64, Subpart D, Appendix A of the Federal Communications Commission's Rules and Regulations. A charge applies when a request to provide or change a Restoration Priority is received subsequent to the issuance of an Access Order to install the service. No charge applies when a Restoration Priority is discontinued.

Nonrecurring Charge

Restoration priority,
per service arranged

\$104.02

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Weaverville, N.C.**8. Miscellaneous Services (Cont'd)****8.9 Standard Jacks - Registration Program**

Standard jacks are provided by the Telephone Company to connect Registered Equipment to those services that are subject to the Registration Program as set forth in Section 2.5 preceding. The use of jacks is covered in Part 68 of the FCC's Rules and Regulations. Specific jacks are described in the document on file with the FCC entitled "Descriptions of Standard Registration Program Connection Configurations Supplementing Configurations Described in Subpart F of Part 68 of FCC's Rules and Regulations."

These jacks are used to terminate services provided by the Telephone Company. Other services or facilities provided by the Telephone Company or by others may also be terminated in any space capacity of the jacks remaining after installation without additional charge for the use of such capacity.

The nonrecurring charges, which include installation, for standard jacks and their typical uses are set forth following:

	<u>USOC</u>	<u>Nonrecurring Charges</u>
(A) <u>Standard Voice Jacks</u>		
(1) Miniature six-position jacks for connection of terminal equipment as follows:		
(a) Single line telephone set surface or flush mounted.	RJ11C	\$10.00
(b) Single line telephone sets wall mounted.	RJ11W	10.00

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8. Miscellaneous Services (Cont'd)8.9 Standard Jacks - Registration Program(A) Standard Voice Jacks (Cont'd)

	<u>USOC</u>	<u>Nonrecurring Charges</u>
(1) (Cont'd)		
(c) Two-line non-key telephone sets surface or flush mounted.	RJ14C	\$10.00
(d) Single-line bridged 4-wire exchange 2/RT, T1/R1.	RJ1DC	10.00
(e) Two-line non-key telephone sets wall mounted.	RJ14W	10.00
(f) Special single line equipment for use in hospital critical care areas.	RJ17C	10.00
(g) 9DB single line data equipment with mode indication and mode indication common leads. This jack is normally used in association with a series jack.	RJ16X	10.00
(h) Three-line non-key telephone sets and ancillary devices.	RJ25C	49.00
(2) 50 Position Miniature Ribbon for connection of multiline terminating equipment and channel derivation devices as follows:		

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(2) (Cont'd)

	<u>USOC</u>	<u>Nonrecurring Charges</u>
(a) For connection to 2-wire tie trunks E&M type I signaling. (12 line capacity)	RJ2EX	\$160.00
(b) For connection to 4-wire tie trunks E&M type I signaling. (8 line capacity)	RJ2EX	160.00
(c) For connection to 2-wire tie trunks E&M type II signaling. (8 line capacity)	RJ2FX	160.00
(d) For connection to 4-wire tie trunks E&M type II signaling. (6 line capacity)	RJ2HX	160.00
(e) For connection to off-premises station lines. (25 line capacity)	RJ2IX	160.00
(f) For use with series devices such as toll restrictors. (12 line capacity)	RJ71C	105.00
(g) For connection of up to 12 line bridged 4-wire exchange 2/RT, T1/R1.	RJ2DX	100.00

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8. Miscellaneous Services (Cont'd)8.9 Standard Jacks - Registration Program (Cont'd)(A) Standard Voice Jacks (Cont'd)

	<u>USOC</u>	<u>Nonrecurring Charges</u>
(3) Series Jacks for connection of terminal equipment as follows:		
(a) Single line alarm reporting devices.	RJ31X	\$ 66.00
(b) Series ancillary devices such as automatic dialers. Single line sets with exclusion.	RJ32X	66.00
(c) Two line telephone sets with exclusion on one line.	RJ37X	66.00
(4) Weatherproof Jack for use with single line telephone sets used at locations such as boats and marinas.	RJ15C	120.00

(B) Standard Data Jacks

(1) Universal Data Jack for use in connecting fixed loss loop (FLL) and programmed (P) types of data equipment. (1 line capacity)	RJ41S	65.00
(2) Programmed Data Jack for use in connecting programmed data equipment. (1 line capacity)	RJ45S	65.00

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8. Miscellaneous Services (Cont'd)

8.9 Standard Jacks - Registration Program (Cont'd)

(B) Standard Data Jacks (Cont'd)

	<u>USOC</u>	<u>Nonrecurring Charges</u>
<p>(3) Multiple Line Universal Data Jack for use in connecting fixed loss loop (FLL) and programmed (P) types of data equipment. This jack will terminate up to eight lines. The selection of this jack requires the use of the equipment listed following.</p>	RJ26X	\$290.00
<p>(a) Multiple Line Universal Data Jack Circuit Cards. For use with RJ26X. One circuit card per circuit required.</p>	RJ26S	79.00
<p>(b) Multiple Line Universal Data Jacking Mounting options. For use with RJ26X. One required per RJ26X.</p>		
- Wall Mounting with cover.	RJM3X	45.00
- Rack Mounting (19 inch or 23 inch)	RJM4X	28.00

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9. Interface Groups, Transmission Specifications and Channel Codes

9.1 Local Transport Interface Groups

Ten Interface Groups are provided for terminating the Local Transport at the customer's premises. Each Interface Group provides a specified premises interface code (e.g., two-wire, four-wire, DS1, etc.). At the option of the customer and where transmission facilities permit, the individual transmission path between the customer's premises and the first point of switching may be provided with optional features as set forth in Section 6.3.1 preceding.

As a result of the customer's access order and the type of Telephone Company transport facilities serving the customer's premises, the need for signaling conversions or two-wire to four-wire conversions, or the need to terminate digital or high frequency facilities in channel bank equipment may require that Telephone Company equipment be placed at the customer's premises. For example, if a voice frequency interface is ordered by the customer and the Telephone Company facilities serving the 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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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

9.1 Local Transport Interface Groups (Cont'd)

Interface Group 1 is provided with Type C Transmission Specifications, and Interface Groups 2 through 10 are provided with Type A or B Transmission Specifications, depending on the Feature Group and whether the Access Service is routed directly or through an access tandem. All Interface Groups are provided with Data Transmission Parameters.

Only certain premises interfaces are available at the customer's premises. The premises interfaces codes associated with the Interface Groups may vary among Feature Groups. The various premises interfaces codes which are available with the Interface Groups, and the Feature Groups with which they may be used, are set forth in 9.1.11 following.

For each of the ten Interface Groups described following, the transmission path between the point of termination at the customer's premises and the first point of switching may be comprised of any form or configuration of plant and equipment capable of and typically used in the telecommunications industry for the transmission of voice and associated telephone signals within the frequency bandwidth of 300 to 3000 Hz.

9.1.1 Interface Group 1 (USOC TPP1X)

Interface Group 1 provides a two-wire voice frequency transmission path at the point of termination at the customer's premises. Interface Group 1 is not provided in association with FGC and FGD when the first point of switching is an access tandem. In addition, Interface Group 1 is not provided in association with FGB, FGC or FGD when the first point of switching can only provide four-wire terminations.

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

9.1 Local Transport Interface Groups (Cont'd)

9.1.1 Interface Group 1 (USOC TTP1X) (Cont'd)

The interface is provided with loop supervisory signaling. When the interface is associated with FGA, such signaling will be loop start or ground start signaling. When the interface is associated with FGB, FGC or FGD, such signaling will be reverse battery signaling. When FGB, FGC, or FGD access service is associated with a two-way calling interface, E&M signaling shall be used.

9.1.2 Interface Group 2 (USOC TTP2X)

Interface Group 2 provides four-wire voice frequency transmission at the point of termination at the customer's premises. The interface is provided with loop supervisory signaling. When the interface is associated with FGA, 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-calling which is E&M signaling, will be reverse battery signaling.

9.1.3

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

9.1 Local Transport Interface Groups (Cont'd)

9.1.4

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9.1.5

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

9.1 Local Transport Interface Groups (Cont'd)

9.1.6 Interface Group 6 (USOC TPP6X)

Interface Group 6 provides DS1 level digital transmission at the point of termination at the customer's premises. The interface is capable of transmitting electrical signals at a nominal 1.544 Mbps, with the capability to channelize up to 24 voice frequency transmission paths. Before the first point of switching, when analog switching utilizing analog terminations is provided, the Telephone Company will provide multiplex and channel bank equipment to derive 24 transmission paths with a frequency bandwidth of approximately 300 to 3000 Hz. When digital switching or analog switching with digital carrier terminations is provided, the Telephone Company will provide, at the first point of switching, a DS1 signal in D3/D4 format.

The interface is provided with bit stream supervisory signaling for each individual transmission channel.

9.1.7

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

9.1 Local Transport Interface Groups (Cont'd)

9.1.8 Interface Group 8 (USOC TPP8X)

Interface Group 8 provides DS2 level digital transmission at the point of termination at the customer's premises. The interface is capable of transmitting electrical signals at a nominal 6.312 Mbps, with the capability to channelize up to 96 voice frequency transmission paths. Before the first point of switching, when analog switching utilizing analog terminations is provided, the Telephone Company will provide multiplex and channel bank equipment in its office to derive up to 96 transmission paths with a frequency bandwidth of approximately 300 to 3000 Hz. When digital switching, or analog switching with digital carrier terminations is provided, the Telephone Company will provide, at the first point of switching, DS1 signals in D3/D4 format.

The interface is provided with bit stream supervisory signaling for each individual transmission channel.

Interface Group 8 is provided on an Individual Case Basis.

(N)

9.1.9 Interface Group 9 (USOC TPP9X)

Interface Group 9 provides DS3 level digital transmission at the point of termination at the customer's premises. The interface is capable of transmitting electrical signals at a nominal 44.736 Mbps, with the capability to channelize up to 672 voice frequency transmission paths. Before the first point of switching, when analog switching utilizing analog terminations is provided, the Telephone Company will provide multiplex and channel bank equipment to derive up to 672 transmission paths with a frequency bandwidth of approximately 300 to 3000 Hz. When digital switching, or analog switching with digital carrier terminations is provided, the Telephone Company will provide, at the first point of switching, DS1 signals in D3/D4 format.

The interface is provided with bit stream supervisory signaling for each individual transmission channel.

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

9.1 Local Transport Interface Groups (Cont'd)

9.1.10 Interface Group 10 (USOC TPPAX)

Interface Group 10 provides DS4 level digital transmission at the point of termination at the customer's premises. The interface is capable of transmitting electrical signals at a nominal 274.176 Mbps, with the capability to channelize up to 4032 voice frequency transmission paths. Before the first point of switching, when analog switching utilizing analog terminations is provided, the Telephone Company will provide multiplex and channel bank equipment to derive up to 4032 transmission paths with a frequency bandwidth of approximately 300 to 3000 Hz. When digital switching or analog switching with digital carrier terminations is provided, the Telephone Company will provide, at the first point of switching, DS1 signals in D3/D4 format.

The interface is provided with bit stream supervisory signaling for each individual transmission channel.

Interface Group 10 is provided on an Individual Case Basis.

(N)

9.1.11 Available Premises Interface Codes

Following is a matrix showing which premises interface codes are available for each Interface Group as a function of the Telephone Company switch supervisory signaling and Feature Group. For explanations of these codes, see the Glossary of Channel Interface Codes in section 7.5.1 preceding.

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)9.1 Local Transport Interface Groups (Cont'd)9.1.11 Available Premises Interface Codes (Cont'd)

<u>Interface Group</u>	<u>Telephone Company</u>		<u>Premises Interface Code</u>	<u>Feature Group</u>				
	<u>Switch</u>	<u>Supervisory Signaling</u>		<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	
1	LO		2LS2	X				
	LO		2LS3	X				
	GO		2GS2	X				
	GO		2GS3	X				
	LO, GO		2DX3	X				
	LO, GO		4EA3-E	X				
	LO, GO		4EA3-M	X				
	LO, GO		6EB3-E	X				
	LO, GO		6EB3-M	X				
	RV, EA, EB, EC		2DX3		X	X	X	
	RV, EA, EB, EC		4EA3-E		X	X	X	
	RV, EA, EB, EC		4EA3-M		X	X	X	
	RV, EA, EB, EC		6EB3-E		X	X	X	
	RV, EA, EB, EC		6EB3-M		X	X	X	
	EA, EB, EC		6EC3			X	X	
	RV		2RV3-O		X	X	X	
	RV		2RV3-T		X	X	X	
	2	LO, GO		4SF2	X			
		LO, GO		4SF3	X			
		LO		4LS2	X			
LO			4LS3	X				
LO			6LS2	X				
GO			4GS2	X				
GO			4GS3	X				
GO			6GS2	X				
LO, GO			4DX2	X				
LO, GO			4DX3	X				
LO, GO			6EA2-E	X				
LO, GO			6EA2-M	X				
LO, GO			8EB2-E	X				
LO, GO			8EB2-M	X				
LO, GO			6EX2-E	X				

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

9.1 Local Transport Interface Groups (Cont'd)

9.1.11 Available Premises Interface Codes (Cont'd)

<u>Interface Group</u>	<u>Telephone Company</u> <u>Switch Supervisory Signaling</u>	<u>Premises</u> <u>Interface Code</u>	<u>Feature Group</u>			
			<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>
2 (Cont'd)	RV, EA, EB, EC	4SF2		X	X	X
	RV, EA, EB, EC	4SF3		X		
	RV, EA, EB, EC	4DX2		X	X	X
	RV, EA, EB, EC	4DX3		X	X	X
	RV, EA, EB, EC	6DX2			X	
	RV, EA, EB, EC	6EA2-E		X	X	X
	RV, EA, EB, EC	6EA2-M		X	X	X
	RV, EA, EB, EC	6EA2-E		X	X	X
	RV, EA, EB, EC	8EB2-M		X	X	X
	EA, EB, EC	8EB2-M			X	X
	RV	4RV2-O		X	X	X
	RV	4RV2-T		X	X	X
	RV	4RV3-O		X	X	X
	RV	4RV3-T		X	X	
3	LO, GO	4AH5-B	X			
	RV, EA, EB, EC	4AH5-B		X	X	X
4	LO, GO	4AH6-C	X			
	RV, EA, EB, EC	4AH6-C		X	X	X
5	LO, GO	4AH6-D	X			
	RV, EA, EB, EC	4AH6-D		X	X	X
6	LO, GO	4DS9-15	X			
	LO, GO	4DS9-15L	X			
	RV, EA, EB, EC	4DS9-15		X	X	X
	RV, EA, EB, EC	4DS9-15L		X	X	X
7	LO, GO	4DS9-31	X			
	RV, EA, EB, EC	4DS9-32		X	X	X
	LO, GO	4DS9-31	X			
	RV, EA, EB, EC	4DS9-31		X	X	X

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

9.1 Local Transport Interface Groups (Cont'd)

9.1.11 Available Premises Interface Codes (Cont'd)

<u>Interface Group</u>	<u>Telephone Company Switch Supervisory Signaling</u>	<u>Premises Interface Code</u>	<u>Feature Group</u>			
			<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>
8	LO, GO	4DSO-63	X			
	LO, GO	4DSO-63L	X			
	RV, EA, EB, EC	4DSO-63		X	X	X
	RV, EA, EB, EC	4DSO-63L		X	X	X
9	LO, GO	4DS6-44	X			
	LO, GO	4DS6-44L	X			
	RV, EA, EB, EC	4DS6-44		X	X	X
	RV, EA, EB, EC	4DS6-44L		X	X	X
10	LO, GO	4DS6-27	X			
	LO, GO	4DS6-27L	X			
	RV, EA, EB, EC	4DS6-27		X	X	X
	RV, EA, EB, EC	4DS6-27L		X	X	X

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

9.2 Transmission Specifications for Switched Access Service

The Telephone Company will maintain existing transmission specifications on functioning service configurations installed prior to the effective date of this tariff except that service configurations having performance specifications exceeding the standards listed in this provision will be maintained at performance levels specified in this tariff.

The transmission specifications contained in the Section are immediate action limits. Acceptance limits are set forth in Technical Reference TR-NPL-000334. This Technical Reference also provides the basis for determining Switched Access Service maintenance limits.

9.2.1 Standard Transmission Specifications

Following are descriptions of the three Standard Transmission Specifications available with Switched Access Service. The specific applications in terms of the Switched Access Arrangements and Interface Groups with which the Switched Access Arrangement Standard Transmission Specifications are provided are set forth in Section 6.2 preceding.

(A) Type A Transmission Specifications

Type A Transmission Specifications is provided with the following parameters:

(1) Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is ± 2.0 dB.

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

9.2 Transmission Specifications for Switched Access Service (Cont'd)

9.2.1 Standard Transmission Specifications (Cont't)

(A) Type A Transmission Specifications (Cont'd)

(2) Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 2804 Hz frequency band relative to the loss 1004 Hz is -1.0 dB to +3.0 dB.

(3) C-Message Noise

The maximum C-Message Noise for the transmission path at the route miles listed is less than or equal to:

<u>Route Miles</u>	<u>C-Message Noise</u>
Less than 50	32 dBmCO
51 to 100	34 dBmCO
101 to 200	37 dBmCO
201 to 400	40 dBmCO
401 to 1,000	42 dBmCO

(4) C-Notch Noise

The maximum C-Notch Noise, utilizing a -16 dBmO holding tone, is less than or equal to 45 dBmCO.

(5) Echo Control

Echo Control, identified as Equal level Echo Path Loss, and expressed as Echo Return Loss and Singing Return Loss, is dependent on the routing, i.e., whether the service is routed directly from the customer's point of termination (POT) to the end office or via an access tandem. It is equal to or greater than the following:

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

9.2 Transmission Specifications for Switched Access Service (Cont'd)

9.2.1 Standard Transmission Specifications (Cont't)

(A) Type A Transmission Specifications (Cont'd)

(5) Echo Control (Cont'd)

	<u>Echo Return Loss</u>	<u>Singing Return Loss</u>
POT to Access Tandem	21 dB	14 dB
POT to End Office		
- Direct	N/A	N/A
- Via Access Tandem	16 dB	11 dB

(6) Standard Return Loss

Standard Return Loss expressed as Echo Return Loss and Singing Return Loss on two-wire ports of a four-wire point of termination shall be equal to or greater than:

<u>Echo Return Loss</u>	<u>Singing Return Loss</u>
5 dB	2.5 dB

(B) Type B Transmission Specifications

Type B Transmission Specifications is provided with the following parameters:

(1) Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is ± 2.5 dB.

(2) Attenuation Distortion

The maximum Attenuation Distortion is the 404 to 2804 Hz frequency band relative to loss at 1004 Hz is -2.0 dB to +4.0 dB.

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

9.2 Transmission Specifications for Switched Access Service (Cont'd)

9.2.1 Standard Transmission Specifications (Cont't)

(B) Type B Transmission Specifications (Cont'd)

(3) C-Message Noise

The maximum C-Message Noise for the transmission path at the route miles listed is less than or equal to:

<u>Route Miles</u>	<u>C-Message Noise*</u>	
	<u>Type B1</u>	<u>Type B2</u>
less than 50	32 dBrnCO	35 dBrnCO
51 to 100	33 dBrnCO	37 dBrnCO
101 to 200	35 dBrnCO	40 dBrnCO
201 to 400	37 dBrnCO	43 dBrnCO
401 to 1,000	39 dBrnCO	45 dBrnCO

(4) C-Notch Noise

The maximum C-Notch Noise, utilizing a -16 dBmO holding tone is less than or equal to 47 dBrnCO.

(5) Echo Control

Echo Control, identified as Impedance Balance for FGA and FGB and Equal Level Echo Path Loss for FGC and FGD, and expressed as Echo Return Loss (ERL) and Singing Return Loss (SRL), is dependent on the routing, i.e., whether the service is routed directly from the customer's point of termination (POT) to the end office or via an access tandem. The ERL and SRL also differ by Switched Access service, type of termination, and type of transmission path. They are greater than or equal to the following:

* For Feature Groups C and D only Type B2 will be provided. For Feature Groups A and B, Type B1 or B2 will be provided as set forth in Technical Reference TR-NPL-000334.

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

9.2 Transmission Specifications for Switched Access Service (Cont'd)

9.2.1 Standard Transmission Specifications (Cont'd)

(B) Type B Transmission Specifications (Cont'd)

(5) Echo Control (Cont'd)

	<u>Echo Return Loss</u>	<u>Singing Return Loss</u>
POT to Access Tandem		
- Terminated in		
4-Wire trunk	21 dB	14 dB
POT to End Office		
- Terminated in		
2-Wire trunk	16 dB	11 dB
POT to End Office		
- Direct	16 dB	11 dB
- Via Access Tandem		
For FGB access	8 dB	4 dB
For FGC access		
(Effective		
4-Wire trans-		
mission path		
at end office)	16 dB	11 dB
For FGC access		
(Effective		
2-Wire trans-		
mission path		
at end office)	13 dB	6 dB

(6) Standard Return Loss

Standard Return Loss, expressed as Echo Return Loss and Singing return Loss, on two-wire ports of a four-wire point of termination shall be equal to or greater than:

<u>Echo Return Loss</u>	<u>Singing Return Loss</u>
5 dB	2.5 dB

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

9.2 Transmission Specifications for Switched Access Service (Cont'd)

9.2.1 Standard Transmission Specifications (Cont't)

(C) Type C Transmission Specifications

Type C Transmission Specifications is provided with the following parameters:

(1) Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is ± 3.0 dB.

(2) Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 2804 Hz frequency band relative to loss at 1004 Hz is -2.0 dB to +5.5 dB.

(3) C-Message Noise

The maximum C-Message Noise for the transmission path at the route miles listed is less than or equal to:

<u>Route Miles</u>	<u>C-Message Noise*</u>	
	<u>Type B1</u>	<u>Type B2</u>
less than 50	32 dBrnCO	38 dBrnCO
51 to 100	33 dBrnCO	39 dBrnCO
101 to 200	35 dBrnCO	41 dBrnCO
201 to 400	37 dBrnCO	43 dBrnCO
401 to 1,000	39 dBrnCO	45 dBrnCO

(4) C-Notch Noise

The maximum C-Notch Noise, utilizing a -16 dBmO holding tone is less than or equal to 47 dBrnCO.

* For Feature Groups C and D only Type B2 will be provided. For Feature Groups A and B, Type B1 or B2 will be provided as set forth in Technical Reference TR-NPL-000334.

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

9.2 Transmission Specifications for Switched Access Service (Cont'd)

9.2.1 Standard Transmission Specifications (Cont't)

(C) Type C Transmission Specifications (Cont'd)

(5) Echo Control (Cont'd)

Echo Control, identified as Return Loss and expressed as Echo Return Loss and Singing Return loss is dependent on the routing, i.e., whether the service is routed directly from the customer's point of termination (POT) to the end office or via an access tandem. It is equal to or greater than the following:

	<u>Echo Return Loss</u>	<u>Singing Return Loss</u>
POT to Access Tandem	13 dB	6 dB
POT to End Office		
- Direct	13 dB	6 dB
- Via Access Tandem	8 dB	4 dB
(For FGB only)		

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)**9.2 Transmission Specifications for Switched Access Service (Cont'd)****9.2.2 Data Transmission Parameters**

Two types of Data Transmission Parameters, i.e., Type DA and Type DB, are provided for the Switched Access Service arrangements. The specific applications in terms of the Feature Groups with which they are provided are set forth in Section 6.2 preceding. In addition, the Combined Access Service Arrangement is provided with Data Transmission Parameters. Following are descriptions of each parameter.

(A) Data Transmission Parameters Type DA**(1) Signal to C-Notched Noise Ratio**

The Signal to C-Notched Noise Ratio is equal to or greater than 33 dB.

(2) Envelope Delay Distortion

The maximum envelope Delay Distortion for the frequency bands and route miles specified is:

<u>604 to 2804 Hz</u>	
less than 30 route miles	500 microseconds
equal to or greater than 30 route miles	900 microseconds

<u>1004 to 2404 Hz</u>	
less than 50 route miles	200 microseconds
equal to or greater than 50 route miles	400 microseconds

(3) Impulse Noise Counts

The Impulse Noise Counts exceeding a 65 dBmCO threshold in 15 minutes is no more than 15 counts.

(4) Intermodulation Distortion

The Second Order (R2) and Third Order (R3) Intermodulation Distortion products are equal to or greater than:

Second Order (R2)	33 dB
Third Order (R3)	37 dB

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

9.2 Transmission Specifications for Switched Access Service (Cont'd)

9.2.2 Data Transmission Parameters (Cont'd)

(A) Data Transmission Parameters Type DA (Cont'd)

(5) Phase Jitter

The Phase Jitter over the 4-300 Hz frequency band is less than or equal to 5° peak-to-peak.

(6) Frequency Shift

The maximum Frequency Shift does not exceed -2 to +2 Hz.

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

9.2 Transmission Specifications for Switched Access Service (Cont'd)

9.2.2 Data Transmission Parameters (Cont'd)

(B) Data Transmission Parameters Type DB

(1) Signal to C-Notched Noise Ratio

The signal to C-Notched Noise Ratio is equal to or greater than 30 dB.

(2) Envelope Delay Distortion

The maximum Envelope Delay Distortion for the frequency bands and route miles specified is:

<u>604 to 2804 Hz</u>	
less than 50 route miles	800 microseconds
equal to or greater than 50 route miles	1000 microseconds

<u>1004 to 2404 Hz</u>	
less than 50 route miles	320 microseconds
equal to or greater than 50 route miles	500 microseconds

(3) Impulse Noise Counts

The Impulse Noise Counts exceeding a 67 dBrnCO threshold in 15 minutes is no more than 15 counts.

(4) Intermodulation Distortion

The Second Order (R2) and Third Order (R3) Intermodulation Distortion products are equal to or greater than:

Second Order (R2)	31 dB
Third Order (R3)	34 dB

(5) Phase Jitter

The Phase Jitter over the 4-300 Hz frequency band is less than or equal to 7 peak-to-peak.

(6) Frequency Shift

The maximum frequency Shift does not exceed -2 to +2 Hz.

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

9.3 Channel Interface and Network Channel Codes

This section explains the Channel Interface codes and Network Channel codes that the customer must specify when ordering Special Access Service. Included is an example which explains the specific characters of the code, a glossary of Channel Interface codes, impedance levels, Network Channel codes and compatible Channel Interfaces.

Example: If the customer specifies a NT Network Channel Code and a 2DS8-3 Channel Interface at the customer's premises, the following is being requested:

- NT = Metallic Circuit with a Predefined Technical Specification Package (1)
- 2 = Number of physical wires at customer premises
- DC = Facility interface for direct current or voltage
- 8 = Variable impedance level
- 3 = Metallic facilities (DC continuity) for direct current/low frequency control signals or slow speed data (30 baud)

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

9.3 Channel Interface and Network Channel Codes (Cont'd)

9.3.1 Glossary of Channel Interface Codes and Options

<u>Code</u>	<u>Option</u>	<u>Definition</u>
AB -		accepts 20 Hz ringing signal at customer's point of termination
AC -		accepts 20 Hz ringing signal at customer's end user's point of termination
AH -		analog high capacity interface
-	B	60 kHz to 108 kHz (12 channels)
-	C	312 kHz to 552 kHz (60 channels)
-	D	564 kHz to 3084 kHz (600 channels)
CT		Centex Tie Trunk Termination
DA -		data stream in VF frequency band at end user's point of termination
DB -		data stream in VF frequency band at customer's point of termination
-	10	VF for TG1 and TG2
-	43	VF for 43 Telegraph Carrier type signals, TG1 and TG2 DC -direct current or voltage
-	1	monitoring interface with series RC combination (McCulloh format)
-	2	Telephone Company energized alarm channel
-	3	Metallic facilities (DC continuity) for direct current/low frequency control signals or slow speed data (30 baud)
DD -		DATAPHONE Select-A-Station (and TABS) interface at customer's point of termination
DE -		DATAPHONE Select-A-Station (and TABS) interface at the customer's end user's point of termination
DS -		digital hierarchy interface
-	15	1.544 Mbps (DS1) format per PUB 41451 plus D4
-	15E	8-bit PCM encoded in one 64 kbps of the DS1 signal
-	15F	8-bit PCM encoded in two 64 kbps of the DS1 signal
-	15G	8-bit PCM encoded in three 64 kbps of the DS1 signal
-	15H	14/11-bit PCM encoded in six 64 kbps of the DS1 signal
-	15J	1.544 Mbps format per PUB 41451

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)**9.3 Channel Interface and Network Channel Codes (Cont'd)****9.3.1 Glossary of Channel Interface Codes and Options (Cont'd)**

<u>Code</u>	<u>Option</u>	<u>Definition</u>
-	15K	1.544 Mbps format per PUB 41451 plus extended framing format
-	15L	1.544 Mbps (DS1) with SF signaling
-	27	2.74.176 Mbps (DS4)
-	27L	274.176 Mbps (DS4) with SF signaling
-	31	3.152 Mbps (DS1C)
-	31L	3.152 Mbps (DS1C) with SF signaling
-	44	44.736 Mbps (DS3)
-	44L	44.7376 Mbps (DS3) with SF signaling
-	63	6.312 Mbps (DS2)
-	63L	6.312 Mbps (DS2) with SF signaling
DU -		digital access interface
-	24	2.4 kbps
-	48	4.8 kbps
-	56	56.0 kbps
-	96	9.6 kbps
-	A	1.544 Mbps format per PUB 41451
-	B	1.544 Mbps format per PUB 41451 plus D4
-	C	1.544 Mbps format per PUB 41451 plus extended framing format
DX -		duplex signaling interface at customer's point of termination
DY -		duplex signaling interface at customer's end user's point of termination
EA -	E	type I E&M Lead Signaling. Customer at POT or customer's end user at POT originates on E Lead.
EA -	M	Type I E&M Lead Signaling. Customer at POT or customer's end user at POT originates on M Lead.
EB -	E	Type II E&M Lead Signaling. Customer at POT or customer's end user at POT originates on E Lead.
EB -	M	Type II E&M Lead Signaling. Customer at POT or customer's end user at POT originates on M Lead.
EC -		Type III E&M signaling at customer POT
EX -	A	tandem channel unit signaling for loop start or ground start and customer supplies open end (dial tone, etc.) functions
EX -	B	tandem channel unit signaling for loop start or ground start and customer supplies closed end (dial pulsing, etc.) function.
GO -		ground start loop signaling - open end function by customer or customer's end use.

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)**9.3 Channel Interface and Network Channel Codes (Cont'd)****9.3.1 Glossary of Channel Interface Codes and Options**

<u>Code</u>	<u>Option</u>	<u>Definition</u>
GS -		ground start loop signaling - closed end function by customer or customer's end user
IA -		E.I.A. (25 pin RS-232)
LA -		end user loop start loop signaling - Type A OPS registered port open end
LB -		end user loop start loop signaling - Type B OPS registered port open end
LC -		end user loop start loop signaling - Type C OPS registered port open end
LO -		loop start loop signaling - open end function by customer or customer's end user
LR -		20 Hz automatic ringdown interface at customer with Telephone Company provided PLAR
LS -		loop start loop signaling - closed end function by customer or customer's end user
NO -		no signaling interface, transmission only
PG -		program transmission - no dc signaling
-	1	nominal frequency from 50 to 15000 Hz
-	3	nominal frequency from 200 to 3500 Hz
-	5	nominal frequency from 100 to 5000 Hz
-	8	nominal frequency from 50 to 8000 Hz
PR -		protective relaying*
RV -0		reverse battery signaling, one way operation, originate by customer
-T		reverse battery signaling, one way operation, terminate function by customer or customer's end user
SF -		single frequency signaling with VF band at either customer POT or customer's end user POT
TF -		telephotograph interface
TT -		telegraph/teletypewriter interface at either customer POT or customer's end user POT
-2		20.0 milliamperes
-3		3.0 milliamperes
-6		62.5 milliamperes
TV -		television interface
-1		combined (diplexed) video and one audio signal
-2		combined (diplexed) video and two audio signals
-5		video plus one (or two) audio 5 kHz signal(s) or one (or two) two wire

* Available only for the transmission of audio tone protective relaying signals used in the protection of electric power systems during fault conditions.

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)**9.3 Channel Interface and Network Channel Codes (Cont'd)****9.3.1 Glossary of Channel Interface Codes and Options**

<u>Code</u>	<u>Option</u>	<u>Definition</u>
-	15	video plus one (or two) audio 15 kHz signal(s)
WA -		wideband bandwidth interface at customer's end user
POT		
-	1	limited bandwidth
-	2	nominal passband from 29000 to 44000 Hz
WB -		wideband data interface at customer POT
-	18S	18.75 kbps, synchronous
-	19A	up to 19.2 kbps synchronous
-	19S	19.2 kbps synchronous
-	23A	up to 230.4 kbps, synchronous
-	23S	230.4 kbps, synchronous
-	40S	40.8 kbps, synchronous
-	50A	up to 50.0 kbps, asynchronous
-	50S	50.0 kbps synchronous
WC -		wideband data interface at customer's end user
-	18	POT 18.75 kbps, synchronous
-	19	for 12 wire interface: 19.2 kbps, synchronous for 10-wire interface: up to 19.2 kbps,
	23	asynchronous up to 230.4 kbps, asynchronous
-	23S	230.4 kbps, synchronous
-	40	40.8 kbps, synchronous
-	50	for 12-wire interface: 50.0 kbps, synchronous for 10-wire interface: up to 50.0 kbps, asyn-chronous wideband bandwidth interface at customer POT
WD -		
-	1	nominal passband from 300 to 18000 Hz
-	2	nominal passband from 28000 to 44000 Hz
-	3	nominal passband from 29000 to 44000 Hz

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Weaverville, N.C.9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)9.3 Channel Interface and Network Channel Codes (Cont'd)9.3.2 Impedance

The nominal reference impedance with which the channel will be terminated for the purpose of evaluating transmission performance:

<u>Value (ohms)</u>	<u>Code(s)</u>
110	0
150	1
600	2
900	3+
135	5
75	6
124	7
Variable	8
100	9

- + For those interface codes with a 4-wire transmission path at the customer's POT, rather than a standard 900 ohm impedance the code (3) denotes a customer provided transmission equipment termination. Such terminations were provided to customers in accordance with the F.C.C. Docket no. 20099 Settlement Agreement.

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)9.3 Channel Interface and Network Channel Codes (Cont'd)9.3.3 Digital Hierarchy Channel Interface Codes (4DS)

Customer selecting the multiplexed four-wire DSX-1 or higher facility interface option at the customer designated premises will be requested to provide subsequent system and channel assignment data. The various digital bit rates in the digital hierarchy employ the channel interface code 4DS8, 4DS9, 4DS0 or 4DS6 plus the speed options indicated below:

<u>Interface Code and Speed Option</u>	<u>Nominal Bit Rate (Mbps)</u>	<u>Digital Hierarchy Level</u>
4DS8-15	1.544	DS1
4DS9-31	3.152	DS1C
4DS0-63	6.312	DS2
4DS6-44	44.736	DS3
4DS6-27	274.176	DS4

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The purpose of this table is to show the relationship between the service designator codes (e.g. VGC, MT2, etc.) and the network channel codes that are used for various administrative purposes.

<u>Service Designator Code</u>	<u>Network Channel Code</u>
MTC	MQ
MT1	NT
MT2	NU
MT3	NV
TGC	NQ
TG1	NW
TG2	NY
VGC	LQ
VG1	LB
VG2	LC
VG3	LD
VG4	LE
VG5	LF
VG6	LG
VG7	LH
VG8	LJ
VG9	LK
VG1	LN
VG1	LP
VG12	LR
APC	PQ
AP1	PE
AP2	PF
AP3	PJ
AP4	PK
TVC	TQ
TV1	TV
TV2	TW

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Conversion Table (Cont'd)

<u>Service Designator Code</u>	<u>Network Channel Code</u>
WA1	WJ
WA1T	WQ
WA2	WL
WA2A	WR
WA3	WN
WA4	WP
WD1	WB
WD2	WE
WD3	WF
DA1	XA
DA2	XB
DA3	XG
DA4	XH
HCO	HS
HC1	HC
HC1C	HD
HC2	HE
HC3	HF
HC4	HG

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)9.3 Channel Interface and Network Channel Codes (Cont'd)9.3.5 Compatible Channel Interfaces

The following tables show the channel interface codes (CIs) which are compatible:

(A) Metallic

<u>Compatible Cis</u>		<u>Compatible Cis</u>	
4AH5-B	2DC8-1	4AH6-D	2DC8-2
4AH5-B	24C8-2	2DC8-1	2DC8-2
4AH6-C	2DC8-1	2DC8-3	2DC8-3
4AH6-C	2DC8-2	4DS9-*	2DC8-1
4AH6-D	2DC8-1	4DS9-*	2DC8-2

(B) Telegraph Grade

<u>Compatible Cis</u>		<u>Compatible Cis</u>		<u>Compatible Cis</u>	
4AH5-B	10IA8	4AH6-D	4TT2-6	4DB2-43+	4TT2-2
4AH5-B	2TT2-2	2DB2-10	10IA8	4DS9-*	10IA8
4AH5-B	4TT2-2	2DB2-10	2TT2-2	4DS9-*	2TT2-2
4AH5-B	2TT2-6	2DB2-10	4TT2-2	4DS9-*	4TT2-2
4AH5-B	4TT2-6	2DB2-43+	10IA8	4DS9-*	2TT2-6
4AH6-C	10IA8	2DB2-43+	2TT2-2	4DS9-*	4TT2-6
4AH6-C	2TT2-2	2DB2-43+	2TT2-6	2TT2-2	2TT2-2
4AH6-C	4TT2-2	2DB2-43+	4TT2-2	2TT2-3	2TT2-2
4AH6-C	2TT2-6	4DB2-10	10IA8	2TT2-3	4TT2-2
4AH6-C	4TT2-6	4DB2-10	2TT2-2	2TT2-6	2TT2-6
4AH6-D	10IA8	4DB2-10	4TT2-2	2TT2-6	4TT2-2
4AH6-D	2TT2-2	4DB2-43+	10IA8	4TT2-2	4TT2-2
4AH6-D	4TT2-2	4DB2-43+	2TT2-6	4TT2-6	2TT2-6
4AH6-D	2TT2-6				

* See 7.5.3 preceding for explanation.

+ Supplemental Channel Assignment information required.

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<u>Compatible Cis</u>		<u>Compatible Cis</u>		<u>Compatible Cis</u>	
4AB2	4AB2				
4AB2	4AC2	4AH5-B	6DA2	4AH6-D	2DY2
4AB3	4AC2	4AH5-B	4DA2	4AH6-C	9DY2
4AB2	2AC2	4AH5-B	2DA2	5AHG-C	9DY3
4AB3	2AC2			4AH6-C	6DY2
2AB2	2AC2	4AH6-D	4DE2	4AH6-C	6DY3
2AB3	2AC2	4AH6-C	4DE2	4AH6-C	4DY2
		4AH5-B	4DE2	4AH6-C	2DY2
4AB2	4SF2	4AH6-D	2DE2	4AH5-B	9DY2
4AB3	4SF2	4AH6-C	2DE2	4AH5-B	9DY3
		4AH5-B	2DE2	4AH5-B	6DY2
4AH6-D	4AC2			4AH5-B	6DY3
4AH6-D	2AC2	4AH6-D	4DX3	4AH5-B	4DY2
4AH6-C	4AC2	4AH6-C	4DX3	4AH5-B	2DY2
4AH6-C	2AC2	4AH5-B	4DX3		
4AH5-B	4AC2	4AH6-D	4DX2	4AH6-D	9EA2
4AH5-B	2AC2	4AH6-C	4DX2	4AH6-D	9EA3
		4AH5-B	4DX2	4AH6-D	6EA2-E
4AH6-D	2CT3			4AH6-D	6EA2-M
				4AH6-D	4EA2-E
4AH6-C	2CT3			4AH6-D	4EA2-M
4AH5-B	2CT3			4AH6-C	9EA2
4AH6-D	6DA2			4AJ7-C	9EA3
4AH6-D	4DA2	4AH6-D	9DY2	4AH6-C	6EA2-E
4AH6-D	2DA2	4AH6-D	9DY3		
4AH6-C	6DA2	4AH6-D	6DY2		
4AH6-C	4DA2	4AH6-D	6DY3		
4AH6-C	2DA2	4AH6-D	4DY2		

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<u>Compatible CIs</u>		<u>Compatible CIs</u>		<u>Compatible CIs</u>	
4AH6-C	6EA2-M	4AH6-D	6GS2	4AH6-D	2LO2
4AH6-C	4EA2-E	4AH6-D	4GS2	4AH6-C	2LO3
4AH6-C	4EA2-M	4AH6-D	2GS3	4AH6-C	2LO2
4AH5-B	9EA2	4AH6-D	2GS2	4AH5-B	2LO3
4AH5-B	9EA3	4AH6-C	6GS2	4AH5-B	2LO2
4AH5-B	6EA2-E	4AH6-C	4GS2		
4AH5-B	6EA2-M	4AH6-C	2GS3	4AH6-B	4LR2
4AH5-B	4EA2-E	4AH6-C	2GS2	4AH6-D	2LR2
4AH5-B	4EA2-M	4AH5-B	6GS2	4AH6-C	4LR2
		4AH5-B	4GS2	4AH6-C	2LR2
4AH6-D	8EB2-E	4AH5-B	2GS3	4AH5-B	4LR2
4AH6-D	8EB2-M	4AH5-B	2GS2	4AH5-B	2LR2
4AH6-D	6EB2-E				
4AH6-D	6EB2-M	4AH6-D	2LA2	4AH6-D	6LS2
4AH6-C	8EB2-E	4AH6-C	2LA2	4AH6-D	4LS2
4AH6-C	8EB2-M	4AH5-B	2LA2	4AH6-D	2LS2
4AH6-C	6EB2-E			4AH6-D	2LS3
4AH6-C	6EB2-M	4AH6-D	2LB2	4AH6-C	6LS2
4AH5-B	8EB2-E	4AHG-C	2LB2	4AH6-C	4LS2
4AH5-B	8EB2-M	4AG5-B	2LB2	4AH6-C	2LS2
4AH5-B	6EB2-E			4AH6-C	2LS3
4AH5-B	6EB2-M	4AH6-D	2LC2	4AH5-B	6LS2
		4AH6-C	2LC2	4AH5-B	4LS2
4AH6-D	2GO2	4AH5-B	2LC2	4AH5-B	2LS2
4AH6-D	2GO3				
4AH6-C	2GO2				
4AH6-C	2GO2			4AH5-B	2LS3
4AH5-B	2GO2	4AH6-D	2LO3		
4AH5-B	2GO3				

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<u>Compatible CIs</u>		<u>Compatible Cis</u>		<u>Compatible Cis</u>	
4AH6-D	4NO2	4AH6-D	4TF2	2CT3	8EB2-E
4AH6-D	2NO2	4AJ7-D	2TF2	2CT3	8EB2-M
4AH6-C	4NO2	4AH6-C	4TF2		
4AH6-C	2NO2	4AH6-C	2TF2	2CT3	6482-E
4AH5-B	4NO2	4AH5-B	4TF2	2CT3	6EB2-M
4AH5-B	2NO2	4AH5-B	2TF2		
				2CT3	6EB3-E
		2CT3	4DS9-*		
				2CT3	8EC2
		2CT3	6DX2		
		2CT3	4DX2	2CT3	4SF2
		2CT3	4DX3	2CT3	4SF3
4AH6-D	4PR2	2CT3	9DY3	6DA2	6DA2
4AH6-D	2PR2	2CT3	6DY3	6DA2	4DA2
4AH6-C	4PR2	2CT3	9DT2	4DA2	4DA2
4AH6-C	2PR2	2CT3	6DY2		
4AH5-B	4PR2	2CT3	4DY3	4DB2	6DA2
4AH5-B	2PR2	2CT3	2DY2	4DB2	4DA2
				4DB2	2DA2
4AH6-D	4RV2-T	2CT3	9EA3	2DB3	2DA2
4AH6-D	2RV2-T	2CT3	9EA2	2DB2	2DA2
4AH6-C	4RV2-T	2CT3	6EA2-E	4DB2	4DB2
4AH6-C	2RV2-T	2CT3	6EA2-M	4DB2	4NO2
4AH5-B	4TV2-T	2CT3	4EA2-E	4DB2	2NO2
4AH5-B	2RV2-T	2CT3	4EA2-M	2DB2	2NO2
4AH6-D	4SF2			4DB2	4PR2
4AH6-C	4SF2			4DB2	2PR2
4AH5-B	4SF2			2DB2	2PR2
4AH6-D	4SF3				
4AH6-C	4SF3				
4AH5-B	4SF3				

* See 9.3.3 preceding for explanation.

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<u>Compatible CIs</u>		<u>Compatible CIs</u>	
4DD3	4DE2	4DS8-*	9DY3
4DD3	2DE2	4DS8-*	9DY2
		4DS8-*	6DY3
4DS8-*	4AC2	4DS8-*	6DY2
4DS8-*	2AC2	4DS8-*	4DY2
		4DS8-*	2DY2
4DS8-*	6DA2		
4DS8-*	4DA2		
4DS8-*	2DA2	4DS8-*	9EA2
		4DS8-*	9EA3
4DS8-*	4DE2	4DS8-*	6EA2-E
4DS8-*	EDE2	4DS8-*	6EA2-M
		4DS8-*	4EA2-E
4DS8-*	4DX3	4DS8-*	4EA2-E
4DS8-*	4DX2		

* See 9.3.3 preceding for explanation.

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<u>Compatible Cis</u>		<u>Compatible Cls</u>		<u>Compatible Cis</u>	
4DS8-*	8EB2-E	4DS8-*	4NO2	4DX3	9DY2
4DS8-*	8EB2-M	4DS8-*	2NO2	4DX2	6DY3
4DS8-*	6EB2-E			4DX3	6DY3
4DS8-*	6EB2-M	4DS8-*	4PR2	4DX2	6DY2
		4DS8-*	2PR2	4DX3	6DY2
4DS8-*	2GO2			4DX2	4DY2
4DS8-*	2GO3	4DS8-*	4RV2-T	4DX3	4DY2
4DS8-*	6GS2	4DS8-*	2RV2-T	4DX2	2DY2
4DS8-*	4GS2			4DX3	2DY2
4DS8-*	2GS2	4DS8-*	4SF2		
4DS8-*	2GS3	4DS8-*	4SF3	6DX2	9EA3
				6DX2	9EA2
4DS8-*	2LA2	4DS8-*	4TF2	6DX2	6EA2-E
		4DS8-*	2TF2	6DX2	6EA2-M
4DS8-*	2LB2			6DX2	4EA2-E
		4DX2	4DX2	6DX2	4EA2-M
4DS8-*	2LC2	4DX3	4DX2	4DX2	9EA2
		4DX3	4DX3	4DX3	9EA2
4DS8-*	2LO2			4DX2	9EA3
4DS8-*	2LO3	6DX2	9DY3	4DX3	9EA3
		6DX2	9DY2	4DX2	6EA2-E
4DS8-*	4LR2	6DX2	6DY3	4DX3	6EA2-E
4DS8-*	2LR2	6DX2	6DY2	4DX2	6EA2-M
		6DX2	4DY2	4DX3	6EA2-M
4DS8-*	6LS2	6DX2	2DY2	4DX2	4EA2-E
4DS8-*	4LS2	4DX2	9DY3	4DX3	4EA2-E
4DS8-*	2LS2	4DX3	9DY3	4DX2	4EA2-M
4DS8-*	2LS3	4DX2	9DY2	4DX3	4EA2-M

* See 9.3.3 preceding for explanation.

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<u>Compatible Cis</u>		<u>Compatible CIs</u>		<u>Compatible Cis</u>	
6DX2	8EB2-E	4DX2	6LS2	9DY2	6DY3
6DX2	8EB2-M	4DX3	6LS2	9DY3	4DY2
6DX2	6EB2-E	4DX3	4LS2	9DY2	4DY2
6DX2	6EB2-M	4DX2	4LS2	9DY2	2DY2
4DX2	8EB2-E	4DX3	2LS3	9DY3	2DY2
4DX2	8EB2-M	4DX2	2LS3	6DY3	6DY3
4DX3	8EB2-E	4DX3	2LS2	6DY3	6DY2
4DX3	8EV2-M	4DX2	2LS2	6DY2	6DY2
4DX2	6EB2-E	2DX3	2LS2	6DY3	4DY2
4DX2	6EB2-M	2DX3	2LS3	6DY3	2DY2
4DX3	6E82-E			6DY2	4DY2
4DX3	6EB2-M	4DX3	4RV2-T	6DY2	2DY2
		4DX2	4RV2-T	4DY2	2DY2
4DX2	2LA2	4DX3	2RV2-T	4DY2	4DY2
4DX3	2LA2	4DX2	2RV2-T		
2DX3	2LA2			6EA2-E	4AC2
		6DX2	4SF2	6EA2-M	4AC2
4DX2	2LB2	4DX2	4SF2	6EA2-E	2AC2
4DX3	2LB2	4DX3	4SF2	6EA2-M	2AC2
2DX3	2LB2	4DX2	4SF3		
		4DX3	4SF3	9EA2	9DY3
4DX2	2LC2			9EA2	9DY2
4DX3	2LC2	9DY3	9DY3	9EA2	6DY3
2DX3	2LC2	9DY3	9DY2	9EA2	6DY2
		9DY2	9DY2	9EA2	4DY2
4DX2	2LO3	9DY3	6DY3	9EA2	2DY2
4DX3	2LO3	9DY3	6DY2	9EA3	9DY3
2DX3	2LO3	9DY2	6DY2		

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<u>Compatible Cis</u>		<u>Compatible Cis</u>		<u>Compatible Cis</u>	
9EA3	9DY2	4EA2-M	9DY2	4EA3-E	9EA2
9EA3	6DY3	4EA2-M	6DY3	4EA3-E	9EA3
9EA3	6DY2	4EA2-M	6DY2	4EA2-M	4EA2-M
9EA3	4DY2	4EA2-M	4DY2		
9EA3	2DY2	4EA2-M	2DY2	9EA2	8EB2-E
6EA2-E	9DY3			9EA2	8EB2-M
6EA2-E	9DY2	9EA2	9EA2	9EA2	6EB2-E
6EA2-E	6DY3	9EA2	9EA3	9EA2	6EB2-M
6EA2-E	6DY2	9EA2	6EA2-E	9EA3	8EB2-E
6EA2-E	4DY2	9EA2	6EA2-M	9EA3	8EB2-M
6EA2-E	2DY2	9EA2	4EA2-E	9EA3	6EB2-E
6EA2-M	9DY3	9EA2	4EA2-M	9EA3	6EB2-M
6EA2-M	9DY2	9EA3	9EA3	6EA2-E	8EB2-E
6EA2-M	6DY3	9EA3	6EA2-E	6EA2-E	8EB2-M
6EA2-M	6DY2	9EA3	6EA2-M	6EA2-E	6EB2-E
6EA2-M	4DY2	9EA3	4EA2-E	6EA2-E	6EB2-M
6EA2-M	2DY2	9EA3	4EA2-M	6EA2-M	8EB2-E
4EA2-E	9DY3	6EA2-E	6EA2-E	6EA2-M	8EB2-M
4EA2-E	9DY2	6EA2-E	6EA2-M	6EA2-M	6EB2-E
4EA3-E	9DY3	6EA2-M	6EA2-M	6EA2-M	6EB2-M
4EA3-E	9DY2	6EA2-E	4EA2-E	4EA2-E	8EB2-E
4EA3-E	6DY3	6EA2-E	4EA2-M	4EA2-E	8EB2-M
4EA3-E	6DY2	6EA2-M	4EA2-E	4EA3-E	8EB2-E
4EA3-E	4DY2	6EA2-M	4EA2-M	4EA3-E	8EB2-M
4EA3-E	2DY2	4EA2-E	4EA2-E	4EA2-E	6EB2-E
4EA2-E	6DY3	4EA3-E	6EA2-E	4EA2-E	6EB2-M
4EA2-E	6DY2	4EA3-E	6EA2-M	4EA3-E	6EB2-E
4EA2-E	4DY2	4EA3-E	4EA2-E	4EA3-E	6EB2-M
4EA2-E	2DY2	4EA3-E	4EA2-M	4EA2-M	8EB2-E
4EA2-M	9DY3	4EA2-E	4EA2-M		

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<u>Compatible Cis</u>		<u>Compatible CIs</u>		<u>Compatible Cis</u>	
4EA2-M	8EB2-M	9EA3	43F2	6EB3-E	9DY2
4EA2-M	6EB2-E	9EA2	4SF2	6EB3-E	9DY3
4EA2-M	6EB2-M	6EA2-E	4SF3	6EB2-E	6DY2
		6EA2-M	4SF3	6EB3-E	6DY2
6EA2-E	2LA2	6EA2-E	4SF2	6EB2-E	6DY3
6EA2-M	2LA2	6EA2-M	4SF2	6EB3-E	6DY3
		4EA3-E	4SF2	6EB2-E	4DY2
6EA2-E	2LB2	4EA2-E	4SF2	6EB3-E	2DY2
6EA2-M	2LB2	4EA2-M	4SF2	6EB3-E	4DY2
				6EB2-M	9DY2
6EA2-E	2LC2	8EB2-E	4AC2	6EB2-M	9DY3
6EA2-M	2LC2	8EB2-M	4AC2	6EB2-M	6DY2
		8EB2-E	2AC2	6EB2-M	6DY3
6EA2-E	2LO3	8EB2-M	2AC2	6EB2-M	4DY2
6EA2-M	2LO3			6EB2-E	2DY2
		8EB2-E	9DY3	6EB2-M	2DY2
6EA2-E	6LS2	8EB2-E	9DY2		
6EA2-M	6LS2	8EB2-E	6DY3	6EB3-E	9EA2
6EA2-E	4LS2	8EB2-E	6DY2	6EB3-E	9EA3
6EA2-M	4LS2	8EB2-E	4DY2	6EB3-E	6EA2-E
6EA2-E	2LS2	8EB2-E	2DY2	6EB3-E	6EA2-M
6EA2-M	2LS2	8EB2-M	9DY3	6EB3-E	4EA2-E
6EA2-E	2LS3	8EB2-M	9DY2	6EB3-E	4EA2-M
6EA2-M	2LS3	8EB2-M	6DY3		
		8EB2-M	6DY2	8EB2-E	8EB2-E
6EA2-E	4RV2-T	8EB2-M	4DY2	8EB2-E	8EB2-M
6EA2-M	4RV2-T	8EB2-M	2DY2	8EB2-M	8EB2-M
6EA2-E	2RV2-T	6EB2-E	9DY2	8EB2-E	6EB2-E
6EA2-M	2RV2-T	6EB2-E	9DY3	8EB2-E	6EB2-M

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)9.3 Channel Interface and Network Channel Codes (Cont'd)9.3.5 Compatible Channel Interfaces (Cont'd)(C) Voice Grade (Cont'd)

<u>Compatible Cis</u>		<u>Compatible CIs</u>		<u>Compatible Cis</u>	
8EB2-M	6EB2-E	8EB2-E	4RV2-T	8EC2	8EB2-M
8EB2-M	6EB2-M	8EB2-M	4RV2-T	8EC2	6EB2-E
6EB2-E	6EB2-E	8EB2-E	2RV2-T	8EC2	6EB2-M
6EB2-E	6EB2-M	8EB2-M	2RV2-T		
6EB3-E	8EB2-E			8EC2	4SF2
6EB3-E	8EB2-M	8EB2-E	4SF2	6EX2-B	2GO3
6EB2-M	6EB2-M	8EB2-M	4SF2	6EX2-A	6GS2
		8EB2-E	4SF3	6EX2-A	4GS2
8EB2-E	2LA2	8EB2-M	4SF3	6EX2-A	2GS2
8EB2-M	2LA2	6EB3-E	4SF2	6EX2-A	2GS3
		6EB2-E	4SF2		
8EB2-E	2LB2	6EB2-M	4SF2	6EX2-B	2LA2
8EB2-M	2LB2				
		8EC2	9DY2	6EX2-B	2LB2
8EB2-E	2LC2	8EC2	9DY3		
8EB2-M	2LC2	8EC2	6DY2	6EX2-B	2LC2
		84C2	6DY3		
8EB2-E	2LO3	8EC2	4DY2	6EX2-B	2LO2
8EB2-M	2LO3	8EC2	2DY2	6EX2-B	2LO3
8EB2-E	6LS2	8EC2	9EA2	6EX2-B	4LR2
8EB2-M	6LS2	8EC2	9EA3	6EX2-B	2LR2
8EB2-E	4LS2	8EC2	6EA2-E		
8EB2-M	4LS2	8EC2	6EA2-M	6EX2-A	6LS2
8EB2-E	2LS2	8EC2	4EA2-E	6EX2-A	4LS2
8EB2-M	2LS2	8EC2	4EA2-M	6EX2-A	2LS2
8EB2-E	2LS3			6EX2-A	2LS3
8EB2-M	2LS3	8EC2	8EB2-E		

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<u>Compatible Cis</u>		<u>Compatible Cis</u>		<u>Compatible Cis</u>	
6EX2-A	4SF2	6LO2	6LS2	4LR2	4SF2
6EX2-B	4SF2	6LO2	4LS2	4LR3	4SF2
		6LO2	2LS2		
6GO2	6GS2	6LO2	2LS3	6LS2	2LA2
6GO2	4GS2	4LO2	6LS2	4LS2	2LA2
6GO2	2GS2	4LO2	4LS2	4LS3	2LA2
6GO2	2GS3	4LO3	6LS2	2LS2	2LA2
4GO2	6GS2	4LO3	4LS2	2LS3	2LA2
4GO3	6GS2	4LO3	2LS3		
4GO2	4GS2	4LO3	2LS2	6LS2	2LB2
4GO3	4GS2	4LO2	2LS2	4LS2	2LB2
4GO2	2GS2	4LO2	2LS3	4LS3	2LB2
4GO2	2GS3	2LO3	2LS3	2LS2	2LB2
4GO3	2GS2	2LO3	2LS2	2LS3	2LB2
4GO3	2GS3	2LO2	2LS2		
2GO2	2GS2	2LO2	2LS3	6LS2	2LC2
2GO3	2GS2			4LS2	2LC2
2GO2	2GS3	6LO2	4SF2	4LS3	2LC2
2GO3	2GS3	4LO2	4SF2	2LS2	2LC2
		4LO3	4SF2	2LS3	2LC2
6GO2	4SF2				
4GO2	4SF2	4LR2	4LR1	6LS2	2LO3
4GO3	5SF2	4LR3	2LR2	6LS2	2LO2
		4LR2	4LR2	4LS2	2LO2
6GS2	2GO2	4LR2	2LR2	4LS2	2LO3
4GS2	2GO2	4LR2	2LR2	4LS3	2LO2
4GS3	2GO2	2LR3	2LR2	4LS3	2LO3
4GS2	2GO3				

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<u>Compatible Cis</u>		<u>Compatible Cis</u>		<u>Compatible Cis</u>	
6LS2	4SF2	4SF3	9DY2	4SF3	2LA2
4LS3	4SF2	4SF2	9DY3		
		4SF3	6DY3	4SF2	2LB2
4NO2	6DA2	4SF2	6DY3	4SF3	2LB2
4NO2	4DA2	4SF2	6DY3		
4NO2	2DA2	4SF3	6DY2	4SF2	2LC2
2NO2	2DA2	4SF2	4DY2	4SF3	2LC2
		4SF3	4DY2		
4NO2	4DE2	4SF3	2DY2	4SF2	2LO3
4NO2	2DE2	4SF2	2DY2	4SF3	2LO3
4NO2	4NO2	4SF3	9EA2	4SF2	2LR2
4NO2	2NO2	4SF3	9EA3	4SF3	4LR2
2NO2	2NO2	4SF3	4EA2-E	4SF3	2LR2
2NO3	2NO2	4SF3	4EA2-M		
				4SF3	6LS2
2NO3	2PR2	4SF3	6EB2-E	4SF2	4LS2
		4SF3	6EB2-M	4SF3	4LS2
4RV2-O	4RV2-T	4SF3	2GO3	4SF2	2LS2
4RV2-O	2RV2-T	4SF3	6GS2	4SF2	2LS3
4RV2-O	2RV2-T	4SF2	6GS2	4SF3	2LS2
		4SF2	6GS2	4SF3	2LS3
4RV2-O	4SF2	4SF3	4GS2		
		4SF2	2GS2	4SF3	4RV2-T
4SF2	4AC2	4SF2	2GS3	4SF2	4RV2-T
4SF2	2AC2	4SF3	2GS2	4SF2	2RV2-T
		4SF3	2GS3	4SF3	2RV2-T
4SF3	9DY3				
4SF2	9DY2	4SF2	2LA2	4SF3	

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9.3 Channel Interface and Network Channel Codes (Cont'd)

9.3.5 Compatible Channel Interfaces (Cont'd)

(C) Voice Grade (Cont'd)

Compatible Cis

4SF3	4SF2
4SF2	4SF2

4TF2	4TF2
4TF2	2TF2
2TF3	2TF2

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<u>Compatible Cis</u>		<u>Compatible Cis</u>		<u>Compatible Cis</u>	
4AH5-B	2PG1-3	4AH6-D	2PG1-3	4DS8-15F	2PG2-5
4AH5-B	2PG1-5	4AH6-D	2PG1-3	4DS8-15G	2PG2-8
4AH5-B	2PG1-8	4AH6-D	2PG1-8	4DS8-15H	2PG2-1
4AH5-B	2PG2-3	4AH6-D	2PG2-3	2PG2-1	2PG1-1
4AH5-B	2PG2-5	4AH6-D	2PG2-5	2PG2-1	2PG2-1
4AH5-B	2PG2-8	4AH6-D	2PG2-8	2PG2-3	2PG1-3
4AH6-C	2PG1-3	4DS8-15E	2PG1-3	2PG2-3	2PG2-3
4AH6-C	2PG1-5	4DS8-15F	2PG1-5	2PG2-5	2PG1-5
4AH6-C	2PG1-8	4DS8-15G	2PG1-8	2PG2-5	2PG2-5
4AH6-C	2PG2-3	4DS8-15H	2PG1-1	2PG2-8	2PG1-8
8AH6-C	2PG2-5	4DS8-15E	2PG2-3	2PG2-8	2PG2-8

(E) Video

<u>Compatible Cis</u>		<u>Compatible Cis</u>	
2TV6-1	4TV6-15	4TV7-5	4TV6-5
	4TV7-15		4TV7-5
2TV6-2	6TV6-15	4TV7-15	4TV6-15
	6TV7-15		4TV7-15
2TV7-1	4TV6-15	6TV6-5	6TV6-5
	4TV7-15		6TV7-5
2TV7-2	6TV6-15	6TV6-15	6TV6-15
	6TV7-15		6TV7-15
4TV6-5	4TV6-5	6TV7-5	6TV6-5
		4TV7-5	6TV7-5
4TV6-15	4TV6-15	6TV7-15	6TV6-15
	4TV7-15		6TV7-15

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

9.3 Channel Interface and Network Channel Codes (Cont'd)

9.3.5 Compatible Channel Interfaces (Cont'd)

(F) Wideband Analog

<u>Compatible CIs</u>		<u>Compatible CIs</u>		<u>Compatible CIs</u>	
4AH5-B	4AH5-B			4WD5-1	4WA5-1
4AH6-C	4AH5-B			4WD5-2	4WA5-1
4AH6-C	4AH6-C	4AH6-D	4AH6-D	4WDD5-3	4WA5-2
	4AH6-D	4AH5-B	4AH5-B	4DS8-15	
	4AH6-D	4AH6-C	4AH5-B	4DU8-A,B, or C	
	4AH6-C	4DU8-A,B, or C			
		4AH6-D	4DU8-A,B, or C		

(G) Wideband Data

<u>Compatible CIs</u>		<u>Compatible CIs</u>		<u>Compatible CIs</u>	
8WB5-18S	12WC6-18	8WB5-23A	10WC6-23	8WB5-50A	10WC6-50
8WB5-19A	10WC6-19	8WB5-23S	12W6-23S	8WB5-50S	12WB6-50
8WB5-19S	12WC6-19	8WB5-40S	12W6-40		

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

9.3 Channel Interface and Network Channel Codes (Cont'd)

9.3.5 Compatible Channel Interfaces (Cont'd)

(H) Digital Data

<u>Compatible Cis</u>		<u>Compatible Cis</u>		<u>Compatible Cis</u>	
			4DS8-15	6DU5-48	
4DS8-15	4DU8-15+	4DS8-15	6DU5-56	4DU5-96	4DU5-96
4DS8-15	4DU8-24	4DS8-15	6DU5-96	6DU5-24	6DU5-24
4DS8-15	4DU8-48	4DU5-24	4DU5-24	6DU5-48	6DU5-48
4DS8-15	4DU8-56	4DU5-48	4DU5-48	6DU5-56	6DU5-56
4DS8-15	6DU5-96	4DU8-56	4DU5-56	6DU5-96	6DU5-96
4DS8-15	6DU5-24				

+ Available only as a cross connect of two digital circuits at appropriate digital speeds at a Telephone Company hub.

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)9.3 Channel Interface and Network Channel Codes (Cont'd)9.3.5 Compatible Channel Interfaces (Cont'd)(I) High Capacity

<u>Compatible CIs</u>		<u>Compatible Cis</u>	
4DS0-63	4DS0-63	4DS8-15	4DU8-8
4DS0-63	6DU8-A,B or C	4DS8-15J	6DU8-A
4DS0-63	4DU8-A,B or C	4DS8-15J	4DU8-A
4DS6-27	4DS6-27	4DS8-15K	6DU8-B
4DS6-27	6DU8-A,B or C	4DS8-15K	4DU8-B
4DS6-27	4DU8-A,B or C	4DS8-15K	6DU8-C
4DS6-44	4DS6-44	4DS8-15K	4D78-C
4DS6-44	6DU8-A,B or C	4DS9-31	4DS9-31
4DS6-44	4DU8-A,B or C	4DS9-31	6DU-A,B or C
4DS8-15	4DS8-15+	4DS9-4DU-A,B or C	4DS9-4DU-A,B or C
4DS8-15	6DU8-B	4DU0-A,B or C	4DU8-A,B or C

+ Available only as a cross connect of two individual circuits of 1.544 Mbps facilities at a Telephone Company hub.

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10. Special Federal Government Access Services

10.1 General

This section covers Special Access Services that are provided to a customer for use only by agencies or branches of the Federal Government and other users authorized by the Federal Government. Services provided to state emergency operations centers are included. These services provide for command and control communications, including communications for national security, emergency preparedness and presidential requirements. They are required to assure continuity of Government in emergency and crisis situations and to provide for national security.

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.

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10. Special Federal Government Access Services (Cont'd)

10.2 Emergency Conditions

These services will be provided on the date requested or as soon as possible thereafter when the emergency falls into one of the following categories:

- State of crisis declared by the National Command Authorities (includes commitments made to the National Communications System in the "National Plan for Emergencies and Major Disasters").
- Efforts to protect endangered U.S. personnel or property both in the U.S. and abroad. (Includes space vehicle recovery and protection efforts.)
- Communications requirements resulting from hostile action, a major disaster or a major civil disturbance.
- The director (Cabinet level) of a Federal department, Commander of a Unified/Specified Command, or head of a military department has certified that a communications requirement is so critical to the protection of life and property or to the National Defense that it must be processed immediately.
- Political unrest in foreign countries which affect the national interest.
- Presidential service.

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10. Special Federal Government Access Services (Cont'd)

10.3 Intervals to Provide Service

Services provided under the provisions of this section of the tariff are provided on an individual case basis. Therefore, orders for such service shall be placed under the Negotiated Interval provisions set forth in Section 5.1.7 preceding.

10.4 Safeguarding of Service

10.4.1 Facility Availability

In order to insure communications during periods of emergency, the Telephone Company will, within the limits of good management, make available the necessary facilities to restore service in the event of damage or to provide temporary emergency service.

In order to meet the requirements of agencies or branches of the Federal Government, the Telephone Company may utilize government-owned facilities, when necessary to provide service.

10.5 Federal Government Regulations

In accordance with Federal Government Regulations, all service provided to the Federal Government will be billed in arrears. However, this provision does not apply to other customers that obtain services under the provisions of this tariff to provide their services to the Federal Government.

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10. Special Federal Government Access Services (Cont'd)

10.6 Service Offerings to the Federal Government

The following unique services are provided to a customer for use only by agencies or branches of the Federal Government, other authorized users and state emergency operations centers. The rates and charges for these services shall be developed on an individual case basis and shall be consistent with the rates and charges for services offered in other sections of this tariff.

10.6.1 Type and Description

(A) Voice Grade Special Access Services

(1) Voice Grade Secure Communications Type I

Approximate bandwidth of 10-50,000 Hertz. Furnished for two-point secure communications on two-wire or four-wire metallic facilities between an IC premises and an end user's premises. Services are conditioned as follows:

T-3 Conditioning - The absolute loss (referenced to 1 milliwatt) with respect to frequency shall not exceed:

15 dB at 10 Hz
13 dB at 100 Hz
9 dB at 1,000 Hz
20 dB at 10,000 Hz
30 dB at 50,000 Hz

Additional conditioning (available in one or two directions on four-wire facilities only) to provide the following characteristics:

The absolute loss (referenced to one milliwatt) with respect to frequency shall not exceed:

0 db at 1,000 Hz
± 1 dB between 1,000 Hz and 40,000 Hz
± 2 dB between 10 Hz and 50,000 Hz
(+ means more loss)

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10. Special Federal Government Access Services (Cont'd)

10.6 Service Offerings to the Federal Government (Cont'd)

10.6.1 Type and Description (Cont'd)

(A) Voice Grade Special Access Services (Cont'd)

(1) Voice Grade Secure Communications Type I (Cont'd)

The net loss of the conditioned service (with or without additional conditioning) shall not vary by more than four dB at 1,000 Hz from the levels specified above. Voice frequency signaling or supervisory tones can be transmitted.

(2) Voice Grade Secure Communications Type II

Approximate bandwidth 10-50,000 Hz. Furnished on four-wire metallic facilities for duplex operation for two-point secure communications between an IC premises on an end user's premises and an end user's premises. Services are conditioned as follows:

G-1 Conditioning - The absolute loss with respect to frequency and the net loss variation shall be the same as Voice Grade Secure Communications Type I services without additional conditioning. Voice frequency signaling or supervisory tones can be transmitted.

(3) Voice Grade Secure Communications Type III

Approximate bandwidth 10-50,000 Hz. Furnished on four-wire metallic facilities for duplex operation for two-point secure communications between an IC premises switch and an end user's premises. Services are conditioned as follows:

G-2 Conditioning - The absolute loss with respect to frequency and the net loss variation from the switch to an end user's premises shall be the same as Voice Grade Secure Communications Type I services without additional conditioning; from an end user's premises to the switch shall be the same as Voice Grade Secure Communications Type I services with additional conditioning. Voice frequency signaling or supervisory tones can be transmitted.

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10. Special Federal Government Access Services (Cont'd)

10.6 Service Offerings to the Federal Government (Cont'd)

10.6.1 Type and Description (Cont'd)

(A) Voice Grade Special Access Services (Cont'd)

(4) Voice Grade Secure Communications Type IV

Approximate bandwidth 10-50,000 HZ. Furnished on four-wire metallic facilities for duplex operation for two-point secure communication between two IC premises switches. Services are conditioned as follows:

G-3 Conditioning - The absolute loss with respect to frequency and the net loss variation shall be the same in both directions of transmission as Voice Grade Secure Communications Type I services with additional conditioning. Voice frequency signaling or supervisory tones can be transmitted.

(B) Wideband Digital Special Access Service

Service arrangements for secured communications to accommodate the transmission of binary digital baseband signals in a random polar format.

(1) Wideband Secure Communications Type I

For transmission at the rate of 18,750 bits per second.

(2) Wideband Secure Communications Type II

For transmission at the rate of 50,000 bits per second.

(3) Wideband Secure Communications Type III

To accommodate the transmission of restored polar two-level facsimile signals with a minimum signal element width of twenty microseconds at a rate of 50,000 bits per second.

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10. Special Federal Government Access Services (Cont'd)

10.6 Service Offerings to the Federal Government (Cont'd)

10.6.1 Type and Description (Cont'd)

(B) Wideband Digital Special Access Services (Cont'd)

To accommodate the transmission of binary digital baseband signals in a random polar format at the rate of 50,000 bits per second.

(C) Special Routing Access Service

Special Routing Access Service is furnished only to AT&T Communications (AT&T-C) for an agency or branch of the Federal Government. This service provides the customer's end users the ability to originate and terminate calls to or from the customer's premises utilizing a Special Routing Plan.

This service is an optional service which operates in conjunction with Trunk Side Premium Access Service furnished to AT&T-C under other provisions of this tariff.

10.6.2 Mileage Application

Mileage, when used for rate application between two customer premises, shall be determined by the V and H Coordinates Method as set forth in EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. No. 4 and administered as set forth in Section 7.5.5 preceding.

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10. Special Federal Government Access Services (Cont'd)

10.6 Service Offerings to the Federal Government (Cont'd)

10.6.3 Rates and Charges

(A) Voice Grade Special Access Service

The provision of T-3 and G conditioned services contemplates station and tandem switching operations, using customer provided equipment, as well as Special Access Service. Separate narrowband or voice grade services, where required by the customer provided equipment or switching operation, are furnished in accordance with the applicable sections of this tariff.

<u>Voice Grade Secure Communications</u>	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	<u>Termination Charges</u>
Type I, each T-3 Conditioning,	GCA++	ICB rates and charges apply		
Additional Conditioning, per service termination	GTO++	ICB rates and charges apply		
Type II, each G-1 Conditioning,	GCB++	ICB rates and charges apply		
Type III, each G-2 Conditioning,	GCC++	ICB rates and charges apply		
Additional Conditioning, per service termination	G2OH	ICB rates and charges apply		
<u>Voice Grade Secure Communications</u>	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	<u>Termination Charges</u>
Type IV, each G-3 Conditioning,	GCD++	ICB rates and charges apply		
Additional Conditioning, per service termination	G3O++	ICB rates and charges apply		

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10. Special Federal Government Access Services (Cont'd)**10.6 Service Offerings to the Federal Government (Cont'd)****10.6.3 Rates and Charges (Cont'd)****B) Wideband Digital Special Access Service**

<u>Wideband Secure Communications</u>	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	<u>Termination Charges</u>
Type I, each	GW1++	ICB rates and charges apply		
Type II, each	GW2++	ICB rates and charges apply		
Type III, each	GW3++	ICB rates and charges apply		

(C) Move Charges

- (1) When service without a termination charge associated with it, as set forth in (A) and (B) preceding, is moved to a different building, the nonrecurring charge applies; when moved to a new location in the same building, a charge of one-half the nonrecurring charge applies.
- (2) When service with a termination charge associated with it, as set forth in (A) and (B) preceding, is moved and is reinstalled at a new location, the customer may elect:
 - to pay the unexpired portion of the termination charge for the service, if any, with the application of nonrecurring charge and the establishment of a new termination charge for such service at the new location, or
 - to continue service subject to the unexpired portion of the termination charge, if any, and pay the estimated costs of moving such service, provided that the customer requests these charges be quoted prior to ordering the service move. Charges for moving such service will be based on estimated costs attributable to the move.

Move charges include the estimated costs of removal, restoration of services or facilities necessitated by the move, transportation, storage, reinstallation, engineering, labor, supervision, materials, administration, and any other specific items of cost directly attributable to the move.

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By: John A. Feaster, President
Weaverville, N.C.10. Special Federal Government Access Services (Cont'd)10.6 Service Offerings to the Federal Government (Cont'd)10.6.3 Rates and Charges (Cont'd)(D) Special Routing Access Services

The following rates and charges are in addition to all other rates and charges that may be applicable for other services that may be furnished under the provisions of this tariff to operate in conjunction with this service:

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>
(1) Special Routing Access Service Special Routing Plan Setup, per Switching System	GCD++	-	\$ 200.00
(2) Special Routing Access Service Trunk Group Setup, per End Office or Tandem Office, Switching System per occurrence	GID	-	1000.00
(3) Special Routing Access Service Mode Selection (Active or Deactive), per Switching System per occurrence	GIE	-	200.00
(4) Special Routing Access Service Maintenance and Administration, per Switching System per month*	GIM	150.00	-

* This rate applies only to Switching Systems with this feature.

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11. **Special Facilities Routing of Access Services**

11.1 **Description of Special Facilities Routing of Access Services**

The services provided under this tariff are provided over such routes and facilities as the Telephone Company may elect. Special Facilities Routing is involved when, in order to comply with requirements specified by the customer, the Telephone Company provides Switched Access Service, Special Access Service or Special Federal Government Access Service in a manner which includes one or more of the following conditions:

11.1.1 **Diversity**

Two or more services must be provided over not more than two different physical routes.

11.1.2 **Avoidance**

A service must be provided on a route which avoids specified geographical locations.

11.1.3 **Cable-Only Facilities**

Certain Voice Grade services are provided on Cable-Only Facilities to meet the particular needs of a customer.

Service is provided subject to the availability of Cable-Only facilities. In the event of service failure, restoration will be made through the use of any available facilities as selected by the Telephone Company.

Avoidance and Diversity are available on Switched Access Service as set forth in Section 6. preceding; Metallic and Telegraph Grade, Voice Grade and Wideband Analog Special Access Services as set forth in Section 7.3, 7.4, 7.5 and 7.8 preceding and Special Federal Government Access Services as set forth in Section 10.6 preceding. Cable-Only Facilities are available for Switched Access Service as set forth in Section 6. preceding; Voice Grade Special Access Services as set forth in Section 7.5 preceding and Special Federal Government Access Services as set forth in Section 10.6 preceding.

In order to avoid the compromise of special routing information, the Telephone Company will provide the required routing information for each specially routed service to only the ordering customer. If requested by the customer, this information will be provided when service is installed and prior to any subsequent changes in routing.

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11. **Special Facilities Routing of Access Services (Cont'd)**

11.1 **Description of Special Facilities Routing of Access Services (Cont'd)**

The rates and charges for Special Facilities Routing of Access Services as set forth in 11.2 following are in addition to all other rates and charges that may be applicable for services provided under other sections of this tariff.

11.2 **Rates and Charges for Special Facilities Routing of Access Service**

The rates and charges for Special Facilities Routing of Access Services are as follows:

11.2.1 **Diversity**

For each service provided in accordance with 11.1.1 preceding, the rates and charges will be developed on an individual case basis and filed following:

USOC
SYD++

11.2.2 **Avoidance**

For each service provided in accordance with 11.1.2 preceding, the rates and charges will be developed on an individual case basis and filed following:

USOC
SYA++

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11. Special Facilities Routing of Access Services (Cont'd)

11.2 Rates and Charges for Special Facilities Routing of Access Services (Cont'd)

11.2.3 Diversity and Avoidance Combined

For each service provided in accordance with 11.1.1 and 11.1.2 preceding, combined, the rates and charges will be developed on an individual case basis and filed following:

USOC
SYB++

11.2.4 Cable-Only Facilities

For each service provided in accordance with 11.1.3 preceding, the rates and charges will be developed on an individual case basis and filed following:

USOC
SYC++

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12. Specialized Service or Arrangements

12.1 General

Specialized Service or Arrangements may be provided by the Telephone Company, at the request of a customer, on an individual case basis if such service or arrangements meet the following criteria:

- The requested service or arrangements are not offered under other sections of this tariff.
- The facilities utilized to provide the requested service or arrangements are of a type normally used by the Telephone Company in furnishing its other services.
- The requested service or arrangements are 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.

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13. Exceptions to Access Service Offerings

The service offered under the provisions of this tariff are subject to availability as set forth in Section 2.1.4 preceding. In addition, the following exceptions apply:

(Paragraphs 13.1 through 13.5 following are reserved for future listing. In the meantime, in planning an end-to-end service, the customer should contact the Telephone Company in each customer premises city to assure itself that all of the service or service components required for a given customer service are currently available).

- 13.1 The following service(s) is (are) not offered in the operating territory of listed Issuing Carriers.
- 13.2 The following offering(s) is (are) limited to existing locations. No inside moves, rearrangements or additions will be permitted.
- 13.3 The following offering(s) is (are) limited to existing locations. Inside moves or rearrangements may be undertaken. However, no additions will be permitted.
- 13.4 The following offering(s) is (are) limited to existing locations where additional units may be added for growth. Inside moves or rearrangements may be undertaken.
- 13.5 The following offering(s) is (are) limited to existing locations where additional units may be added for growth. However, inside moves or rearrangements will not be permitted.

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Section 14
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14. **EAS AND ACCESS TANDEM BILLING ARRANGEMENTS**

14.1 **General**

This section sets forth information concerning the provision of Access Services by more than one exchange telephone company when providing Feature Group A in an Extended Area Service arrangement or Feature Group B in an Access Tandem arrangement, and such companies do not provide service under the same access service tariff. It is an adjunct to other sections of this tariff such as Ordering (Section 5) and Switched Access Service (Section 6).

14.2 **Billing of Switched Access Service Feature Group A in Extended Area Service Arrangements**

- (A) Where the customer is provided Switched Access Service Feature Group A, in an Extended Area Service arrangement as set forth in Section 2.4.7(C) preceding, the Telephone Company may apply additional Switched Access Service rates. The application of such additional charges depends upon whether or not there exists a revenue sharing arrangement between the Telephone Company and the Primary Exchange Carrier (PEC). The Primary Exchange Carrier is the exchange telephone company in whose exchange the first point of switching for Feature Group A is located. Listed below is information concerning the billing of additional Switched Access Service charges applied by Contel of North Carolina, Inc.

State - North Carolina

PEC - Southern Bell Telephone & Telegraph Co.

Contel's Applying Add'l Chgs.

Contel's Not Applying Add'l Chgs.

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14. EAS AND ACCESS TANDEM BILLING ARRANGEMENTS (Cont'd)

14.3 Billing of Switched Access Service Feature Group B in Access Tandem Arrangements

- (A) Where the customer is provided Switched Access Service Feature Group B in an Access Tandem arrangement, the Telephone Company may apply additional Switched Access Service rates. The application of such additional charges depends upon whether or not there exists a revenue sharing arrangement between the Telephone Company and the Primary Exchange Carrier (PEC). The Primary Exchange Carrier is the exchange telephone company in whose exchange the first point of switching for Feature Group B is located. Listed below is information concerning the billing of additional Switched Access Service charges applied by Contel of North Carolina, Inc..

State - North Carolina

PEC - Southern Bell Telephone & Telegraph Co.

Contel's Applying Add'l. Chgs.

Contel's Not Applying Add'l Chgs.

Contel of North Carolina, Inc.

VERIZON SOUTH INC.
d/b/a Verizon North Carolina

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By: Vice President
Durham, North Carolina

15. **Special Construction**

15.1 **Application of Special Construction**

This section contains regulations, rates, charges and liabilities applicable for the special construction of intrastate facilities provided by the Issuing Carriers of this tariff, hereinafter referred to as the Telephone Company. (C)

15.2 **Regulations**

15.2.1 **Filing of Charges**

Rates, charges and liabilities for special construction to provide facilities for use for one month or more are filed in Section 15.3, following, as appropriate.

15.2.2 **Ownership of Facilities**

The Telephone Company providing specially constructed facilities under the provisions of this tariff retains ownership of all such facilities.

15.2.3 **Interval to Provide Facilities**

Based on available information and the type of service ordered, the Telephone Company will establish a completion date for the specially constructed facilities. If the scheduled completion date cannot be met due to circumstances beyond the control of the Telephone Company, a new completion date will be established and the customer will be notified.

15.2.4 **Special Construction Involving Both Interstate and Intrastate Facilities**

When special construction involves facilities to be used to provide both interstate and intrastate services, charges for the portion of the construction used to provide interstate service shall be in accordance with this tariff. Charges for the portion of the construction used to provide intrastate service shall be in accordance with the appropriate intrastate tariff.

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15. Special Construction (Cont'd)

15.2 Regulations (Cont'd)

15.2.5 Payments for Special Construction

(A) Payment of Charges

All bills associated with special construction charges are due in accordance with the regulations in the appropriate service tariff.

(B) Start/End of Billing

Billing of recurring charges for specially constructed facilities starts on the day after the facilities are made available for use. Billing accrues through and includes the day that the specially constructed facilities are discontinued.

(C) Credit Allowance for Service Interruptions

In the event of a service interruption involving a specially constructed facility, the customer shall receive a recurring monthly charge credit in accordance with the credit allowance provisions in the appropriate service tariff associated with the affected services.

When an interruption continues due to the failure of the customer to authorize the replacement of facilities subject to a Replacement Charge, as specified in 15.2.6(D)(1)(d) following, the credit allowance will be terminated on the seventh calendar day after the Telephone Company has provided the customer with written notification of the need for replacement. The credit allowance will resume on the day after the Telephone Company receives written authorization for the replacement from the customer.

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15. Special Construction (Cont'd)

15.2 Regulations (Cont'd)

15.2.6 Liabilities and Charges for Special Construction

(A) General

This section describes the various charges and liabilities that may apply when the Telephone Company provides special construction of facilities in accordance with an order for service. Written approval of all liabilities and charges must be provided to the Telephone Company prior to the start of construction.

(B) Conditions Requiring Special Construction

Special construction is required when 1) facilities are not available to meet an order for service, and 2) the Telephone Company constructs facilities, and 3) one or more of the following conditions exist:

- The Telephone Company has no other requirement for the facilities requested.
- It is requested that service be furnished using a type of facility, or via a route, other than that which the Telephone Company would normally utilize in furnishing the requested service.
- More facilities are requested that would normally be required to satisfy an order.
- It is requested that construction be expedited resulting in added cost to the Telephone Company.

(C) Development of Liabilities and Charges

Special construction charges and liabilities will be developed based on estimated costs, except when actual costs are requested in writing prior to the start of special construction.

In order to meet a scheduled date when actual costs are requested, an initial special construction filing may be made based on estimated costs. Such a filing will be revised when actual costs are available.

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15. Special Construction (Cont'd)

15.2 Regulations (Cont'd)

15.2.6 Liabilities and Charges for Special Construction (Cont'd)

(D) Types of Liabilities and Charges

Depending on the specifics associated with each individual case, one or more of the following special construction charges and/or liabilities may be applicable:

(1) Nonrecurring Charge

A nonrecurring charge always applies and includes one or more of the following components:

(a) Case Preparation Charge

A nonrecurring charge always includes a case preparation charge component to cover the administrative expenses associated with preparing a special construction case and the associated tariff filing.

(b) Expediting Charge

A nonrecurring charge may include an expediting charge when it is requested that special construction be completed on an expedited basis. The charge equals the difference in estimated cost between expedited and nonexpedited construction.

(c) Optional Payment

An optional payment charge may be included in the nonrecurring charge in association with a type of facility or route other than that which the Telephone Company would normally use in furnishing the requested service if lower recurring monthly charges are desired for the specially constructed facilities. This charge is equal to the excess installed cost or the total nonrecoverable cost, whichever is less. This election must be made in writing before special construction starts. If this election is coupled with the actual cost option, the optional payment charge will reflect the actual cost of the specially constructed facilities.

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15. Special Construction (Cont'd)15.2 Regulations (Cont'd)15.2.6 Liabilities an Charges for Special Construction (Cont'd)(D) Types of Liabilities and Charges (Cont'd)(1) Nonrecurring Charge (Cont'd)(d) Replacement Charge

If any portion of specially constructed facilities for which an optional payment charge has been paid requires replacement involving capital investment, a replacement charge will apply. This charge will be in the same ratio to the total replacement cost as the initial optional payment charge was to the installed cost of the original specially constructed facilities. If any portion of the facilities subject to the replacement charge fails, service will not be restored until notification is provided in writing that replacement is required and such replacement is ordered.

(e) Rearrangement Charge

If the Telephone Company is requested to rearrange existing specially constructed facilities, a nonrecurring charge equal to the cost of any additional special construction will apply.

(f) Special Construction of Facilities for Use for less Than One Month

When the Telephone Company is requested to construct facilities to provide service for less than one month, a nonrecurring charge only applies. In addition to the case preparation charge component, this nonrecurring charge recovers all elements of cost, including engineering, shipping of equipment, equipment installation, line-up, equipment leasing, space rental, equipment removal, and any other costs associated with the construction of the facilities.

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15. Special Construction (Cont'd)15.2 Regulations (Cont'd)15.2.6 Liabilities and Charges for Special Construction (Cont'd)(D) Types of Liabilities and Charges (Cont'd)(2) 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, 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.

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15. Special Construction (Cont'd)15.2 Regulations (Cont'd)15.2.6 Liabilities and Charges for Special Construction (Cont'd)(D) Types of Liabilities and Charges (Cont'd)(2) Maximum Termination Liability and Termination Charge (Cont'd)

The Telephone Company will notify the customer six months in advance of the expiration date of each ten-year liability period. The customer must provide the Telephone Company with written notification of at least 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 specific 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, 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.

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15. Special Construction (Cont'd)

15.2 Regulations (Cont'd)

15.2.6 Liabilities and Charges for Special Construction (Cont'd)

(D) Types of Liabilities and Charges (Cont'd)

(2) Maximum Termination Liability and Termination Charge (Cont'd)

Example:

A customer with a filed Maximum Termination Liability of \$100,000 for 3600 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.

(3) 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 percent 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 amount. This product is then multiplied by the number of years (including any fraction thereof) in the ILP to determine the underutilization charge.

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15. Special Construction (Cont'd)**15.2 Regulations (Cont'd)****15.2.6 Liabilities and Charges for Special Construction (Cont'd)****(D) Types of Liabilities and Charges (Cont'd)****(3) Annual Underutilization Liability and Underutilization Charge (Cont'd)**

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 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 five years. The annual underutilization liability is filed at \$2.00 per pair. If 400 pairs 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 five years would be \$200.00, or \$2.00 per pair x 20 pairs x 5 years.

If 420 pairs are in service at the end of the 6th year, there is no underutilization, i.e., $420 - 420 = 0$.

(4) Recurring Monthly Charges**(a) Charge for Route or Type Other than Normal**

When special construction is requested using a route or type of facility other than that which the Telephone Company would normally use, a recurring monthly charge, in addition to the monthly rates for service, is applicable. The charge is equal to the difference between the recurring costs of the specially constructed facilities and the recurring costs of the facilities the Telephone Company would have normally used.

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15. Special Construction (Cont'd)

15.2 Regulations (Cont'd)

15.2.6 Liabilities and Charges for Special Construction (Cont'd)

(D) Types of Liabilities and Charges (Cont'd)

(4) Recurring Monthly Charges (Cont'd)

(a) Charge for Route or Type Other than Normal (Cont'd)

1. When an Optional Payment Charge as set forth in 2.6.4(A)(3) preceding has been elected, the recurring monthly charge will be reduced to include specially constructed facility operating expenses only.
2. If the actual cost option as set forth in 2.6.3 preceding has been elected, the recurring charge will be adjusted to reflect the actual cost of the new construction when the costs have been determined. This adjusted recurring charge is applicable from the start of service.

(5) Lease Charge

This charge applies when the Telephone Company leases equipment in order to meet service requirements. The amount of the charge is equal to the net added cost to the Telephone Company caused by the lease.

(6) Cancellation Charge

If a service order with which special construction is associated is cancelled prior to the start of service, a cancellation charge will apply. The charge will include all nonrecoverable costs incurred by the Telephone Company in association with the special construction up to and including the time of cancellation.

15.2.7 Deferral of Start of Service

The Telephone Company may be requested to defer the start of service which will use specially constructed facilities subject to the provisions set forth in the service tariff under which service is being provided. Requests for special construction deferral must be in wiring and are subject to the following regulations:

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15. Special Construction (Cont'd)

15.2 Regulations (Cont'd)

15.2.7 Deferral of Start of Service (Cont'd)

(A) Construction Has Not Begun

If the Telephone Company has not incurred any installation costs before receiving a request for deferral, no charge applies.

(B) Construction Has Begun

If the construction of facilities has begun before the Telephone Company receives a request for deferral, charges will vary as follows:

(1) All Services are Deferred

When all services which will use specially constructed facilities are deferred, a charge based on the costs incurred by the Telephone Company during each month of the deferral will apply. Those costs include the recurring costs for that portion of the facilities already completed and any other costs associated with the deferral. The cost of any components of the nonrecurring charge which have been completed at the time of deferral will also apply.

(2) Some Services are Deferred

When some services which will use the specially constructed facilities are deferred, the construction case will be completed and all special construction charges will apply.

(C) Construction Complete

If the construction of facilities has been completed before the Telephone Company receives a request for deferral, all special construction charges will apply.

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15. Special Construction

15.2 Regulations

15.2.8 Definitions

Actual Cost - The term "Actual Cost" denotes all costs charges against a specific case of special construction, including any appropriate taxes.

Annual Underutilization Liability - The term "Annual Underutilization Liability" denotes a per unit amount which may be billed annually if fewer services are in use utilizing specially constructed facilities at filed tariff rates than were originally specially constructed.

Estimated Cost - The term "Estimated Cost" denotes all estimated costs that will be incurred in providing a specific case of special construction, including any appropriate taxes.

Facilities - The term "Facilities" denotes any cable, poles, conduit, microwave or carrier equipment, wire center distribution frames, central office switching equipment, etc., utilized to provide interstate services.

Initial Liability Period - The term "Initial Liability Period" denotes the initial planning period during which the customer expects to place specially constructed facilities in service.

Installed Cost - The term "Installed Cost" denotes the total investment (estimated or actual) required by the Telephone Company to provide specially constructed facilities.

Maximum Termination Liability - The term "Maximum Termination Liability" denotes the maximum amount which may be billed if all services using specially constructed facilities are terminated prior to the expiration of the Maximum Termination Liability Period.

Maximum Termination Liability Period - The term "Maximum Termination Liability Period" denotes the length of time for which a termination charge may apply if all services using specially constructed facilities are terminated.

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15. Special Construction (Cont'd)**15.2 Regulations (Cont'd)****15.2.8 Definitions (Cont'd)**

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

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

Normal Construction - The term "Normal Construction" denotes all facilities the Telephone Company would normally use to provide service in the absence of a requirement for special construction.

Normal Cost - The term "Normal Cost" denotes the estimated cost to provide services using normal construction.

Permanent Facilities - The term "Permanent Facilities" denotes facilities providing service for one month or more.

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

Termination Charge - The term "Termination Charge" denotes the portion of the Maximum Termination Liability that is applied as a nonrecurring charge when all services are discontinued prior to the expiration of the specified liability period.

15.3 Special Construction Rates, Charges and Liabilities

This section contains special construction cases providing permanent facilities in accordance with the regulations specified in 2.1 through 2.8 preceding, with the exception of annual underutilization liability. When there is a partial discontinuance of service on specially constructed facilities, the charge for only the rate elements containing the specially constructed facilities, as contained in the appropriate service tariff, will apply for each discontinued facility during the unexpired portion of the maximum termination liability period. For purposes of determining this charge, any facilities subject to minimum period monthly charges are considered to be in service at filed tariff rates.

ACCESS SERVICE TARIFF - NCUC No. 1

GTE SOUTH INCORPORATED
North Carolina (Contel NC)

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BY: Vice President
Durham, North Carolina

16. Access to Cellular Mobile Carriers for Wide Area Call Reception Service for InterLATA Inter-Cellular Geographic Service Area

16.1

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16.2.1

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17. ANCILLARY SERVICES

17.1 General

17.1.1 Service Offerings

Ancillary Services are available in the following categories:

- (A) Billing and Collection Services
 - Call Recording Service
 - Message Processing Service
 - Assembly and Editing Service
 - Call Record Provision Service
 - Message Bill Processing Service
 - Bill Rendering Service
 - Message Investigation Service
 - Online Bill Pay
 - Fundamental Billing
 - Program Development
 - Inquiry Service

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Regulations, rates and charges as follows apply to Ancillary Services and shall not serve as a substitute for customer tariff offerings of services to end users. The provision of such Ancillary Services by the Telephone Company, as set forth following, does not constitute a joint undertaking with the customer for the furnishing of any service.

The Telephone Company's undertaking to provide Ancillary Services is made only in conjunction with intrastate services offered within its operating territory.

The regulations, rates and charges contained herein are in addition to the applicable regulations, rates and charges specified in other sections of this tariff and in other tariffs of the Telephone Company which are referenced herein.

17.1.2 Regulations

(A) Undertaking of the Telephone Company

(1) Provision of Ancillary Services

- (a) The Telephone Company, to the extent Ancillary Service is available, or can be made available with reasonable effort, will provide to the customer Ancillary Services as described in 17.1.3, at rates and charges as specified in 17.1.5.

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17. ANCILLARY SERVICES (Continued)

17.1 General (Continued)

17.1.2 Regulations (Continued)

(A) Undertaking of the Telephone Company (Continued)

(1) Provision of Ancillary Services (Continued)

- (b) When the customer subscribes to Call Recording Service, as set forth in 17.1.3(A)(1), and customer message detail is not available because the Telephone Company lost or damaged tapes or incurred recording system outages, the Telephone Company will estimate the volume of lost customer messages and associated revenue based on previously known values determined from historical data. In such events the extent of the Telephone Company's liability for damages shall be limited to the granting of a corresponding credit adjustment on the customer's bill representing amounts due to the customer for the unbilled revenue.

When the Telephone Company is notified that, due to error or omission, incomplete data has been provided to a customer, the Telephone Company will make every reasonable effort to locate and/or recover the data and provide new magnetic tapes to the customer at no additional charge. Such request to recover the data must be made within 30 days from the date the details were initially made available to the customer. If the data cannot be recovered, the extent of the Telephone Company's liability for damages shall be limited as set forth in the preceding paragraph.

- (c) The Telephone Company shall be responsible for contacts and arrangements with the end user concerning the billing, collecting, crediting and adjusting of the customer's service charges, when the Telephone Company provides Inquiry Service as set forth in 17.1.3(A)(11).
- (d) Message Bill Processing, Bill Rendering, Online Bill Pay Service, Fundamental Billing, Invoice Billing and Inquiry Services will only be offered by the Telephone Company with the purchase of receivables. The Telephone Company will purchase the customer's receivables at a discount from face value. The exact contents of the discount factor and specific settlement procedures will be contained in individual contractual arrangements signed by each customer. (T)

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17. ANCILLARY SERVICES (Continued)

17.1 General (Continued)

17.1.2 Regulations (Continued)

(A) Undertaking of the Telephone Company (Continued)

(1) Provision of Ancillary Services (Continued)

- (e) For the purpose of Section 17 of this Tariff only, the Company will provide billing and collection services to clearinghouse agents who are authorized to act as agents for certified Interexchange Carriers and automated collect COCOTs. The clearinghouse agent can obtain only billing and collection services from the Company for telecommunications services on behalf of certified ICs and automated collect COCOTs. The Telephone Company must obtain verification from the clearinghouse agent that the entities on whose behalf it is billing are certified in North Carolina. All other access services will be limited to those entities, which have been certified and authorized by the Commission to provide intrastate long distance telecommunication service.

When a clearinghouse acts as an agent for ICs, the clearinghouse will comply with the same requirements and obligations that apply to ICs under this tariff. In addition, specific requirements for clearinghouse agents have been specified in Section 17.1.2(B)(3).

(2) Discontinuance and Refusal of Ancillary Services

- (a) If the customer fails to comply with the provisions of this tariff, including any payments to be made by it on the dates or at the times herein specified, and fails within thirty (30) days after written notice via certified mail from the Telephone Company to an officer of the customer requesting payment for such noncompliance, the Telephone Company may discontinue the provision of the Ancillary Service. In case of such discontinuance, all applicable charges shall immediately become due.
- (b) If the customer repeatedly fails to comply with the provisions of this tariff in connection with the provision of Ancillary Services and fails to correct such course of action after notice as set forth in (a) preceding, the Telephone Company may refuse applications for additional Ancillary Services.

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17. ANCILLARY SERVICES (Continued)

17.1 General (Continued)

17.1.2 Regulations (Continued)

(B) Obligations of the Customer

(1) References to the Telephone Company

The customer may advise end users that Ancillary Services are provided by the Telephone Company in connection with the service the customer furnishes to its end users.

(2) Request for Service

(a) Minimum Order Periods

The customer shall order Ancillary Service(s) with the following minimum requirements:

The minimum period for which Call Recording Service is provided and for which charges apply is one month (30 days). A customer may cancel Call Recording Service on any date prior to the start of the next month's service. If written notice is not received from the customer, or from the telephone company that ordered the Call Recording Service prior to the start of the following month's service, the Telephone Company shall assume that the service is to be extended for another month (30 days).

The initial minimum period for Message Processing, Message Bill Processing, Bill Rendering, Online Bill Pay, Fundamental Billing and Inquiry Services is three years. Six months prior to the end of the initial order period or subsequent extension, the customer shall notify the Telephone Company in writing, if the service is to be discontinued. If no notice is received from the customer, the Telephone Company shall assume that the service is extended for another year.

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17. ANCILLARY SERVICES (Continued)

17.1 General (Continued)

17.1.2 Regulations (Continued)

(B) Obligations of the Customer (Continued)

(2) Request for Service (Continued)

(b) Order Requirements

When Call Recording Service is ordered, the customer shall furnish the Telephone Company an estimate of the number of messages (message capacity) to be recorded. When Call Recording Service is provided from an end office switch, the estimate of the number of messages to be recorded shall be provided by end office. When Call Recording Service is provided from an access tandem, the estimate of the number of messages to be recorded shall be provided by access tandem. The message capacity shall be provided by year.

When Message Processing Service is ordered, the customer shall furnish the Telephone Company an estimate of the number of messages (message capacity) to be processed. The number of messages shall be provided by year.

When Message Bill Processing, Message Investigation, Online Bill Pay, Fundamental Billing and Inquiry Services are ordered for MTS/WATS services, the customer shall furnish the Telephone Company an estimate of the number of messages (message capacity) to be billed. The message capacity shall be provided by year. Separate estimates shall be furnished by the customer for MTS messages, bulk-billed messages (WATS/800 services) and invoice billing messages. (T)

When Bill Rendering Service is ordered, the customer shall furnish the Telephone Company an estimate of the number of bills for which Bill Rendering Service will be provided. The bill capacity shall be provided by year. Separate estimates shall be furnished by the customer for MTS bills, bulk-billed (WATS/800) bills and invoice billing bills.

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17. ANCILLARY SERVICES (Continued)

17.1 General (Continued)

17.1.2 Regulations (Continued)

(B) Obligations of the Customer (Continued)

(3) Clearinghouse Agent Orders

When a clearinghouse agent orders inquiry service, the clearinghouse agent must provide the Company with a toll-free telephone number of the IC so that the end user may directly contact the IC if that end user is not satisfied with the response of the Company, provided, however, that if the clearinghouse agent will provide the IC's toll-free telephone number upon request of the end user, the inquiry will be routed by the Company to the clearinghouse agent for handling.

When the clearinghouse agent does not order inquiry service from the Company, the toll-free telephone number of the IC must be stated on the end user's bill, to enable the end user to directly contact the IC, provided, however, that if the clearinghouse agent will provide the toll-free telephone number of the IC upon request of the end user, the toll-free telephone number of the clearinghouse agent may appear on the bill instead of that of the IC.

A clearinghouse agent must act as a clearinghouse agent for certificated ICs with respect to the provision of billing and collection for telecommunications services provided the following conditions are complied with:

- (a) Prior to provision of intrastate billing and collection service by the Company to a clearinghouse agent, the clearinghouse agent must provide to the Company the name, address, toll-free telephone number, and contact person for each IC on whose behalf the clearinghouse agent is receiving billing and collection services.
- (b) Prior to the provision of intrastate billing and collection service by the Company to a clearinghouse agent, the clearinghouse agent must provide to the Company a copy of the intrastate certification for each IC on whose behalf the clearinghouse agent is receiving billing and collection services.

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17. ANCILLARY SERVICES (Continued)

17.1 General (Continued)

17.1.2 Regulations (Continued)

(B) Obligations of the Customer (Continued)

(3) Clearinghouse Agent Orders (Continued)

- (c) Prior to the provision of intrastate billing and collection services by the Company to a clearinghouse agent, the clearinghouse agent must provide to the Company a copy of its agency agreement with each IC on whose behalf the clearinghouse agent is receiving billing and collection services.
- (d) Each message sent to the Company by the clearinghouse agent must be identified by the appropriate IC's Carrier Identification Code (CIC); the clearinghouse agent must supply its own identifying CIC.
- (e) In the event that a clearinghouse agent ceases to provide intrastate billing and collection services to an IC, the clearinghouse agent must inform the Company immediately.

(C) Payment Arrangements

(1) Minimum Charges

- (a) Call Recording, Message Processing, Message Bill Processing, Online Bill Pay, Bulk-Billed, Fundamental Billing and Inquiry Services are subject to minimum charges. (T)
- (b) Any minimum billings associated with the above services will be filed on an individual case basis in Section 17.1.5(B) of this tariff. (T)

(2) Cancellation of Order for Ancillary Services

- (a) When an order for Ancillary Services is canceled prior to the start of installation of such Ancillary Services, no charges will apply. Installation of Ancillary Services is considered to have started when the Telephone Company incurs any cost in connection therewith or in preparation thereof which would not otherwise have been incurred.

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17. ANCILLARY SERVICES (Continued)

17.1 General (Continued)

17.1.2 Regulations (Continued)

(C) Payment Arrangements (Continued)

(2) Cancellation of Order for Ancillary Services (Continued)

(b) Where program development of Ancillary Services has been started prior to the cancellation, and to the extent the Telephone Company has another use for the specially developed Ancillary Services, no charge applies. When the Telephone Company has no other use for the specially developed Ancillary Services, a charge equal to the costs incurred prior to the date of cancellation applies. Such charge is determined as detailed in paragraph (c).

(c) The charge, as specified in paragraph (b), includes the cost, less the net salvage value of equipment and material either ordered, provided or installed, plus the nonrecoverable cost of system development and installation. Charges will be determined on an individual case basis as required and will be specified in 17.1.5(C).

(3) Acceptance of Gift Certificates

The Telephone Company will accept customer gift certificates for payment from end users, if the customer agreed in writing to redeem all such gift certificates.

(4) Minimum Period Disconnect Charges

Minimum period disconnect charges will apply, if service is discontinued prior to the expiration of the minimum period. For Call Recording Service, the Telephone Company will use the most recent 30 day period for which data is available to determine the total minimum monthly charge. The customer will only be billed for the adjusted amount due, if payment has been received for any portion of the discontinued service.

If, for Message Processing, Message Bill Processing, Bill Rendering, Online Bill Pay, Fundamental Billing and Inquiry Services, service is discontinued prior to the end of the period ordered, the customer will pay the minimum charges for the remaining months of the minimum order period specified in 17.1.2(B)(2)(a). (T)
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17. ANCILLARY SERVICES (Continued)

17.1 General (Continued)

17.1.2 Regulations (Continued)

(C) Payment Arrangements (Continued)

(4) Minimum Period Disconnect Charges (Continued)

The monthly charge for Message Processing, Message Bill Processing, Bill Rendering, Online Bill Pay, Fundamental Billing and Inquiry Services, will be one-twelfth of the appropriate yearly message capacity (i.e., MTS service billed or bulkbilled capacity estimate) furnished by the customer as set forth above, times the appropriate Message Processing, Message Bill Processing, Bill Rendering, Online Bill Pay, Fundamental Billing, and Inquiry Services rate. (T)

(5) Payment of Charges

When the Telephone Company purchases Call Recording from another telephone company and/or Message Processing Services from another telephone company or entity for a customer, the rates and charges for such services contained in this tariff are applicable. (T)

(6) Customer's End User Deposits

When Bill Rendering, Online Bill Pay and Fundamental Billing Services are ordered, the Telephone Company will determine and collect a deposit from the customer's end user in accordance with the Telephone Company deposit regulations. The Telephone Company will provide the customer with a copy of its deposit regulations upon request. (T)

(7) Nonrecoverable Costs and Expenses

When a clearinghouse agent acts as agent for certified ICs in the provision of billing and collection for telecommunication services, any nonrecoverable capital costs and expenses incurred by the Company will apply to the clearinghouse agent.

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17. ANCILLARY SERVICES (Continued)

17.1 General (Continued)

17.1.3 Description of Ancillary Services

Ancillary Services consist of those functions provided in conjunction with Access Service which the Telephone Company offers in other sections of this tariff. Ancillary Services are as follows:

(A) Billing and Collection Services

(1) Call Recording Service

The Telephone Company will provide Call Recording in Telephone Company suitably equipped end offices or tandems. Call recording is available with FGC, FGD or similar Feature Group offerings when used in the provision of MTS/WATS services. Call Recording is the entering on magnetic tape or other acceptable media the details of customer messages originated through Switched Access service or Switched Access-like service for which answer and disconnect supervision has been received. The Telephone Company will provide the customer, upon request, the recorded message detail, as agreed to by both parties, for each completed intrastate message generated by end users gaining access to the customer from the Access Area.

The equipment at the customer designated location shall provide such signals as may be required for the proper operation of the Telephone Company's automatic call recording equipment used to perform this function.

The Telephone Company may purchase Call Recording Service from another telephone company. Another telephone company or entity may purchase Call Recording Service from the Telephone Company.

A standard format for the provision of the recorded message detail will be established by the Telephone Company. The Telephone Company will provide to the customer the precise details of the format. If, in the course of Telephone Company business, it is necessary to change the format, the Telephone Company will provide notification to the customer six months in advance of the change.

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17. ANCILLARY SERVICES (Continued)

17.1 General (Continued)

17.1.3 Description of Ancillary Services (Continued)

(A) Billing and Collection Services (Continued)

(2) Message Processing Service

Message Processing Service consists of the transformation of recorded customer message details into rated messages. Message Processing Service will be provided for each intrastate message generated by end users gaining access to the customer from the Access Area of the Telephone Company. Message Processing Service includes the following:

(a) Assembly of Message Detail

This function consists of arranging the customer's recorded message details into a format required for subsequent processing.

(b) Editing of Message Detail

This function consists of examining individual message details and identifying the messages with errors or the messages which require further examination.

(c) Rating of Messages

This function consists of calculating the charges for messages based on the customer's schedule of charges and the message detail.

The Telephone Company will provide Message Processing Service only for customer messages originated within the Access Area.

For the purpose of performing Message Processing Service, the Telephone Company may purchase Message Processing Service from another telephone company or entity as set forth in 17.1.2(C)(5). Another telephone company or entity may purchase Message Processing Service from the Telephone Company.

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17. ANCILLARY SERVICES (Continued)

17.1 General (Continued)

17.1.3 Description of Ancillary Services (Continued)

(A) Billing and Collection Services (Continued)

(2) Message Processing Service (Continued)

Where the customer provides its own message details, it must be in the standard format established by the Telephone Company. The telephone company will provide to the customer the precise details of the required format. If, in the course of telephone company business, it is necessary to change the format, the telephone company will provide notification to the customer six months in advance of the change.

Where the Telephone Company has rated customer messages which are to be billed to an end user by another telephone company or entity, the Telephone Company will enter the customer messages on a magnetic tape or data file and transmit the rated messages as set forth in 17.1.3(A)(4).

(3) Assembly and Editing Service

Assembly is the aggregation of recorded message details to create individual messages for rating. Editing is the process of verifying that the assembled message data is in accordance with the Telephone Company standard format and prescribed Exchange Message Interface (EMI) specifications.

The editing function consists of examining individual message detail and identifying the messages with errors or the messages requiring further examination. The editing process includes the validation of data categories such as; but not limited to, the following:

- Called Telephone Number
- Calling Telephone Number
- Date

The assembled and edited recorded message detail will be provided to the customer as set forth in 17.1.3(A)(4).

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17. ANCILLARY SERVICES (Continued)

17.1 General (Continued)

17.1.3 Description of Ancillary Services (Continued)

(A) Billing and Collection Services (Continued)

(4) Call Record Provision Service

Call Record Provision Service is the transmission and receipt of rated and unrated message data. It also includes the transmission of end user data as a result of customer generated activity (i.e., transmitting end user data during conversion activities, etc.).

The billing information and/or end user data may be transmitted or received on magnetic tape or other acceptable media via either of two principal methods:

- Hand carried recording media (i.e., magnetic tape).
- Direct interface (data link) to the Telephone Company billing center.

The Telephone Company will determine the number of magnetic tapes required to transmit message/record data to the customer, another telephone company or billing entity.

(5) Message Bill Processing Service

Message Bill Processing Service is the accumulation, guiding and preparation of messages (including the application of taxes), for end user bill rendering for MTS/WATS services.

Message-Billed Message Bill Processing Service is the accumulation, guiding, posting and formatting of rated message detail for bill rendering. The telephone company will process Calling Plans (i.e., Directory Assistance, Optional Calling Plans, Dial-It calls, etc.) that require the application of a discount to aggregate MTS usage as a part of its Message-Billed Message Bill Processing Service.

Bulk-Billed Message Bill Processing Service is the accumulation, guiding and posting of rated message detail where the individual message detail is not provided on the bill rendered to the end user.

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17. ANCILLARY SERVICES (Continued)

17.1 General (Continued)

17.1.3 Description of Ancillary Services (Continued)

(A) Billing and Collection Services (Continued)

(5) Message Bill Processing Service (Continued)

The rating may have been done by the Telephone Company, another entity, or the customer. Where a customer subscribes to Message Processing Service as set forth in 17.1.3(A)(2), the rated customer messages will be used as the input. If the customer provides the rated messages, the end user account to be billed shall be identified and the records shall be provided in the standard format established by the Telephone Company and delivered, as set forth in 17.1.3(A)(4) or 17.1.4(A)(13), to the location specified by the Telephone Company.

If the customer provided rated messages must be converted by the Telephone Company to the standard format, and the Telephone Company agrees to make the conversion, program development charges as set forth in 17.1.5(A) apply for the hours required to design, develop, test and maintain the necessary programs. If, in the course of Telephone Company business, it is necessary to change the format, the Telephone Company will provide notification to the customer six months in advance of the change.

The Telephone Company will only provide Message Bill Processing Service when Bill Rendering Service and Record Keeping are ordered.

The Message Bill Processing Service rate band will be determined by the Telephone Company for each customer, based on the total number of annual interstate and intrastate messages per year.

(6) Bill Rendering Service

Bill Rendering Service is the printing and mailing of statements showing amounts due from end users for services provided by the customer. Bill Rendering Service includes payment and remittance processing, treatment, denial of service and collection of deposits (where appropriate) and other monies due from the end user. Bill Rendering Service is provided on a per bill basis.

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17. ANCILLARY SERVICES (Continued)

17.1 General (Continued)

17.1.3 Description of Ancillary Services (Continued)

(A) Billing and Collection Services (Continued)

(6) Bill Rendering Service (Continued)

When the Telephone Company provides Bill Rendering Service, the customer's statement of the amount due may, at Telephone Company option, be included as part of the regular monthly bill for local exchange service mailed to the end user.

The Telephone Company may, in accordance with its deposit regulations, determine and collect a deposit from the end user for the customer's services as set forth in 17.1.2(C) (6). When necessary, the Telephone Company, in accordance with its treatment procedures, shall deny the customer's services and/or local exchange services to an end user. Where local exchange service access is denied, access to the customer services will also be denied.

Bill Rendering Service will only be provided in conjunction with the purchase of a customer's receivables. The Telephone Company will not be responsible for any customer's balance due from end users prior to the initial order period.

The Telephone Company will only provide Bill Rendering Service when Message Bill Processing Service with Record Keeping is ordered or when Fundamental Billing is ordered. (T)

The Bill Rendering Service rate band will be determined by the Telephone Company for each customer, based on the total number of annual interstate and intrastate bills.

(7) Message Investigation Service

The Telephone Company will provide Message Investigation Service when requested by the customer. Message Investigation Service is that activity undertaken by the Telephone Company to secure, or attempt to secure proper billing information in an effort to sustain or recharge the customer's message. The Telephone Company will investigate, at the request of the customer, unbillable messages to correct message detail information to allow for the proper billing application.

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17. ANCILLARY SERVICES (Continued)

17.1 General (Continued)

17.1.3 Description of Ancillary Services (Continued)

(A) Billing and Collection Services (Continued)

(7) Message Investigation Service (Continued)

The customer's request for Message Investigation Service shall identify the customer message, the date the customer message was billed and the amount of the customer message. Message Investigation Service is provided on a per message investigated basis.

Message Investigation Service will be provided for each intrastate message generated by end users gaining access to the customer MTS/WATS services from the Access Area of the Telephone Company.

(8) Online Bill Pay (T)

Online Bill Pay includes the preparation of bills, mailing of the bills to the end users and the collection of deposits and monies due from the end users. Online Bill Pay also includes master file maintenance. (T)

Online Bill Pay is provided on a per message billed basis (message-billed). The Telephone Company will process Calling Plan (i.e., Directory Assistance, Optional Calling Plans, Dial-It calls, etc.) that require the application of a discount to aggregate MTS usage as a part of its message-billed billing. (T)

When Online Bill Pay is ordered, the Telephone Company will accumulate, guide and post rated messages in preparation for billing (includes the application of taxes). The Telephone Company will also print and mail statements showing amounts due from end users for MTS services provided by the customer. (T)

Collection Service provided to the customer will include receiving payments from the customer's end users, treatment of receivables, treatment of accounts, master file maintenance and collection of deposits (where appropriate) as set forth in 17.1.2(C)(6). When necessary, the Telephone Company, in accordance with its treatment procedures, shall deny the customer's services and/or local exchange services to an end user. Where local exchange service access is denied, access to the customer services will also be denied.

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17. ANCILLARY SERVICES (Continued)

17.1 General (Continued)

17.1.3 Description of Ancillary Services (Continued)

(A) Billing and Collection Services (Continued)

(8) Online Bill Pay (Continued)

(T)

The rating may have been done by the Telephone Company, another entity or the customer. Where the customer subscribes to Message Processing Service as set forth in 17.1.3(A) (2), the rated customer messages will be used as the input. If the customer or another entity provides the rated messages, the end used account to be billed shall be identified and the records shall be provided in the standard format established by the Telephone Company and delivered as set forth in 17.1.3(A) (4) or 17.1.4(A)(13).

Online Bill Pay will only be provided in conjunction with the purchase of a customer's receivables. The Telephone Company will not be responsible for any customer's balance due from end users prior to the initial order period.

(T)

When a clearinghouse agent acts as the agent for certified ICs with respect to the provision of billing and collection for telecommunication services, the end user's bill will state that the clearinghouse agent is a billing agent for ICs certified to do business in North Carolina. The end user's bill will state that billing inquiries can be made to the Telephone Company or the clearinghouse agent and include toll-free telephone numbers for these companies. The end user's bill will state that the Telephone Company or clearinghouse agent, on request, will direct end users to a toll-free telephone number for the underlying certified IC which transported the call.

When a clearinghouse acts as an agent for automated collect COCOTS, only the number of the company providing the inquiry will be printed on the end user's bill.

(D)

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17. ANCILLARY SERVICES (Continued)

17.1 General (Continued)

17.1.3 Description of Ancillary Services (Continued)

(A) Billing and Collection Services (Continued)

(9) Fundamental Billing (T)

Fundamental Billing is the centralized receipt of invoice billing records for inclusion on the end user bill. (T)

Fundamental Billing includes the preparation of bills, mailing of statements of the amount due for services provided by the customer, and the collection of deposits (where appropriate) and monies due from the customer's end users. Fundamental Billing also includes account establishment, maintenance of accounts, and treatment of accounts. (T)

When the Telephone Company provides Fundamental Billing, the customer shall rate its end users messages, calculate the taxes and the total amount (surcharges, discounts, allowances, recurring fees, etc.) to be billed for services it provided to its end users, prior to sending the invoice billing records to the Telephone Company. (T)

The customer's statement of the amount due may, at Telephone Company option, be included as part of the regular monthly bill for local exchange service mailed to the end user.

As a part of its treatment procedures, the Telephone Company shall have the final authority to make adjustments or deny service for disputed charges on the end user's account.

Fundamental Billing will only be provided in conjunction with the purchase of a customer's receivables. The Telephone Company will not be responsible for any customer's balance due from end users prior to the initial order period. (T)

Call Record Provision charges, as set forth in 17.1.5(A), shall apply for the receipt of accepted messages and the return of rejected messages. Bill Rendering Charges, as set forth in 17.1.5(A), shall apply for each bill rendered. In addition, the Fundamental Billing charges as set forth in 17.1.5(A) shall apply. (T)

(D)

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17. ANCILLARY SERVICES (Continued)

17.1 General (Continued)

17.1.3 Description of Ancillary Services (Continued)

(A) Billing and Collection Services (Continued)

(10) Program Development Service

Program Development Service consists of developing the customer's schedule of rates into a rating program and changing the bill format when requested by the customer. Program Development Service also includes converting message data, transmitted to the Telephone Company by the customer or another entity, into the Telephone Company standard format for processing.

A Program Development Charge, as set forth in 17.1.5(A), applies for the programming hours required for software designing and coding.

A Program Implementation Charge applies for table updating, testing, administration, documenting program changes and other implementation activities.

Changes in the rate levels of customer charges to be billed will normally be implemented within 30 days after receipt of an order from the customer requesting such change. When modification to the rating program is required, a Program Development Charge will also apply. Changes in rate structure will normally be completed within six months of a customer's order.

The complexity of the structural change will determine the exact length of time necessary to fulfill the request. Rate structure changes will be made only when the Telephone Company can accommodate such changes.

(11) Inquiry Service

Inquiry Service consists of answering end user questions about charges billed for the customer's services, applying credits and adjustments to end user accounts, and reviewing messages removed from end user bills.

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17. ANCILLARY SERVICES (Continued)

17.1 General (Continued)

17.1.3 Description of Ancillary Services (Continued)

(A) Billing and Collection Services (Continued)

(11) Inquiry Service (Continued)

When the Telephone Company provides Inquiry Service, the Telephone Company will be responsible for contacts and arrangements (either written or oral) with the customer's end users concerning the billing, collecting, crediting, adjusting and message investigation of the customer's service charges in accordance with written instructions furnished by the customer and agreed to by the Telephone Company. Billed messages removed from an end user's bill will be appropriately adjusted to the customer's account receivable as agreed to by both parties.

The Telephone Company will not become involved in disputes between a customer and its end users. Consequently, utilizing Telephone Company guidelines previously established for the collection process for its own accounts, the Telephone Company may remove a disputed customer's charge from an end user's bill and deduct that amount from the customer's accounts receivable. It will be the customer's responsibility to pursue the collection of the disputed amount.

The Telephone Company shall have the final authority to make adjustments or deny service for disputed charges on end users accounts.

Inquiry Service will only be provided in conjunction with the purchase of a customer's receivables. The Telephone Company will not be responsible for any customer's balances due from end users prior to the initial order period.

Inquiry Service will only be provided when Message Bill Processing or Online Bill Pay Service is ordered. Inquiry Service will only be provided in the Telephone Company operating territory. (T)

Inquiry Service consists of a bifurcated rate structure, a per message billed rate and a per adjustment rate.

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17. ANCILLARY SERVICES (Continued)

17.1 General (Continued)

17.1.4 Rate Regulations

(A) Billing and Collection Services

- (1) Call Recording Service for MTS/WATS services includes the functions listed in 17.1.3(A)(1). The rate, as set forth in 17.1.5(A), applies per message recorded.
- (2) Message Processing Service for MTS/WATS services includes the functions listed in 17.1.3(A)(2). The rate, as specified in 17.1.5(A), applies per message processed. In those locations where WATS services are metered, or the billing record is summarized by another telephone company, the Message Processing rate, as set forth in 17.1.5(A), will apply per billing record processed. For rating purposes, a billing record is defined as any record which is required to be processed to accomplish billing of a customer's WATS usage.
- (3) Assembly and Editing Service for MTS/WATS services consists of the functions listed in 17.1.3(A)(3). The rates, as specified in 17.1.5(A), applies per message assembled and edited.
- (4) When message detail is transmitted to or received from the customer, another telephone company or billing entity, a Call Record Provision charge will apply. For this purpose, a record is a logical grouping of information as described in the program that processes the information and loads the magnetic tape or data file. The rate, as specified in 17.1.5(A), applies per record transmitted or received. The Telephone Company will determine the Call Record Provision charge based on its count of the records transmitted or received.
- (5) The Message Bill Processing Service charge applies whenever the Telephone Company performs the functions listed in 17.1.3(A)(5). The rate for Message Bill Processing Service shall be the rate corresponding to the Message Bill Processing Service rate for such volume of messages as set forth in 17.1.5(A) on a calendar year basis. As used in this tariff, the term calendar year shall mean the period from January 1 through December 31 (both dates inclusive) of a given year. The Message Bill Processing Service rate band will be determined by the Telephone Company for each customer based on the total number of interstate and intrastate messages per year.

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17. ANCILLARY SERVICES (Continued)

17.1 General (Continued)

17.1.4 Rate Regulations (Continued)

(A) Billing and Collection Services (Continued)

(5) (Continued)

The Telephone Company will use the customer provided message capacity to determine the band and its associated rate the first year of the initial minimum period. During the first quarter of the next year, the customer and the Telephone Company will determine the actual volume of messages for which the Telephone Company performed Message Bill Processing Service. Such actual volumes shall be compared to the Message Bill Processing Service bands as set forth in 17.1.5(A) to determine which band such actual volume of messages fall. If the actual volume is greater than or less than customer provided message capacity, the actual volume will be multiplied by the appropriate band rate and compared to the billed volume to determine either a charge or credit. This charge or credit will be applied to the customer's subsequent bill.

For each year thereafter, the Telephone Company and the customer shall utilize the previous year's actual volume of messages and the customer provided message capacity in an effort to determine the appropriate band for the next calendar year. In the first quarter of each year, the procedure described in the previous paragraph will be followed.

The rate, as specified in 17.1.5(A) applies per message processed. The bulk-billed Message Bill Processing Service charge applies per WATS/800 message processed.

- (6) Bill Rendering Service includes the functions listed in 17.1.3(A)(6). The rate for Bill Rendering shall be the rate corresponding to the Bill Rendering Service rate for such volume of bills as set forth in 17.1.5(A) on a calendar year basis. As used in this tariff, the term calendar year shall mean the period from January 1 through December 31 (both dates inclusive) of a given year. The Bill Rendering Service rate band is determined by the Telephone Company for each customer based on the total number of bills per year.

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17. ANCILLARY SERVICES (Continued)

17.1 General (Continued)

17.1.4 Rate Regulations (Continued)

(A) Billing and Collection Services (Continued)

(6) (Continued)

The Telephone Company will use the customer provided bill capacity to determine the band and its associated rate the first year of the initial minimum period. During the first quarter of the next year, the customer and the Telephone Company will determine the actual volume of bills for which the Telephone Company performed Bill Rendering Service. Such actual volumes shall be compared to the Bill Rendering Service bands as set forth in 17.1.5(A) to determine which band such actual volume of bills fall. If the actual volume is greater than or less than the customer provided bill capacity, the actual volume will be multiplied by the appropriate band rate and compared to the billed volume to determine either a charge or credit. This charge or credit will be applied to the customer's subsequent bill.

For each year thereafter, the Telephone Company and the customer shall utilize the previous year's actual volume of bills and the customer provided bill capacity in an effort to determine the appropriate band for the next calendar year. In the first quarter of each year, the procedures described in the previous paragraph will be followed.

The rate, as specified in 17.1.5(A) applies per bill rendered. A factor, based on actual interstate and intrastate billed-messages, will be used by the Telephone Company to apportion the Bill Rendering charge by jurisdiction.

- (7) Message Investigation Service consists of the functions listed in 17.1.3(A)(7). The rate, as specified in 17.1.5(A), applies per message investigated by the Telephone Company.
- (8) Online Bill Pay consists of the functions listed in 17.1.3(A)(8). The rate, as set forth in 17.1.5(A), (T) applies per message.
- (9) Fundamental Billing consists of the functions listed in 17.1.3(A)(9). The rates, as set forth in 17.1.5(A), apply per message per bill. (T)

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17. ANCILLARY SERVICES (Continued)

17.1 General (Continued)

17.1.4 Rate Regulations (Continued)

(A) Billing and Collection Services (Continued)

- (10) A Record Keeping Charge applies for each end user account maintained by the Telephone Company for the customer. An end user account is a record which has a name and address and a unique billing identification number assigned by the Telephone Company to which a bill is rendered. The Record Keeping Charge, as specified in 17.1.5(A), applies per month for each account and/or line maintained. A factor, based on actual interstate and intrastate billed messages, will be used to apportion the Record Keeping charge by jurisdiction.
- (11) An Exchange Carrier Memorandum (EC Memo) charge will be assessed each time the customer requests a manual adjustment to an end user account. The EC Memo charge, as specified in 17.1.5(A), applies per account adjusted per memo. When necessary, a factor (based on actual interstate and intrastate adjusted messages) will be used to apportion the EC Memo charge by jurisdiction.
- (12) A Service Order Change Charge applies whenever a billing service order is accepted by the Telephone Company to update (i.e., add, change or delete) its billing file to implement the requested activity. The Service Order Change Charge, as set forth in 17.1.5(A), applies per order processed.
- (13) A Centralized Message Dispersion charge will apply when the Telephone Company provides a single point for the receipt of customer message data. The Telephone Company will receive, edit, sort, disperse and confirm the number of accepted billable messages and the total amount due the customer for services provided to its end users. In addition, the rated and/or unrated message data is dispersed to the appropriate location for further processing and/or billing. The rates, as set forth in 17.1.5(A) will apply per message processed. Call Record Provision charges, as set forth in 17.1.5(A) will apply for the receipt of each billable message and the transmission of each unbillable message. This charge does not apply to Fundamental Billing.

(T)

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17. ANCILLARY SERVICES (Continued)

17.1 General (Continued)

17.1.4 Rate Regulations (Continued)

(A) Billing and Collection Services (Continued)

- (14) Inquiry Service includes the functions listed in 17.1.3 (A)(11). Inquiry Service consists of a bifurcated rate structure, a per message billed and a per adjustment rate. The Inquiry Service per message billed rate applies for each customer message billed by the Telephone Company. The per message adjustment rate applies for each occurrence of an adjustment made to an end user bill (account).

A PIU factor will be used by the Telephone Company to apportion the message adjustment rate by jurisdiction.

17.1.5 Rates and Charges

(A) Billing and Collection Services

- | | | |
|-----|--|----------------|
| (1) | Program Development Charge:
per Hour | \$ 94.00 |
| (2) | Program Implementation:
per Hour | 55.00 |
| (3) | Service Order Change Charge:
per Order | 4.00 |
| (4) | MTS/WATS/800 Services
Call Recording Service:
per Message | .0150 |
| (5) | MTS/WATS/800 Services
Message Processing Service:
per Message
Assembly and Editing Service:
per Message | .0100
.0075 |
| (6) | Call Record Provision Service
Via Magnetic Tape, Per Message
Record Transmitted or Received
Via Direct Interface, Per Message
Record Transmitted or Received | .01
.002 |

(D)

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17. ANCILLARY SERVICES (Continued)

17.1 General (Continued)

17.1.5 Rates and Charges (Continued)

(A) Billing and Collection Services (Continued)

(7)	Message-Billed Message Bill Processing Service per Message		
	0 to 6,424,799	.0762	
	6,424,800/877/888 to 8,566,399	.0400	
	8,566,400 to 12,849,599	.0200	
	12,849,600 to 19,274,399	.0170	
	19,274,400 to 23,558,000	.0160	
	Greater than 23,558,000	.0150	
(8)	Bulk-Billed Message Bill Processing Service per Message	.0200	
(9)	MTS/WATS/800/877/888 Service Bill Rendering Service per Bill		
	0 to 187,200	.3500	
	187,201 to 270,400	.3000	
	270,401 to 1,164,999	.2700	
	1,165,000 to 1,248,000	.2500	
	Greater than 1,248,000	.2300	
(10)	MTS/WATS/800/877/888 Services Message Investigation, per Message	2.50	
(11)	Online Bill Pay Per Message	.0634	(T)
	Inquiry Service, per Message	.0078	
	Adjustment, per Message	2.00	
(12)	Fundamental Billing, Per Message Messages Per End User Account Per Month		(T)
	1- 10 Messages	.0310	
	Greater than 10 Messages	.0190	
(13)	EC Memo, per Account	10.00	
(14)	Record Keeping, per Account	.0300	
(15)	Centralized Message Dispersion charge, per message	.002	

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17. ANCILLARY SERVICES (Continued)

17.1 General (Continued)

17.1.5 Rates and Charges (Continued)

(B) In accordance with 17.1.2(C)(1)(b), the rates and charges will be developed on an individual case basis and listed below.

(Reserved for Future Use)

(C) In accordance with 17.1.2(C)(2)(c), the rates and charges will be developed on an individual case basis and listed below.

(Reserved for Future Use)

VERIZON SOUTH INC.
d/b/a Verizon North Carolina

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Durham, North Carolina

18. ADVANCED COMMUNICATIONS NETWORKS

18.1 Asynchronous Transfer Mode (ATM)

Verizon South Inc. d/b/a Verizon North Carolina concurs in the rates and regulations for Asynchronous Transfer Mode (ATM) service as filed by Verizon South Inc. in its General Customer Services Tariff, Section S22 and to amendments authorized by the North Carolina Utilities Commission or applicable law.

(N)
|
(N)

ACCESS SERVICE TARIFF - NCUC No. 1

CONTEL OF NORTH CAROLINA, INC.
d/b/a GTE (North Carolina)
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Durham, North Carolina

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19. RESERVED FOR FUTURE USE

(N)

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20. RESERVED FOR FUTURE USE

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 Durham, North Carolina

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21. INTRALATA TOLL ORIGINATING RESPONSIBILITY PLAN (ITORP) (N)

21.1 General (N)

Except as noted in Section 21.2, GTE concurs in the rates, charges, and regulations of the IntraLATA Toll Originating Responsibility Plan (ITORP) as filed by Southern Bell Telephone and Telegraph Company in Section I21 of the Industry Access Service Tariff. Section I21 sets forth the requirements and applicable charges for the Local Exchange Companies that participate jointly in the provisioning of intrastate intraLATA switched toll services, Interexchange Foreign Exchange Services and interexchange intraLATA Private Line Service. (N)

21.2 Rates and Charges (N)

(A) Access Compensation Rates (N)

In lieu of the local transport rates and regulations referred to in Section I21.2.2.A. of the Industry Access Service Tariff and specified in Sections 6.6.1 and 6.5.2, the following rates and regulations apply for local transport functions. (N)

For other applicable traffic sensitive and non-traffic sensitive access charges, refer to the appropriate sections for the intrastate switched access charges specified in this Tariff. (N)

(1) Local Transport Functions (N)

The Local Transport function is traffic sensitive and two rate elements, Circuit Connection and Mileage, may apply. (N)

(a) The Circuit Connection rate element is non-distance sensitive and is applied at each Telephone Company end office switch on a per access minute basis. (N)

(b) The Mileage rate element is charged on a per mile, per minute basis. For purposes of determining Local Transport mileage, distance will be measured from the wire center that serves the customer's premises to the end office switch. The V&H coordinates method is used to determine mileage. This method is set forth in the Exchange Carrier Associated Tariff FCC No. 4 for Wire Center Information. (N)

(2) Local Transport Rates (N)

	<u>Rates Per</u>	
	<u>Minute of Use</u>	
(a) Circuit Connection, per access minute	\$.00775	(N)
(b) Mileage, per mile, per access minute	.00008	(N)

VERIZON SOUTH INC.
d/b/a Verizon North Carolina

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Durham, North Carolina

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22. RESERVED FOR FUTURE USE.

(C)

(D)

(D)

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(D)

(D)

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(C)

(D)

(D)

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North Carolina (Contel NC)
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100.3 Voice Grade Service.....	2	(N)

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 North Carolina (Contel NC)
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 By: Vice President
 Durham, North Carolina

Section 100
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100. DISCONTINUED SERVICE OFFERINGS

100.1 General

Service offerings listed herein are classified as discontinued and will apply to existing customers only, unless stated otherwise.

Unless otherwise specified in this Section 100, discontinued services are furnished subject to all the rules and regulations of the tariff the same as would be applicable if the service offering were not discontinued.

100.2 Metallic Service

100.2.1 Basic Circuit Description

A Metallic circuit is an unconditioned two-wire circuit capable of transmitting low speed varying signals at rates up to 30 baud. Metallic circuits are provided between customer designated premises or between a customer designated premises and a Telephone Company hub where bridging functions are performed. Interoffice metallic facilities will be limited in length to a total of five miles per circuit.

100.2.2 Technical Specifications Packages

Parameter	Package MT-			
	<u>C</u>	<u>1</u>	<u>2</u>	<u>3</u>
DC Resistance				
Between Conductors	X	X	X	
Loop Resistance	X			X
Shunt Capacitance	X			X

The technical specifications are delineated in Technical Reference PUB 62502.

100.2.3 Channel Interfaces

Compatible channel interfaces are set forth in Section 9.

100.2.4 Optional Features and Functions

(1) Central Office Bridging Capability

- (a) Three Premises Bridging - Provision of tip-to-tip and ring-to-ring connection in a central office of a metallic pair to a third customer premises.
- (b) Series Bridging of up to 26 customer premises.

The following table shows the technical specifications packages with which the optional features and functions are available.

	Available with Technical Specifications Package MT-			
	<u>C</u>	<u>1</u>	<u>2</u>	<u>3</u>
Three Premises Bridging	X	X		X
Series Bridging	X		X	

(M) Material transferred from Section 7, Page 23.

(N)

(N)

(T) (M)

(T)

(T)

(T)

(T)

(T)

(M)

(N)

ACCESS SERVICE TARIFF - NCUC No. 1

GTE SOUTH INCORPORATED
 North Carolina (Contel NC)
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100. DISCONTINUED SERVICE OFFERINGS

100.2	<u>Metallic Service (Continued)</u>				(M)
100.2.5	<u>Rates and Charges</u>				(T)
(A)	Circuit Termination	Monthly <u>Rate</u>	Nonrecurring <u>Charge</u>		
	- Per Point of Termination (USOC - TMECS)	\$39.36	\$369.18		
		Monthly <u>Rate</u> <u>Fixed</u>	Monthly <u>Rate</u> <u>Per Mile</u>		
(B)	Circuit Mileage (USOC - 1L5XX)	\$50.19	\$.91		(T) (M)
100.3	<u>Voice Grade Service</u>				(T) (M) ¹
100.3.1	<u>Optional Features and Functions</u>				(T)
(A)	<u>Central Office Bridging Capability</u>				
(1)	Summation - Active Bridging				(T)
(B)	<u>Signaling Capability</u>				(T)
	Signaling Capability provides for the ability to transmit signals from one customer premises to another customer premises on the same service.				(M) ¹

(M) Material transferred from Section 7, Pages 24 through 26.

(M)¹ Material transferred from Section 7, Pages 36 through 38.

(N)

(N)

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100. DISCONTINUED SERVICE OFFERINGS

100.3	<u>Voice Grade Service</u> (Continued)				(T) (M)
100.3.2	<u>Rates and Charges</u>				(T)
(A)	Central Office Bridging				(T)
		<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	
	Active Bridging - Summation				(T)
	- Per Circuit Connected	BCNSA	\$ 1.37	None	(T)
(B)	Signaling Capability				(T)
	- Per Point of Termination	XSS++	16.51	None	
	- In lieu of ++, substitute appropriate two digit code from following list to specify type of signaling.				
	AB				
	AC				
	CT				
	DX				
	DY				
	EA				
	EB				
	EC				
	EX				
	GO				
	GS				
	LA				
	LB				
	LC				
	LO				
	LR				
	LS				
	RV				
	SF				(M)

(M) Material transferred from Section 7, Pages 43 and 44.

(N)