

**Qwest Corporation  
Services Catalog  
Colorado**

**ACCESS SERVICE**  
Effective: 10-20-2000

**PREFACE**  
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In 1995, the Colorado Legislature authorized the Colorado High Cost Fund to ensure that all customers in Colorado have access to affordable basic telephone service in a competitive market.

In compliance with the intent of the legislation, the Colorado Public Utilities Commission established the new surcharge to support the High Cost Fund in Decision Nos. C96-352, C96-451, C98-198 and C98-543. All customers in Colorado will pay the monthly surcharge, as specified in the Exchange and Network Services Tariff, Preface Sheet 1.

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**TERMS, CONDITIONS, RATES AND CHARGES**

Applying to the provision of Intrastate

**ACCESS SERVICES**

within the operating territory of

Qwest Corporation d/b/a CenturyLink QC

Whether offered under the name, or the trade or brand name CenturyLink (T)

in the State of

**COLORADO**

1801 California Street, Denver, Colorado  
303-664-7039

[www.qwest.com](http://www.qwest.com)

Customer Service Toll Free number: 1 877-440-8959

**ADOPTION NOTICE**

Effective April 1, 2011, Qwest Corporation registered the fictitious name CenturyLink QC. Effective August 8, 2011, Qwest Corporation began operating under the name CenturyLink QC. As such, Qwest Corporation d/b/a CenturyLink QC hereby adopts, ratifies and makes its own, in every respect as if the same had been originally filed by it, all schedules, rules, notices, concurrences, schedule agreements, divisions, authorities or other instruments whatsoever, filed with the Colorado Public Utility Commission, State of Colorado, by or adopted by Qwest Corporation.

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

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**1. APPLICATION AND REFERENCE**

**1.1 APPLICATION OF CATALOG**

This Catalog contains regulations, terms, conditions, rates and charges applicable to the provision of Carrier Common Line, Switched Access Service, Expanded Interconnection-Collocation (EIC) Service and other miscellaneous services, hereinafter referred to collectively as service(s), provided by Qwest Corporation d/b/a CenturyLink QC, hereinafter referred to as the Company. The regulated services offered herein by Qwest Corporation d/b/a CenturyLink QC, whether under that name or the trade or brand name CenturyLink, are subject to the terms and conditions of this Catalog.

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These services are provided to Interexchange Carriers and Resellers for their use in the provision of intrastate telecommunications service to others. Specialized arrangements, Individual Case Basis (ICB's) and Additional Engineering, Labor and Miscellaneous Services are provided to Interexchange Carriers, Resellers and End Users.

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

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**1.4 CATALOG FORMAT**

**1.4.1 LOCATION OF MATERIAL**

- A. Section 1 provides the following for all of the sections in this Catalog.
- Table of Contents - a numerical listing to find the desired section and page.
  - Section Index - an alphabetical listing to find the desired section.
- B. Each individual section in the Catalog provides a Subject Index for the material located within that section.
- C. Obsolete Service Offerings

Obsolete service offerings are identified in the Catalog by adding 100 to the current section number, i.e., obsolete items from Section 7, Private Line Access Service, would be found in Section 107, Obsolete Private Line Access Service. This section is then filed behind Section 7.

**1.4.2 OUTLINE STRUCTURE**

The Catalog uses nine levels of indentations known as Tariff Information Management (TIM) Codes, as outlined below:

<b>LEVEL</b>	<b>APPLICATION</b>	<b>EXAMPLE</b>
1	Section Heading	<b>1. APPLICATION AND REFERENCE</b>
2	Sub Heading	<b>1.4 CATALOG FORMAT</b>
3	Sub Heading	<b>1.4.1 LOCATION OF MATERIAL</b>
4	Sub Heading/Text	A. Text
5	Sub Heading/Text	1. Text
6	Sub Heading/Text	a. Text
7	Sub Heading/Text	(1) Text
8	Sub Heading/Text	(a) Text
9	Footnotes	[1] Text

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**1.4.3 RATE TABLES**

Within rate tables, four types of entries are allowed:

- Rate Amount

The rate amount indicates the dollar value associated with the service.

- A dash "-"

The dash indicates that there is no rate for the service or that a rate amount is not applicable under the specific column header.

- A footnote designator "[1]"

The footnote designator indicates that further information is contained in a footnote.

- ICB

The acronym "ICB" indicates that the product/service is rated on an individual case basis.

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**1.5 EXPLANATION OF CHANGE SYMBOLS**

<b>SYMBOL</b>	<b>EXPLANATION</b>
(C)	To signify changed term or condition
(D)	To signify discontinued material
(I)	To signify rate increase
(M)	To signify material moved from or to another part of the Catalog with no change, unless there is another change symbol present
(N)	To signify new material
(R)	To signify rate reduction
(T)	To signify a change in text but no change in rate, term or condition

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**1. APPLICATION AND REFERENCE**

**1.6 EXPLANATION OF ABBREVIATIONS**

ac	-	Alternating current
ACAT	-	Additional Cooperative Testing
ADV	-	Account Data Verification
AFB	-	Air Force Base
AIOD	-	Automatic Identification of Outward Dialing
AMA	-	Automatic Message Accounting
AML	-	Actual Measured Loss
ANI	-	Automatic Number Identification
AST	-	Automatic Scheduled Testing
AT&T	-	American Telephone and Telegraph Company
BD	-	Business Day
BHMC	-	Busy Hour Minutes of Capacity
Blvd.	-	Boulevard
bps	-	Bits per second
CAROT	-	Centralized Automatic Reporting on Trunks
CCITT	-	The International Telegraph and Telephone Consultative Committee
CCSA	-	Common Control Switching Arrangement
CI	-	Channel Interface
CNCC	-	Customer Network Control Center
Co.	-	Company
CO	-	Central Office
COCS	-	Customer Operating Center Service
COCTX	-	Central Office Centrex
Cont'd	-	Continued
cps	-	Cycles per second
CST	-	Cooperative Scheduled Testing
Ctx	-	Centrex
dB	-	Decibel
dBrnC	-	Decibel Reference Noise C-Message Weighting
dBrnC0	-	Decibel Reference Noise C-Message Weighted 0
dBv	-	Decibel(s) Relative to 1 Volt (Reference)

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**1.6 EXPLANATION OF ABBREVIATIONS (Cont'd)**

dBvl	-	Decibel(s) Relating to 1 Volt (Reference)
dc	-	Direct current
D.C.	-	District of Columbia
DID	-	Direct-Inward-Dialing Service
DLR	-	Design Layout Report
E.	-	East
EDD	-	Envelope Delay Distortion
e.g.	-	For example
EIA	-	Electronics Industry Association
ELEPL	-	Equal Level Echo Path Loss
EML	-	Expected Measured Loss
EPL	-	Echo Path Loss
EPSCS	-	Enhanced Private Switched Communication Service
ERL	-	Echo Return Loss
ESS	-	Electronic Switching System
etc.	-	Etcetera
f	-	Frequency
F.C.C.	-	Federal Communications Commission
Ft.	-	Feet
GPR	-	Ground Potential Rise
H	-	Horizontal
HC	-	High Capacity
Hz	-	Hertz
IC	-	Interexchange Carrier
ICB	-	Individual Case Basis
ICL	-	Inserted Connection Loss
i.e.	-	That is
I.M.	-	Interdepartmental Manual
Inc.	-	Incorporated
Int. Bdry	-	International Boundary
Intelsat	-	International Telecommunications Satellite Organization
IP	-	Interconnection Point
kbit/s	-	Kilobits per second
kHz	-	Kilohertz
LATA	-	Local Access and Transport Area
LPIC	-	Local Primary Interexchange Carrier
Ma	-	Milliamperes
Mbps	-	Megabits per second
mcs	-	Microseconds
MHz	-	Megahertz
MLD	-	Managed Long Distance
MRC	-	Monthly Recurring Charge

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**1.6 EXPLANATION OF ABBREVIATIONS (Cont'd)**

MST	-	Manual Scheduled Testing
N.	-	North
NA	-	Not Applicable
NB	-	Narrowband
No.	-	Number
NPA	-	Numbering Plan Area
NRC	-	Nonrecurring Charge
NST	-	Nonscheduled Testing
OCC	-	Other Common Carrier
OTPL	-	Zero Transmission Level Point
PCA	-	Protective Connecting Arrangement
PCM	-	Pulse Code Modulation
PIC	-	Primary Interexchange Carrier
PL	-	Private Line
PLAR	-	Private Line Automatic Ringdown
P.O.	-	Post Office
POT	-	Point of Termination
rms	-	root-mean-square
RR	-	Reference Rated
S.	-	South
SCU	-	Selector Control Unit
SRL	-	Singing Return Loss
SSN	-	Switched Service Network
SWC	-	Serving Wire Center
TCSI	-	Transaction codes/status indicators
TES	-	Telephone Exchange Service(s)
TIM	-	Tariff Information Management
TLP	-	Transmission Level Point
TSP	-	Telecommunications Service Priority
U.S.	-	United States
USAC	-	Universal Special Assembly Code
USASCII	-	U.S. American Standard Code For Information Interexchange
V	-	Vertical
VG/D	-	Voice Grade Data
V & H	-	Vertical & Horizontal
W.	-	West
WD	-	Wideband Data
WPM	-	Words-per-minute

(D)

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(C)

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**1. APPLICATION AND REFERENCE**

**1.7 TRADEMARKS, SERVICE MARKS AND TRADE NAMES**

Trade names, trademarks and/or service marks which may be used for services offered in this Catalog are owned by CenturyLink, Inc. or a subsidiary of CenturyLink, Inc. and are used by the Company with express permission. Trademark and service mark designations will not be listed hereafter in the Catalog. However, the laws regarding trademarks and service marks are applicable.

(N)

Trade names, trademarks and service marks that are owned by CenturyLink, Inc. or subsidiary of CenturyLink, Inc. cannot be used by another party without authorization.

CENTURYLINK  
CENTURYLINK™  
CENTURYLINK<sup>SM</sup>

(N)

Additional marks are identified in the text throughout this document in all caps and italics, unless trademarked as all lower case letters. Service names which are preceded by *QWEST*® or "*Qwest*," and services which include "*Qwest*" as part of the service marked or trademarked product name, may also be marketed and/or billed under the trade or brand name *CenturyLink*, or may be marketed and/or billed without any trade or brand name. A mark identified in the text of this document is in all caps and italics:

(C)

(C)

**MARK**

DATAPHONE®

(C)

**1.8 REFERENCE TO OTHER CATALOGS AND TARIFFS**

Whenever reference is made in this Catalog to other Catalogs and Tariffs, the reference is to the Catalogs and Tariffs in force as of the effective date of this Catalog, and to amendments thereto and successive issues thereof.



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**1. APPLICATION AND REFERENCE**

**1.9 REFERENCE TO TECHNICAL PUBLICATIONS**

- A. All service(s) offered in this document must conform to the transmission specification standards contained in this document or in the following Technical References.
- B. The following technical publications may be obtained from Bell Communications Research, Inc., Customer Services, 60 New England Ave., Room 1B252, Piscataway, NJ 08854-4196:

<b>TITLE</b>	<b>PUBLICATION NUMBER</b>
Transport Systems Generic Requirements (TSGR) Issued: 1992 Edition	FR-NWT-000440
Ordering and Billing Forum-Multiple Exchange Carrier Access Billing (MECAB) Issued: November, 1987	SR-ILB-000983
Industry Support Interface (ISI): General Overview Issued: July, 1989	SR-STS-000284
Ordering and Billing Forum-Multiple Exchange Carrier Ordering and Design Guidelines (MECOD) Issued: March, 1988	SR-TAP-000984
Telecommunications Transmission Engineering Textbook-Volume 3: Network and Services, Third Edition Issue: August, 1989	ST-TEC-000053
High Capacity Digital Special Access Service - Transmission Parameter Limits and Interface Combinations Issued: February, 1991	TR-INS-000342

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**1.9 REFERENCE TO TECHNICAL PUBLICATIONS**

B. (Cont'd)

<b>TITLE</b>	<b>PUBLICATION NUMBER</b>
Secondary Channel in the Digital Data System: Channel Interface Requirements Issued: April, 1986	TR-NPL-000157
Metallic and Telegraph Grade Special Access Service Transmission Parameter Limits and Interface Combinations Issued: October, 1987	TR-NPL-000336
Program Audio Special Access and Local Channel Services Issued: July, 1987	TR-NPL-000337
Digital Data Special Access Service-Transmission Parameters and Interface Combinations Issued: March, 1989	TR-NPL-000341
IntraLATA Voice Grade Private Line Service- Transmission Parameter Limits and Interface Combinations Issued: December, 1991	TR-NWT-000965
Asynchronous Digital Multiplexers Requirements and Objectives Issued: May, 1986	TR-TSY-000009
Voice Grade Special Access Service - Transmission Parameter Limits and Interface Combinations Issued: May, 1990	TR-TSY-000335

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

- C. The following Company Technical publications may be obtained from Faison Office Products Company, Customer Services, 3251 Revere Street, Suite 200, Aurora, CO 80011:

<b>TITLE</b>	<b>PUBLICATION NUMBER</b>
U S WEST Digital Data Service Product Description, Application and Interface Combinations Issued: November, 1994	77204
Voice Grade Special Service - Basic Voice - Transmission Parameters Limits and Interface Combinations Issued: December, 1988	77309
Qwest Corporation Technical Publication Analog Channels for Non-Access Issued: March, 1993	77311
U S WEST Digital Data Service, Technical Description Issued: October, 1994	77312
Qwest Corporation Technical Publication Low-Speed Data Channels Interface Specifications and Combinations Issued: March, 1991	77313
Qwest Corporation Private Line Services Issued: October, 1989	77320
Special High Voltage Protection Issued: June, 1988	77321

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**1.9 REFERENCE TO TECHNICAL PUBLICATIONS**

C. (Cont'd)

<b>TITLE</b>	<b>PUBLICATION NUMBER</b>
Simultaneous Voice and Data Service (SVDS), (Digital Data Over Voice Technology) Digital Access Arrangements, Network Interface Specifications Issued: December, 1992	77331
Qwest Corporation Diversity and Avoidance Issued: November, 1990	77344
Network Channel and Network Channel Interface Combinations Issued: March, 1989	77365

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**1.10 REFERENCE TO OTHER PUBLICATIONS**

- A. The following publications are available for inspection in the Public Reference room of the Tariff Division at the main building of the Federal Communications Commission located at 1919 M Street N.W., Washington, D.C., and may be obtained from the Federal Communications Commission's commercial contractor:

**TITLE**

CC Docket No. 83-1145, Phase I Memorandum  
Opinion and Order (Including Appendices  
A, B and C)  
Adopted: May 31, 1985  
Released: June 12, 1985

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

CenturyLink Competitive Operating Companies  
Tariff F.C.C. No. 1

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**1. APPLICATION AND REFERENCE**

**1.10 REFERENCE TO OTHER PUBLICATIONS (Cont'd)**

- B. The following publication may be obtained by contacting the Company Account Representative:

**TITLE**

Qwest Corporation Service Interval Guide  
Issued: November, 1988

- C. The following publications may be obtained through the Government Printing Office, Superintendent of Documents, Document Control Branch, 941 N. Capitol St. N.E., Washington, D.C. 20401:

**TITLE**

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

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

Code of Federal Regulations, Title 47

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**2. GENERAL REGULATIONS**

**2.1 UNDERTAKING OF THE COMPANY**

**2.1.1 SCOPE**

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

**2.1.2 LIMITATIONS**

- A. The customer may not assign or transfer the use of services provided in this Catalog; 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**

**2.1 UNDERTAKING OF THE COMPANY**

**2.1.2 LIMITATIONS (Cont'd)**

- B. In all cases of assignment or transfer, the written acknowledgment of the Company is required prior to such assignment or transfer which acknowledgment shall be made within 15 days from the receipt of notification. All regulations, terms and conditions contained in this Catalog shall apply to such assignee or transferee.
- C. The assignment or transfer of services does not relieve or discharge the assignor or transferor from remaining jointly or severally liable with the assignee or transferee for any obligations existing at the time of the assignment or transfer.
- D. The installation and restoration of services shall be subject to the terms and conditions set forth in Section 12 of the Access Service Tariff concerning the Telecommunications Service Priority (TSP) System.
- E. Subject to compliance with the rules mentioned in D., preceding, the services offered herein will be provided to customers on a first-come, first-served basis.
- F. The provision or continuation of Private Line Access Service may be limited in order to comply with orders issued under wartime authority of the President of the United States.

**2.1.3 LIABILITY**

- A. The Company's liability, if any, for its willful misconduct is not limited by this Catalog. With respect to any other claim or suit, by a customer or by any others, for damages associated with the installation, provision, preemption, termination, maintenance, repair or restoration of service, and subject to the provisions of B. through G., following, the 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 in this Catalog as a Credit Allowance for a Service Interruption.
- B. The Company shall not be liable for any act or omission of any customer providing a portion of a service, nor shall the Company for its own act or omission hold liable any customer providing a portion of a service.

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**2. GENERAL REGULATIONS**

**2.1 UNDERTAKING OF THE COMPANY**

**2.1.2 LIABILITY (Cont'd)**

- C. The 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 Company's negligence.
- D. The Company shall be indemnified, defended and held harmless by the customer against any claim, loss or damage arising from the customer's use of services offered in this Catalog, involving:
  - 1. Claims for libel, slander, invasion of privacy, or infringement of copyright arising from the customer's own communications;
  - 2. Claims for patent infringement arising from the customer's acts combining or using the service furnished by the Company in connection with facilities or equipment furnished by the customer or;
  - 3. All other claims arising out of any act or omission of the customer in the course of using services provided pursuant to this Catalog.
- E. The Company does not guarantee or make any warranty with respect to its services when used in an explosive atmosphere. The Company shall be indemnified, defended and held harmless by the customer from any and all claims by any person relating to such customer's use of services so provided.
- F. No license under patents (other than the limited license to use) is granted by the Company or shall be implied or arise by estoppel, with respect to any service offered under this Catalog. The Company will defend the customer against claims of patent infringement arising solely from the use by the customer of services offered in this Catalog and will indemnify such customer for any damages awarded based solely on such claims.
- G. The Company's failure to provide or maintain services under this Catalog shall be excused by labor difficulties, governmental orders, civil commotions, criminal actions taken against the Company, acts of God and other circumstances beyond the Company's reasonable control, subject to the Credit Allowance for Service Interruptions as set forth in 2.4.5, following.

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**2. GENERAL REGULATIONS**

**2.1 UNDERTAKING OF THE COMPANY (Cont'd)**

**2.1.4 PROVISION OF SERVICES**

- A. The Company, to the extent that such services are or can be made available with reasonable effort, and after provision has been made for the Company's telephone exchange services, will provide to the customer upon reasonable notice services offered in other applicable sections of this Catalog at rates and charges specified therein.
  
- B. On a given private line, all the facilities shall be provided by the Company or by the Company and the connecting companies. The customer, or an authorized user, will provide his own terminal equipment or communications systems for use with such service.

**2.1.5 INSTALLATION AND TERMINATION OF SERVICES**

The Access Services provided under this Catalog (A) includes Company communication facilities up to the Demarcation Point as defined in Section 68.3 of the F.C.C.'s Rules and Regulations and (B) will be installed by the Company to such Point of Termination (POT). Any customer requested work past the POT will be furnished on a time and material basis.

The services provided under this Catalog shall be maintained by the Company. The customer or others may not rearrange, move, disconnect, remove or attempt to repair any facilities provided by the Company, other than by connection or disconnection to any POT used, except with the written consent of the Company.

**2.1.6 MAINTAINING OF SERVICES**

The services provided in this Catalog shall be maintained by the Company. The customer or others may not rearrange, move, disconnect, remove or attempt to repair any facilities provided by the Company, other than by connection or disconnection to any POT used, except with the written consent of the Company.

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**2. GENERAL REGULATIONS**

**2.1 UNDERTAKING OF THE COMPANY (Cont'd)**

**2.1.7 CHANGES AND SUBSTITUTIONS**

Except as provided for equipment and systems subject to F.C.C.'s Part 68 Regulations at 47 C.F.R. Section 68.110(b), the 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 in this Catalog, including but not limited to, (1) substitution of different metallic facilities, (2) substitution of carrier or derived facilities for metallic facilities used to provide other than metallic facilities and (3) substitution of metallic facilities for carrier or derived facilities used to provide other than metallic facilities, (B) change minimum protection criteria, (C) change operating or maintenance characteristics of facilities or (D) change operations or procedures of the Company. In case of any such substitution, change or rearrangement, the Performance Characteristics will be within the range as set forth in this Catalog and associated Technical Publications. The 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 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 Company will work cooperatively with the customer to determine the reasonable notification requirements.

**2.1.8 REFUSAL AND DISCONTINUANCE OF SERVICE**

Provisions for the refusal and discontinuance of service are set forth in 2.4.4, following.

**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 application of dc telegraph signaling systems, the customer shall be responsible, at its expense, for the provision of current limiting devices to protect the Company facilities from excessive current due to abnormal conditions and for the provision of noise mitigation networks when required to reduce excessive noise.

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**2. GENERAL REGULATIONS**

**2.1 UNDERTAKING OF THE COMPANY (Cont'd)**

**2.1.10 NOTIFICATION OF SERVICE-AFFECTING ACTIVITIES**

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

**2.1.11 COORDINATION WITH RESPECT TO NETWORK CONTINGENCIES**

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

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**2. GENERAL REGULATIONS**

**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 Company and associated with the facilities utilized to provide services in this Catalog shall not interfere with or impair service over any facilities of the 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 F.C.C.'s 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 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 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 2.4.5, following, is not applicable.

**2.2.2 UNLAWFUL USE**

The services provided in this Catalog shall not be used for any unlawful purpose.

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**2. GENERAL REGULATIONS**

**2.3 OBLIGATIONS OF THE CUSTOMER**

**2.3.1 DAMAGES**

The customer shall reimburse the Company for damages to Company facilities utilized to provide services in this Catalog caused by the negligence or willful act of the customer, or resulting from the customer's improper use of the Company facilities, or due to malfunction of any facilities or equipment provided by other than the Company. Nothing in the foregoing provision shall be interpreted to hold one customer liable for another customer's actions. The 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 Company for the damages to the extent of such payment.

**2.3.2 OWNERSHIP OF FACILITIES AND THEFT**

Facilities utilized by the Company to provide service under the provisions in this Catalog shall remain the property of the Company. Such facilities shall be returned to the 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 Company, at no charge, equipment space and electrical power required by the Company to provide services in this Catalog at the POT of such services. The selection of ac or dc power shall be mutually agreed to by the customer and the Company. The customer shall also make necessary arrangements in order that the Company will have access to such spaces at reasonable times for installing, testing, repairing or removing Company services.

**2.3.4 AVAILABILITY FOR TESTING**

The services provided in this Catalog shall be available to the Company at times mutually agreed upon in order to permit the 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.



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**2. GENERAL REGULATIONS**

**2.3 OBLIGATIONS OF THE CUSTOMER (Cont'd)**

**2.3.5 BALANCE**

All signals for transmission over the services provided in this Catalog 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**

- A. 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 Company, minimum protection criteria or operating or maintenance characteristics of the facilities.
- B. Services entering high voltage environments require special high voltage protection equipment. Prior to ordering any services entering this type of environment, refer to 12.3.6, following.

**2.3.7 REFERENCES TO THE COMPANY**

The IC may advise their end users that certain services are provided by the Company in connection with the service the IC furnishes to their end users; however, the IC shall not represent that the Company jointly participates in these services.

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**2. GENERAL REGULATIONS**

**2.3 OBLIGATIONS OF THE CUSTOMER (Cont'd)**

**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 Company from and against all claims arising out of the combining with, or use in connection with, the services provided in this Catalog, any circuit, apparatus, system or method provided by the customer.
  
- B. The customer shall defend, indemnify and save harmless the Company from and against any suits, claims, losses or damages including punitive damages, attorney fees and court costs by third persons arising out of the construction, installation, operation, maintenance, or removal of the customer's circuits, facilities, or equipment connected to the Company's services provided in this Catalog, 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 in this Catalog; provided, however, the foregoing indemnification shall not apply to suits, claims, and demands to recover damages for damage to property, death, or personal injury unless such suits, claims or demands are based on the tortious conduct of the customer, its officers, agents or employees.
  
- C. The customer shall defend, indemnify and save harmless the Company from and against any suits, claims, losses or damages, including punitive damages, attorney fees and court costs by the customer or third parties arising out of any act or omission of the customer in the course of using services provided in this Catalog.

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**2. GENERAL REGULATIONS**

**2.3 OBLIGATIONS OF THE CUSTOMER (Cont'd)**

**2.3.9 COORDINATION WITH RESPECT TO NETWORK CONTINGENCIES**

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

**2.3.10 DETERMINATION OF INTRASTATE CHARGES FOR MIXED INTERSTATE AND INTRASTATE ACCESS SERVICE**

When mixed interstate and intrastate Access Service is provided, all charges (i.e., nonrecurring and monthly) including optional features charges, will be prorated between interstate and intrastate. The percentage provided by the customer will serve as the basis for prorating the charges. The percentage of an Access Service to be charged as intrastate is applied in the following manner:

- A. For monthly and nonrecurring chargeable rate elements, multiply the percent intrastate use times the quantity of chargeable elements times the stated rate per element.

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**2. GENERAL REGULATIONS**

**2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES**

**2.4.1 PAYMENT OF RATES, CHARGES AND DEPOSITS**

A. Deposits

1. The Company may, in order to safeguard its interests, require an applicant to make a suitable deposit to be held by the Company as a guarantee of the payment of charges.
2. For Access Service, a deposit will be required under the following conditions:
  - a. Applicant has had no previous Access Service; or
  - b. Applicant does not have verifiable credit with any Qwest Corporation Company anywhere within the region in the same or similar business; or
  - c. Applicant has had previous verifiable Access Service with any Qwest Corporation Company anywhere within the region but has an outstanding and unpaid bill for Access Service; or has not established satisfactory credit. Satisfactory credit for an Access Service customer is defined as twelve consecutive months of service without a suspension of service for nonpayment or with no more than one notification of intent to suspend service for nonpayment.
  - d. Applicant for nonresidential service will be given credit for previous nonresidential service only if the applicant is same business entity to which such service was previously accorded.

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**2. GENERAL REGULATIONS**

**2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES**

**2.4.1 PAYMENT OF RATES, CHARGES AND DEPOSITS**

A. Deposits (Cont'd)

3. An initial deposit or an additional deposit will be required of an existing customer when high risk is indicated and existing security is insufficient. Such requirement will be imposed when payment history includes a suspension of service for nonpayment, or includes more than one notification of intention to suspend service for nonpayment during the previous twelve month period.
4. The Company reserves the right to provide for installment payment of the deposit if the circumstances warrant.
5. Any deposit required of an existing customer is due and payable within ten days after the requirement is imposed. This requirement shall be in writing and the payment date shall be on or after the due and payable date for the current bill. If said deposit or installment thereof, as appropriate, is not paid within the aforementioned time frame, the Company may suspend service of the customer without further notice. The following are exceptions to this provision:
  - a. In the event service is suspended for a customer for nonpayment, an initial or additional deposit shall be required prior to the restoration of service if existing security is insufficient.
  - b. In the event prior indebtedness or prior unsatisfactory credit has been determined subsequent to the initial establishment of service due to misrepresentation of the facts by the customer, a deposit shall be due and payable within five days upon verbal notification and written confirmation or within ten days when notification can only be provided in writing. The ten day period shall be measured from the mailed date of the written notice. If said deposit is not paid within the aforementioned time frame, the Company may suspend service to the customer without further notice.
6. The amount of the deposit shall be the estimated charges for the Access Service which will accrue for a 2-month period. All applicants and existing customers shall be treated uniformly for the determination and application of deposits.

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**2. GENERAL REGULATIONS**

**2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES**

**2.4.1 PAYMENT OF RATES, CHARGES AND DEPOSITS**

A. Deposits (Cont'd)

7. When it is determined that a deposit is required under the conditions specified above, the applicant or customer may, in lieu of or in addition to making the deposit, arrange for an acceptable third party to guarantee payment of his charges by executing on his behalf a Guarantee of Payment Agreement with the Company. An acceptable third party guarantor for Access Service is a current nonresidential customer with at least two years' continuous service, whose payment history for the most recent twelve month period is satisfactory.
8. The fact that a deposit has been made in no way relieves the customer from complying with the Company's regulations as to advance payments as set forth in 2.4.1.B., following, or the prompt payment of bills on presentation.
9. The deposit will bear simple interest computed from the date of its receipt by the Company to the date the deposit is refunded, or service is terminated, or annually upon request of the customer. In the event that a deposit is retained during time periods having different rates of interest, the interest accrued on the deposit will be calculated using the interest rate applicable to each time period.
10. The rates of interest paid will be established annually by the Public Utilities Commission of the State of Colorado, per Rule 11(a) of the Rules Regulating the Service of Telephone Utilities.
11. Applicable interest rates paid shall be as set forth in the Exchange and Network Services Tariff.
12. When the customer is a candidate for political office or is a person or organization acting on behalf of a candidate for political office the deposit requirement will be adjusted monthly to reflect twice the current month's actual billing. Under these circumstances, a security, i.e., surety bond or bank letter of credit equal to the Company's deposit requirement will be the only acceptable substitutes for a cash deposit.

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**2. GENERAL REGULATIONS**

**2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES**

**2.4.1 PAYMENT OF RATES, CHARGES AND DEPOSITS**

A. Deposits (Cont'd)

13. When the service is terminated, the amount of the initial or additional deposit, with any interest due, will be credited to the customer's account and any credit balance which may remain will be refunded. After an existing customer has established satisfactory credit, the amount of the deposit, with any interest due, will be either credited to the account or at the option of the customer, refunded. Satisfactory credit for an Access Service customer is defined as twelve consecutive months of Access Service without a suspension for nonpayment and with no more than one notification of intent to suspend service for nonpayment.

B. Advance Payments

1. In accordance with the Company's practice of requiring that all regularly recurring charges for services be paid monthly in advance, an applicant for service may be required to pay in advance at the time application for service is made, the nonrecurring charges applicable, together with at least one month's charges for the services applied for, and where necessary, in the opinion of the Company, the estimated amount of construction charges.
2. The amount of the advance payment will be credited to the customer's account and applied to any indebtedness under the contract for service furnished, and for nonrecurring charges.

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

1. The 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. Payment for such bills is due as set forth in 2., following. If payment is not received by the payment due date, as set forth in 2., following, in immediately available funds, a late payment penalty will apply as set forth in 2., following.

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**2. GENERAL REGULATIONS**

**2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES**

**2.4.1 PAYMENT OF RATES, CHARGES AND DEPOSITS**

C. (Cont'd)

2. All bills dated as set forth in 1., preceding, for service, provided to the customer by the Company are due 31 days (payment due date) after the bill day or by the next bill day (i.e., same date in the following month as the bill date), whichever is the shortest interval, except as provided herein, and are payable in immediately available funds. If such payment due 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, Veteran's Day and a day when Washington's Birthday, Memorial Day or Columbus Day is legally observed), payment for such bills will be due from the customer as follows:
  - If such payment due date falls on a Sunday or on a Holiday which is observed on a Monday, the payment due date shall be the first non-Holiday day following such Sunday or Holiday. If such payment due date falls on a Saturday or on a Holiday which is observed on Tuesday, Wednesday, Thursday or Friday, the payment due date shall be the last non-Holiday day preceding such Saturday or Holiday.
- a. If any portion of the payment is received by the Company after the payment due date as set forth in 2., preceding, or if any portion of the payment is received by the Company in funds which are not immediately available to the Company, then a late payment penalty shall be due to the Company. The late payment penalty shall be the portion of the payment not received by the payment due date times a late factor. The late factor shall be the lesser of:
  - The highest interest rate (in decimal value) which may be levied by law for commercial transactions, compounded daily for the number of days from the payment due date to and including the date that the customer actually makes the payment to the Company, or
  - 0.000590 per day, compounded daily for the number of days from the payment due date to and including the date that the customer actually makes the payment to the Company.



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## **2. GENERAL REGULATIONS**

### **2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES**

#### **2.4.1 PAYMENT OF RATES, CHARGES AND DEPOSITS**

C.2. (Cont'd)

- b. In the event of a billing dispute, the customer must submit a documented claim for the disputed amount. If the claim is submitted within 90 days of the payment due date, any interest credits due the customer upon resolution of the dispute shall be calculated from the bill payment date. If the customer submits a claim for the disputed amount more than 90 days from the payment due date, any interest credits due the customer upon resolution of the dispute shall be calculated from the later of the date the claim was submitted, or the bill payment date. Any undisputed amounts withheld by the customer in conjunction with disputed amounts withheld, shall be subject to the late payment penalty, as set forth in a., preceding. The Company will resolve the dispute and assess interest credits or penalties to the customer as follows:
- If the dispute is resolved in favor of the Company and the customer has paid the disputed amount on or before the payment due date, no interest credits or penalties will apply.
  - If the dispute is resolved in favor of the Company and the customer has withheld the disputed amount, any payments withheld pending settlement of the dispute shall be subject to the late payment penalty as set forth in a. preceding.
  - If the dispute is resolved in favor of the customer and the customer has withheld the disputed amount, no interest credits or penalties will apply.

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**2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES**

**2.4.1 PAYMENT OF RATES, CHARGES AND DEPOSITS**

C.2.b. (Cont'd)

- If the dispute is resolved in favor of the customer and the customer has paid the disputed amount, the customer will receive an interest credit from the Company for the disputed amount times a late factor. The late factor shall be the lesser of:
  - The highest interest rate (in decimal value) which may be levied by law for commercial transactions, compounded daily for the number of days from the date when payment was made or credit claimed in accordance with b., preceding, to and including the payment due date (as set forth in C.2.a., preceding) of the bill that reflects the credit for the disputed amount. In the event that the Company agrees to refund a credit by check or wire transfer, interest will be applied up to and including the date of issuance for either the check or wire transfer.
  - 0.000407 per day, compounded daily for the number of days from the date when payment was made or credit claimed in accordance with b., preceding, to and including the payment due date (as set forth in C.2.a., preceding) of the bill that reflects the credit for the disputed amount. In the event that the Company agrees to refund a credit by check or wire transfer, interest will be applied up to and including the date of issuance for either the check or wire transfer.
- D. 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 Catalog will be prorated to the number of days or major fraction of days based on a 30 day month. The Company will, upon request and if available, furnish such detailed information as may reasonably be required for verification of any bill.
- E. When a rate as set forth in this Catalog is shown to have 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**

**2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES (Cont'd)**

**2.4.2 MINIMUM PERIODS**

- A. The minimum period for which services are provided and for which rates and charges are applicable is one month, unless otherwise specified in this Catalog or in specific service agreements.
- B. The minimum period for which service is provided and for which rates and charges are applicable for a Specialized Service or Arrangements provided on an individual case basis as set forth in Section 11, following, is one month unless a different minimum period is established with the individual case filing.
- C. 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:
  1. 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.
  2. When a service with a minimum period greater than one month is discontinued prior to the expiration of the minimum period, a termination charge will apply as specified in 2.4.8, following.

**2.4.3 CANCELLATION OF AN ORDER FOR SERVICE**

Provisions for the cancellation of an order for service are set forth in 5.2.2.B. and 5.2.3, following.

**2.4.4 CANCELLATION FOR CAUSE**

- A. The Company, by written notice to the customer, may immediately discontinue the furnishing of Access Service without incurring any liability upon:
  - Nonpayment of any sum due the Company, or
  - A violation of any condition governing the furnishing of service.

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**2. GENERAL REGULATIONS**

**2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES (Cont'd)**

**2.4.5 CREDIT ALLOWANCE FOR SERVICE INTERRUPTIONS**

A. General

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

B. When a Credit Allowance Applies

1. 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 as follows:
  - a. For Private Line Access Service 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 fraction thereof that the interruption continues.

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

- (1) For two-point services, the monthly charge shall be the total of all the monthly rate element charges associated with the service (i.e., Channel Connection, Channel Transmission Parameter(s), Transport Facilities and Optional Features and Functions).
- (2) For multipoint services, the monthly charge shall be only the total of all the monthly rate element charges associated with that portion of the service that is inoperative (i.e., a Channel Connection and Channel Transmission Parameter(s) between the Hub and a customer premises and associated Transport Facilities and Optional Features and Functions).

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**2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES**

**2.4.5 CREDIT ALLOWANCE FOR SERVICE INTERRUPTIONS**

B.1.a. (Cont'd)

(3) For multiplexed services, the monthly charge shall be the total of all the monthly rate element charges associated with that portion of the service that is inoperative. When the facility which is multiplexed or the multiplexer itself is inoperative, the monthly charge shall be the total of all the monthly rate element charges associated with the service (i.e., the Channel Connection to the Hub and its associated Channel Transmission Parameter(s), Transport Facilities and Optional Features and Functions, including the multiplexer, and the Channel Connection from the Hub and their associated Channel Transmission Parameter(s), Transport Facilities and Optional Features and Functions). When the service which rides a channel of the multiplexed facility is inoperative, the monthly charge shall be the total of all the monthly rate element charges associated with that portion of the service from the Hub to a customer premises (i.e., Channel Connection, Channel Transmission Parameter(s), Transport Facilities and Optional Features and Functions).

2. The credit allowance(s) for an interruption or for a series of interruptions shall not exceed (a) the assumed minutes of use charge or (b) the minimum monthly usage charge for the service interrupted in any one monthly billing period.
3. For Digital Service, any period during which the error performance is below that specified for the service in the appropriate Technical Publication will be considered as an interruption.
4. Service interruptions for Specialized Service or Arrangements provided under the provisions of Section 11, following, shall be administered in the same manner as those set forth in 2.4.5 unless other terms and conditions are specified with the individual case filing.

C. When a Credit Allowance Does Not Apply

No credit allowance will be made for:

1. Interruptions caused by the negligence of the customer.
2. Interruptions of a service due to the failure of equipment or systems provided by the customer or others.

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**2. GENERAL REGULATIONS**

**2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES**

**2.4.5 CREDIT ALLOWANCE FOR SERVICE INTERRUPTIONS**

**C. When a Credit Allowance Does Not Apply (Cont'd)**

3. Interruptions of a service during any period in which the Company is not afforded access to the premises where the service is terminated.
4. Interruptions of a service when the customer has released that service to the Company for maintenance purposes, to make rearrangements, or for the implementation of an order for a change in the service during the time that was negotiated with the customer prior to the release of that service. Thereafter, a credit allowance as set forth in B., preceding, applies.
5. Interruptions of a service which continue because of the failure of the customer to authorize replacement of any element of special construction, as set forth in 5.1.3 of this Catalog for Special Construction. The period for which no credit allowance is made begins on the seventh day after the customer receives the Company's written notification of the need for such replacement and ends on the day after receipt by the Company of the customer's written authorization for such replacement.
6. Periods when the customer elects not to release the service for testing and/or repair and continues to use it on an impaired basis.
7. Periods of temporary discontinuance as set forth in 2.2.1.B., preceding.
8. An interruption or a group of interruptions, resulting from a common cause, that would amount to an adjustment of less than one dollar.

**D. Use of an Alternative Service Provided by the Company**

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

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**2. GENERAL REGULATIONS**

**2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES**

**2.4.5 CREDIT ALLOWANCE FOR SERVICE INTERRUPTIONS (Cont'd)**

**E. Temporary Surrender of a Service**

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

**2.4.6 REESTABLISHMENT OF SERVICE FOLLOWING FIRE, FLOOD OR OTHER OCCURRENCE**

**A. Nonrecurring Charges Do Not Apply**

Charges do not apply for the reestablishment 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 reestablishment of service begins within 60 days after Company service is available. (The 60 day period may be extended a reasonable period if the renovation of the original location on the premises affected is not practical within the allotted time period).

**B. Nonrecurring Charges Apply**

Nonrecurring charges apply for establishing service at a different location on the same premises or at a different premises pending reestablishment of service at the original location.

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**2. GENERAL REGULATIONS**

**2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES (Cont'd)**

**2.4.7 TITLE OR OWNERSHIP RIGHTS**

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

**2.4.8 TERMINATION LIABILITY/WAIVER POLICY**

All Private Line Access Services provided via service agreements, are subject to the Termination Liability/Waiver Policy, unless otherwise specified.

A. Minimum Billing Level

When services are provided under a fixed-period service agreement, a Minimum Billing Level will be established for use in calculating discontinuance charges. The Minimum Billing Level is 100% of the total monthly rates for the service provided under the customer's service agreement, unless otherwise specified. Partial discontinuance of service will not decrease the Minimum Billing Level.

B. Minimum Service Period

When services are provided under a service agreement, a Minimum Service Period may be established. This would be the period of time that the 100% factor of the Termination Liability Charge would apply.



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## **2. GENERAL REGULATIONS**

### **2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES**

#### **2.4.8 TERMINATION LIABILITY/WAIVER POLICY (Cont'd)**

##### **C. Complete Disconnect**

If the customer chooses to completely discontinue contracted service, at any time during the term of the agreement, a termination charge will apply, unless the customer satisfies the conditions specified in the Waiver Policy. The termination charge is 100% of the Minimum Service Period, if applicable, plus the Minimum Billing Level multiplied by the termination liability percentage specified in the service agreement, for the remaining term of the agreement.

- For example, if the customer discontinues service after 17 months of a 3-year (36 month) agreement, the termination charge will be the Minimum Billing Level for the service multiplied by the termination liability percentage, multiplied by 19 months.
- If the customer discontinues service after 6 months of a 3-year (36 month) agreement, with a 1-year (12 months) Minimum Service Period, the Termination Charge will be 100% of the Minimum Billing Level for the remaining 6 months of the Minimum Service Period, plus the Minimum Billing Level multiplied by the termination liability percentage, multiplied by 24 months.

##### **D. Partial Disconnect**

If the customer discontinues a portion of their contracted service, and that causes the customer's monthly billing level to fall below the Minimum Billing Level of the agreement, a termination charge will apply to the portion of the service agreement that is below the Minimum Billing Level.

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**2. GENERAL REGULATIONS**

**2.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES**

**2.4.8 TERMINATION LIABILITY/WAIVER POLICY (Cont'd)**

E. Waiver Policy

A waiver of the termination charge as set forth in C. and D., preceding, may occur if the customer moves to a different location within the Company territory or migrates to another Company service. When the customer is purchasing these services to offer to third party end users, the end user must be the same for both the old and new service. In the case of a move to a different building, the end user must be the same at the old and new location. In the case of a migration to another Company service or transmission speed, the end user must be the same for the original service and the new service or transmission speed at the current location. A termination charge will be waived when the customer discontinues their contracted service(s), provided all of the following conditions are met:

- The customer signs a new service agreement for any other Company-provided service(s);
- Both the existing and the new service(s) are provided solely by the Company;
- The order to discontinue the existing service(s) and the order to establish the new service(s) are received by the Company at the same time;
- The new service(s) installation must be completed within thirty calendar days of the disconnection of the old service(s), unless the installation delay is caused by the Company;
- The total value of the new service agreement(s), excluding any special construction charges and any other nonrecurring charges, is equal to or greater than 115% of the remaining value of the existing agreement(s);
- A new minimum service period goes into effect when the new service agreement term begins;
- The customer agrees to pay any previously billed, but unpaid recurring, and any outstanding nonrecurring charges. These charges cannot be included as part of the new service agreement;
- All applicable nonrecurring charges will be assessed for the new contracted service(s).

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**2. GENERAL REGULATIONS**

**2.5 CONNECTIONS**

**2.5.1 GENERAL**

Equipment and Systems (i.e., terminal equipment, multiline terminating systems and communications systems) may be connected with Private Line Access Service, furnished by the Company where such connection is made in compliance with CFR 47 Part 68 of the F.C.C.'s Rules and Regulations (commonly known as the F.C.C.'s Registration Program), and in accordance with the provisions specified in Technical Reference Publication AS No. 1 and in 2.1, preceding. Company-provided Protective Connecting Arrangements (PCAs) are offered subject to their availability on a grandfathered basis from 112.4.1.

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## **2. GENERAL REGULATIONS**

### **2.6 DEFINITIONS**

Certain terms used herein are defined as follows:

Acceptance Limit

Denotes the performance level at which a circuit is placed into service.

Attenuation Distortion

Denotes the differences in loss at specified frequencies relative to the loss at 1004 Hz, unless otherwise specified.

Audio Transmission

Denotes speech or music transmission by means of a Music Distribution channel.

Authorized User

Denotes a person, firm, or corporation who is authorized by the customer to be connected to the service of the customer. An authorized user must be specifically named in the application for service and a termination of the service must be located at the authorized user's premises.

Balance (100 Type) Test Line

Denotes an arrangement in an end office which provides for balance and noise testing.

Base Rate Area

Denotes that portion of the exchange area surrounding and including the serving wire center within which urban classes of local service are offered at rates that do not vary with the distance from the serving wire center or exchange rate center.

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## **2. GENERAL REGULATIONS**

### **2.6 DEFINITIONS (Cont'd)**

#### Baud

Denotes a unit of signaling speed. It is the reciprocal of the time duration in seconds of the shortest signal element (mark or space) within a code signal. The rates specified are the number of signal elements per second.

#### Bit

Denotes the smallest unit of information in the binary system of notation.

#### Bridging

Denotes the process of connecting three or more customer locations.

#### Business Day

Denotes the times of day that a company is open for business. Generally, in the business community, these are 8:00 or 9:00 a.m. to 5:00 or 6:00 p.m., respectively, with an hour for lunch, Monday through Friday, resulting in a standard forty (40) hour work week. However, Business Day hours for the Company may vary based on company policy, union contract and location.

#### C-Message Noise

Denotes frequency weighted average noise which takes into consideration the electrical/acoustical properties of the 500-type telephone set and the human ear.

#### 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.

#### Carrier or Common Carrier

See "Interexchange Carrier".

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## **2. GENERAL REGULATIONS**

### **2.6 DEFINITIONS (Cont'd)**

#### Central Office (CO)

Denotes a local switching unit providing local telephone service to customers within an exchange or wire center serving area. More than one central office may be located in the same wire center.

#### Channel(s)

Denotes the individual segment(s) of a circuit.

#### Channel Connection

Denotes the connection (loop plant) from the customer's premises to the serving wire center.

#### Channel Loss

Denotes the loss at a given frequency, expressed in decibels, caused by insertion of equipment and/or facilities in a communications path.

#### Channel Service Unit

Denotes equipment which performs one or more of the following functions: termination of a digital facility, regeneration of digital signals, detection and/or correction of signal format error, and remote loop back.

#### Channel Transmission Parameter(s)

Denotes establishing or enhancing the performance characteristics of channel.

#### Channelize

See "Multiplexing".

#### Circuit

Denotes facilities and/or equipment necessary to provide a specific service.

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## **2. GENERAL REGULATIONS**

### **2.6 DEFINITIONS (Cont'd)**

#### Communication System

Denotes channels and other facilities which are capable of communications between terminal equipment provided by other than the Company.

#### Conditioning

Denotes an enhancement to the transmission performance of a Voiceband circuit. Parameter(s) affected are attenuation distortion, envelope delay, distortion and noise.

#### Contact Closure

Denotes the low resistance short provided by a pair of electrical contacts which indicate a change in signaling states on a circuit.

#### Continuous Property

Denotes the land, including any building or buildings thereon, occupied or used in the conduct of one establishment or business, throughout which there is a general access without the necessity of crossing land used publicly or privately by others.

#### Contract

Denotes the service agreement between a customer and the Company under which facilities for communication between specified locations, for designated periods, and for the use of the customer and the authorized users specifically named in the contract are furnished in accordance with the provisions of this Catalog.

#### Customer(s)

Denotes any individual, partnership or association, joint-stock company, trust, corporation, governmental entity or any other entity which subscribes to the services offered in this Catalog including both Interexchange Carriers (IC's), Resellers and/or end users depending on the application of this Catalog in 1.1, preceding.

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## **2. GENERAL REGULATIONS**

### **2.6 DEFINITIONS (Cont'd)**

Data Transmission (107 Type) Test Line

Denotes an arrangement which provides test signals for one-way testing of data and voice transmission parameters.

Decibel

Denotes a unit of measurement used to express relative level differences.

Decibel Reference Noise C-Message Referenced to 0 (dBrnC0)

Denotes noise power measurements with C-Message weighting referenced to one milliwatt.

Decibel Reference Noise C-Message Weighting (dBrnC)

Denotes noise power measurements with C-Message Weighting in decibels relative to a reference 1000 Hz tone of 90 dB below 1 milliwatt.

Demarcation Point

See "Point of Termination (POT)".

Design Layout Report (DLR)

A document which describes the circuit provided by the Company and matches the service ordered by the customer.

E&M Signaling Arrangements

Denotes a method of transmitting supervisory information.



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## **2. GENERAL REGULATIONS**

### **2.6 DEFINITIONS (Cont'd)**

#### Echo Control

Denotes the control of reflected electrical energy in a telephone transmission path.

#### Echo Path Loss

Denotes the level of reflected signal at a four-wire point of termination without reference to the send and receive Transmission Level.

#### Echo Return Loss

Denotes a frequency weighted measurement of return loss over the middle of the voiceband (approximately 500 to 2500 Hz), where talker echo is most annoying.

#### Effective Two-Wire

Denotes an arrangement which simulates a two-wire transmission path.

#### Effective Four-Wire

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

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## **2. GENERAL REGULATIONS**

### **2.6 DEFINITIONS (Cont'd)**

#### End User

Denotes any customer 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.

#### Envelope Delay Distortion

Denotes the nonlinearity of the phase versus frequency of a channel.

#### Equal Level Echo Path Loss (ELEPL)

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

#### Exchange

Denotes a unit established for the administration of communication service in a specified area which usually embraces a city, town, or village and its environs. It consists of one or more wire centers together with the associated plant used in furnishing communication service within the area.

#### Exchange Area

Denotes the territory served by an exchange.

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**2. GENERAL REGULATIONS**

**2.6 DEFINITIONS (Cont'd)**

Expected Measured Loss

Denotes a calculated loss which specifies the 1004-Hz loss between two test points. It is the sum of the inserted connection loss and test access loss including any test pads.

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First Come - First Served

Denotes a procedure followed when the first order received will be the first order processed.

Frequency Shift

Denotes the change in the frequency of a tone as it is transmitted over a channel.

Grandfathered

Denotes certain services offered in other sections of this Catalog that are provided to existing customers only and not provided to new customers or to existing customers who move from one premises to another.

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## **2. GENERAL REGULATIONS**

### **2.6 DEFINITIONS (Cont'd)**

#### Immediate Action Limit

Denotes the performance level at which immediate corrective action is required by maintenance personnel.

#### 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

Denotes the method of expressing Echo Return Loss and Singing Return Loss at a four-wire interface whereby the gains and/or loss of the four-wire portion of the transmission path, including the hybrid, are not included in the specification.

#### Impulse Noise

Denotes any momentary occurrence of the noise on a channel over a specified channel. It is evaluated by counting the number of occurrences which exceed a specified threshold.

#### Individual Case Basis (ICB)

Denotes a condition in which the regulations, if applicable, rates and charges for an offering are developed based on the circumstances in each case.

#### Inserted Connection Loss

Denotes the 1004 Hz power difference (in dB) between two points excluding any switching loss.

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## **2. GENERAL REGULATIONS**

### **2.6 DEFINITIONS (Cont'd)**

#### Interexchange Carrier (IC) or Interexchange Common Carrier

Denotes any individual, partnership, association, joint-stock company, trust, governmental entity or corporation engaged for hire in intrastate communication between two or more exchanges.

#### Intermodulation Distortion

Denotes a measure of the nonlinearity of a channel. It is measured using four tones, and evaluating the ratios (in dB) of the transmitted composite four-tone signal power to the second-order products of the tones (R2), and the third-order products of the tones (R3).

#### Interstate Communications

Denotes both interstate and foreign communications.

#### Intrastate Communications

Denotes any communications within a state subject to oversight by a state regulatory commission as provided by the laws of the state involved.

#### Local Access and Transport Area (LATA)

Denotes a geographic area established for the provision and administration of communications service. It encompasses one or more designated exchanges, which are grouped to serve common social, economic and other purposes.

#### Loop Around Test Line

Denotes an arrangement utilizing a Company CO to provide a means to make certain two-way transmission tests on a manual basis. This arrangement has two CO 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

Denotes the variation of the actual loss from the designed value.

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## **2. GENERAL REGULATIONS**

### **2.6 DEFINITIONS (Cont'd)**

#### Maintenance of Service

Maintenance of Service denotes an occurrence of a visit to a customer's premises in connection with a service difficulty when it is determined that the difficulty is due to a condition in customer-provided facilities, terminal equipment, a communication system or for customer-maintained premises wire.

#### McCulloh Loop Signaling

Denotes a three state signaling format which provides a contact closure to the tip and ring of the POT during the normal state. During an alarm state a momentary open is provided. During the signaling state a series of grounded pulses are applied to the POT for termination and identification purposes.

#### Milliwatt (102 Type) Test Line

Denotes an arrangement in an end office which provides a 1004 Hz tone at 0 dBm for one-way transmission measurements towards the customer's premises location from the Company end office.

#### Modification of Final Judgment (MFJ)

Denotes the consent decree approved by the U.S. District Court in United States versus Western Electric 552 F. Supp. 171 (To D.C. 1982).

#### Move

A move involves a change in the physical location of the Point of Termination at the customer's designated premises.

#### Multiplexing

Denotes a method of concentrating information via signal processing techniques (i.e., frequency division, multiplexing, time division multiplexing, etc.)

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## **2. GENERAL REGULATIONS**

### **2.6 DEFINITIONS (Cont'd)**

#### 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 identification, 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 switching machines in the telecommunication systems.

#### Network Interface

See "Point of Termination (POT)".

#### Nonrecurring Charge

Denotes those charges which are one-time charges to the customer, i.e., not monthly charges. Nonrecurring charge(s) apply to the ordering, installing, moving, changing, rearranging and furnishing of channels, Channel Connection, Channel Transmission Parameter(s), Optional Features and Functions and service arrangements.

#### 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.

#### Ohm

Denotes a unit of electric resistance.

#### Open Circuit Test Line

Denotes an arrangement in an end office which provides an ac open circuit termination of a trunk or line by means of an inductor of several Henries.

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## **2. GENERAL REGULATIONS**

### **2.6 DEFINITIONS (Cont'd)**

#### Optional Features and Functions

Denotes options available to change the basic circuit's quality or utility. Examples of Optional Features and Functions include, but are not limited to, the following:

- Signaling Capability
- Bridging
- Conditioning
- Transfer Arrangements

#### Phase Jitter

Denotes the phase variations of a signal.

#### Point of Termination (POT)

Denotes the point of interconnection between Company communications facilities and terminal equipment, protective apparatus or wiring at or near a customer's premises. The POT shall be located on the customer's side of the Company's protector, or the equivalent thereof in cases where a protector is not employed, as provided under the local Company's reasonable and nondiscriminatory standard operating practices. Previously known as "Network Interface" and "Demarcation Point".

#### Premises

Denotes a building, or a portion of a building in a multi-tenant building, or buildings on continuous property (except railroad rights-of-way, etc.) not separated by a public highway.

#### Private Line Automatic Ringdown (PLAR)

Denotes a two-point or multipoint channel with Company provided signaling at a serving wire center. Either end of the channel can originate a seizure which will cause a 20 Hz ringing signal to be applied to the remote ends until answered. The customer must identify primary and remote stations.



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**2. GENERAL REGULATIONS**

**2.6 DEFINITIONS (Cont'd)**

Registered Equipment

Denotes the customer's premises equipment which complies with and has been approved within the Registration Provisions of Part 68 of the F.C.C.'s Rules and Regulations.

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.

Same Building

Denotes a structure under one roof, or two or more structures under separate roofs, throughout which there is general access by means of a door, elevators, stairways, enclosed passageways or continuous corridors. Sidewalks, driveways, heating and utility tunnels, pipes and conduits are not considered enclosed passageways.

Serving Wire Center

Denotes the local Company office from which dial tone for local exchange service would normally be provided to the customer's premises.

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.

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## **2. GENERAL REGULATIONS**

### **2.6 DEFINITIONS (Cont'd)**

#### Signal-to-C-Notched Noise Ratio

Denotes the ratio expressed in dB of a test signal to the corresponding C-Notched Noise.

#### Signaling

Denotes the process of passing information, identifying the called subscriber or addressee and for supervising and controlling the connection once it has been established.

#### 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.

#### Studio

Denotes the term as used in connection with Music Distribution Service to indicate the fixed premises of a customer at which (1) program material regularly originates or (2) program material is received for transmission and at which location amplifier-distributor equipment is provided by the customer. The term Studio also indicates premises at which personnel of the customer are present, or in lieu of personnel, the customer provides supervision and control equipment.

#### Synchronous Test Line

Denotes an arrangement in an end office which performs marginal operational tests of supervisory and ring-tripping functions.

#### Termination Liability

Denotes a specified financial obligation assumed by the customer to protect the Company's nonrecoverable investment over a specified period of time. The maximum amount of liability is reduced each month during the life of the agreement, and is billed to the customer only if the agreement is terminated or modified.

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**2. GENERAL REGULATIONS**

**2.6 DEFINITIONS (Cont'd)**

Transmission Path

Denotes a path capable of transmitting signals within the range of the service offering, e.g., a Voiceband 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 channels consisting of any form or configuration of facilities typically used in the telecommunications industry.

Transport Facilities

Denotes that portion of a Private Line Access Service which connects two wire centers.

Two-Wire to Four-Wire Conversion

Denotes an arrangement which converts a four-wire transmission path to a two-wire transmission path or a two-wire transmission path to a four-wire transmission path.

V and H Coordinates Method

Denotes a method of computing airline miles between two points by utilizing the vertical and horizontal coordinates of the two points.

Wire Center

Denotes a building in which one or more central offices, used for the provision of Telephone Exchange Services, are located.

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Original Index Sheet 1

**3. RESERVED FOR FUTURE USE**

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**4. RESERVED FOR FUTURE USE**

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**5. ORDERING OPTIONS FOR ACCESS SERVICE**

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## **5. ORDERING OPTIONS FOR ACCESS SERVICE**

### **5.1 GENERAL**

- A. This section sets forth the terms, conditions and order related charges for Private Line Access Service. These charges are in addition to other applicable charges as set forth in other sections of this Catalog.
- B. An Access Order is a request for, or change to, any service designated in this Catalog.

#### **5.1.1 ORDERING CONDITIONS**

- A. A customer may order any number of services of the same type and between the same premises on a single Access Order. All details for services for a particular order must be identical except for those for multipoint service.
- B. The Company shall provide all information necessary for the Company to provide and bill for the requested service. In addition to the order information required in 5.2, 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 activities: order negotiation, order confirmation, circuit design, installation, billing and maintenance.

#### **5.1.2 PROVISION OF OTHER SERVICES**

- A. Other services offered under the provisions of this Catalog shall be ordered with an Access Order or as set forth in B., following. The rates and charges for these services, as set forth in other sections of this Catalog and the Access Service 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. With the agreement of the Company, the other services mentioned in A., preceding, may subsequently be added to the order 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 5.2.2.C., following, will apply when an engineering review is required.

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## **5. ORDERING OPTIONS FOR ACCESS SERVICE**

### **5.1 GENERAL**

#### **5.1.2 PROVISION OF OTHER SERVICES (Cont'd)**

- C. Additional Engineering is not an ordering option, but will be applied to an Access Order when the Company determines that Additional Engineering is necessary to accommodate a customer request. Additional Engineering will only be required as set forth in 12.1, following. When it is required, the customer will be notified of 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 after being notified that Additional Engineering is required, the request 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%.
1. The terms, conditions, rates and charges for Additional Engineering are as set forth in 12.1, following, and are in addition to the terms, conditions, rates and charges specified in this section.

#### **5.1.3 SPECIAL CONSTRUCTION**

- A. The terms, conditions, rates and charges for special construction are determined in accordance with Company Practices.
1. All rates and charges quoted in other sections of this Catalog provide for the furnishing of service when suitable facilities are available or where the construction of the necessary facilities does not involve unusual costs.
- B. Conditions for Special Construction
1. Special construction is required when a customer requests service and one or more of the following conditions exist:
    - a. The facilities to provide services are not available and, at the request of the customer, the Company constructs facilities to provide the services for the customer and there is no other requirement for the facilities so constructed.
    - b. At the request of the customer, the Company constructs facilities of a type other than that which they would normally furnish in order to provide services for the customer.
    - c. In order to comply with requirements specified by the customer, construction by the Company involves a routing of facilities other than that which they would normally utilize to provide services for the customer.



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## **5. ORDERING OPTIONS FOR ACCESS SERVICE**

### **5.1 GENERAL**

#### **5.1.3 SPECIAL CONSTRUCTION**

##### **B.1. (Cont'd)**

- d. At the request of the customer, the Company constructs a greater quantity of facilities than that which they would otherwise construct in order to fulfill the customer's initial requirements for services.
- e. The facilities to provide services are not available and, at the request of the customer, the Company expedites construction of the facilities at greater expense than would otherwise be incurred.
- f. The facilities to provide services are not available and, at the request of the customer, the Company constructs temporary facilities to provide services for the period during which the permanent facilities are under construction.

##### **C. Special Construction Agreements**

1. Customers requiring special construction enter into special construction agreements with the Company. In doing so, the customer may incur any one or all of the following liabilities depending on the circumstances surrounding the special construction:
  - Maximum Termination Liability (MTL).
  - Nonrecurring Charge (NRC).
  - Excess Recurring Monthly Charge (RMC).
  - Annual Underutilization Liability (AUL).

### **5.2 ACCESS ORDER**

- A. When placing an order for Access Service, the customer shall provide, at a minimum, the following information:
  - For all Private Line Access Services, the customer may specify the customer premises or hubs involved, the type of service (e.g. Narrowband, Voiceband/Data 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.

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## **5. ORDERING OPTIONS FOR ACCESS SERVICE**

### **5.2 ACCESS ORDER (Cont'd)**

#### **5.2.1 ACCESS ORDER SERVICE DATE INTERVALS**

Access Service is provided with one of the following Service Date Intervals:

- Standard Interval
- Negotiated Interval

To the extent the Access Service can be made available with reasonable effort, the Company will provide the Access Service in accordance with the customer's requested interval, subject to the following conditions:

#### **A. Standard Interval**

1. The Standard Intervals will be used for all Access Orders for Private Line Access Services of the same channel type with the same requested service date.
2. Access Services provided in a Standard Interval will be installed during Company business days. If a customer requests that installation be done outside of normally scheduled work hours, and the Company agrees to this request, the customer will be subject to applicable Additional Labor terms, conditions set forth in 12.2.6, following.

#### **B. Negotiated Interval**

The Company will negotiate a service date interval with the customer when:

1. There is no Standard Interval for the service type or quantity, or
2. The customer requests a service date beyond the applicable Standard Interval service date.
3. The Company will offer a service date based on the type and quantity of Access Services the customer has requested. The Negotiated Interval may not exceed by more than six months the Standard Interval Service date, or, when there is no Standard Interval, the Company offered service date.
4. All services for which rates are applied on an individual case basis are provided with a Negotiated Interval.

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**5. ORDERING OPTIONS FOR ACCESS SERVICE**

**5.2 ACCESS ORDER (Cont'd)**

**5.2.2 ACCESS ORDER MODIFICATIONS**

The customer may request a modification of its Access Order at any time prior to notification by the Company that service is available for the customer's use. The Company will make every effort to accommodate a requested modification when it is able to do so with the normal work force assigned to complete such an order within normal business hours. If the modification cannot be made with the normal work force during normal business hours, the Company will notify the customer. If the customer still desires the Access Order modification, the Company will schedule a new service date. All charges for Access Order modifications will apply on a per occurrence basis.

Any increase in the number of Private Line Access Service circuits will be treated as a new Access Order (for the increased amount only).

**A. Service Date Change Charge**

1. Access Order service dates for the installation of new services or rearrangements of existing services may be changed, but the new service date may not exceed the original service date by more than sixty (60) calendar days. When, for any reason, the customer indicates that service cannot be accepted on the service date, and the Company accordingly delays the start of service, a Service Date Change Charge will apply. If the customer requested service date is more than sixty (60) calendar days after the original service date, the order will be cancelled by the Company and reissued with the appropriate cancellation charges applied unless the customer indicates that billing for the service is to commence as set forth in 5.2.3.A., following. (C)
2. A new service date may be established that is prior to the original standard or negotiated interval service date if the Company determines it can accommodate the customer's request without delaying service dates for orders of other customers. If the service date is changed to an earlier date, the customer will be notified by the Company that Expedited Order Charges as set forth in the Private Line Transport Services Tariff. (C)
3. A Service Date Change Charge will apply, on a per order, per occurrence basis, for each service date changed. The applicable charge is found in 5.2.2 of the Access Service Tariff. (C)

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## **5. ORDERING OPTIONS FOR ACCESS SERVICE**

### **5.2 ACCESS ORDER**

#### **5.2.2 ACCESS ORDER MODIFICATIONS (Cont'd)**

##### **B. Partial Cancellation Charge**

Any decrease in the number of ordered Private Line Access Service circuits will be treated as a partial cancellation and the charges as set forth in 5.2.3.B., following, will apply.

##### **C. Design Change Charge**

The customer may request a design change to the service ordered. A design change is any change to an Access Order which requires engineering review. An engineering review is a review by Company personnel, of the service ordered and the requested changes to determine what changes in the design, if any, are necessary to meet the changes requested by the customer. Design changes may include such items as the addition or deletion of Optional Features or Functions, channel interface, type of Interface Group, Channel Transmission Parameter(s) or technical specification package. Design changes do not include a change of customer premises, end office switch, or Private Line Access Service channel type. Changes of this nature will require the issuance of a new order and the cancellation of the original order with appropriate cancellation charges applied.

The Company will review the requested change, notify the customer whether the change is a design change, if it can be accommodated and if a new service date is required. If the customer authorizes the Company to proceed with the design change, a Design Change Charge will apply. The Design Change Charge will apply on a per order, per occurrence basis. The applicable charge is found in 5.2.2 of the Access Service Tariff.

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

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**5. ORDERING OPTIONS FOR ACCESS SERVICE**

**5.2 ACCESS ORDER**

**5.2.2 ACCESS ORDER MODIFICATIONS (Cont'd)**

- D. Expedited Order Charges for Access Orders are set forth in the Private Line Transport Services Tariff. (C)  
(C)

NOTICE  
THE INFORMATION CONTAINED IN THIS DOCUMENT IS SUBJECT TO CHANGE.

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**5. ORDERING OPTIONS FOR ACCESS SERVICE**

**5.2 ACCESS ORDER (Cont'd)**

**5.2.3 CANCELLATION OF APPLICATION FOR SERVICE**

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

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

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B. Certain Critical Dates as specified in C., following, are used by the Company to monitor the service order provisioning process. The Company includes these scheduled Critical Dates in the firm order confirmation associated with each Access Order provided to the customer. Cancellation charges are based on the estimated costs incurred by the Company at the time the order is canceled. The Company monitors which Critical Date was last scheduled and determines what percentage of the Company's provisioning costs have been incurred as of that Critical Date. A list of Critical Dates and the number of days between each date is found in the Service Interval Guide. A cancellation charge will not apply if the scheduled Critical Dates have not been provided to the customer

Costs incurred in conjunction with the provision of Private Line Access Service start on the Application Date as defined in C., following. When the customer cancels an order prior to the Application Date, no charges shall apply. When the customer cancels an order on or after the Application Date, a charge equal to the estimated costs incurred by the Company shall apply. Such charge is determined as specified in D. and E., following. When a customer cancels an order or part of an order, on or after the original Service Date, the Cancellation Charge will apply as set forth in D. and E., following.

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## **5. ORDERING OPTIONS FOR ACCESS SERVICE**

### **5.2 ACCESS ORDER**

#### **5.2.3 CANCELLATION OF APPLICATION FOR SERVICE (Cont'd)**

- C. The Critical Dates monitored by the Company for the purpose of calculating a Cancellation Charge are as follows:
- **Application Date (APP):** The date the customer provides a firm commitment and sufficient information to the Company for order placement. The APP Date is the date the Company enters the order into the Company's order distribution system(s). This is sometimes referred to as the order date.
  - **Design Layout Report Date (DLRD):** The date the Design Layout Report which contains the design for the service(s) ordered is forwarded to the customer.
  - **Plant Test Date (PTD):** The date acceptance testing is performed with the customer.
  - **Service Date (DD):** The date the service is due to be made available to the customer. This is sometimes referred to as the Due Date.
- D. The percentage of the total provisioning cost incurred by the Company at a particular Critical Date varies by the type of service as shown in E., following.

When a customer cancels an order, or part of an order, before the Service Date, the Company will calculate the Cancellation Charge by multiplying all the nonrecurring charges associated with the order, or that part of the order being canceled, by the percentage shown in E., following, based on the last monitored Critical Date which has occurred on the order. When a customer cancels an order, or part of an order, on or after the Service Date, 100% of the nonrecurring charges plus minimum billing period charges apply.

Nonrecurring charges associated with an order are used to calculate the Cancellation Charge even when nonrecurring charges are waived.

Analog Service and Digital Service orders where the Channel Connection recurring rate element is not billed, will be assessed a Cancellation Charge based on the equivalent of one Channel Transmission Parameter nonrecurring charge for the service.

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**5. ORDERING OPTIONS FOR ACCESS SERVICE**

**5.2 ACCESS ORDER**

**5.2.3 CANCELLATION OF APPLICATION FOR SERVICE (Cont'd)**

E. The Critical Dates monitored by the Company are as follows:

	<b>APP</b> %	<b>DLRD</b> %	<b>PTD</b> %	<b>DD</b> %
• Narrowband Service	13	44	77	[1]
• Voiceband/Data Service	13	44	77	[1]
• Music Distribution Service	13	44	77	[1]
• Digital Service	13	44	77	[1]
• Simultaneous Voice Data Service	13	44	77	[1]
• High Capacity Service	10	48	81	[1]

[1] Minimum billing period charges and 100% of the nonrecurring charges apply when an order or part of an order is canceled on or after the original Service Date.

[2] Critical Dates applicable only when provisioned on an interoffice basis.



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**5. ORDERING OPTIONS FOR ACCESS SERVICE**

**5.2 ACCESS ORDER**

**5.2.3 CANCELLATION OF APPLICATION FOR SERVICE (Cont'd)**

- F. When a customer cancels an order for the discontinuance of service, no charges apply for the cancellation.
- G. If the Company misses a service date 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 Order without incurring cancellation charges.
- H. A request for cancellation after completion of an installation will be treated as a discontinuance of service.

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## **5. ORDERING OPTIONS FOR ACCESS SERVICE**

### **5.2 ACCESS ORDER (Cont'd)**

#### **5.2.4 SELECTION OF FACILITIES FOR ACCESS ORDERS**

- A. When there are analog or digital high capacity facilities to a Hub on order or in service for the customer's use, the customer must specify facility assignments.
- B. For all other facility arrangements, 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 Section 10, following.

#### **5.2.5 MINIMUM PERIOD**

The minimum period for which Access Service is provided and for which Access charges are applicable, is one month, unless otherwise specified in this Catalog or in specific service agreements.

#### **5.2.6 MINIMUM PERIOD CHARGES**

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.

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

- A. For Private Line Access Service, the charge for a month or fraction thereof is the applicable monthly rates for the service as set forth in 7.4, following.
- B. All applicable nonrecurring charges for the service will be billed in addition to the Minimum Period Charge.

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**5. ORDERING OPTIONS FOR ACCESS SERVICE**

**5.2 ACCESS ORDER (Cont'd)**

**5.2.7 SHARED USE FACILITIES**

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

**5.2.8 DESIGN LAYOUT REPORT (DLR)**

For services that require network channel and network channel interface codes, the Company will provide, at the customers request, a DLR.

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**6. RESERVED FOR FUTURE USE**

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**7. PRIVATE LINE ACCESS SERVICE**

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**7. PRIVATE LINE ACCESS SERVICE**

**7.1 GENERAL**

Private Line Access Service provides a dedicated transmission path between customer designated premises[1], through a Company office or between customer designated premises and a Company hub where bridging and hubbing functions can be provided.

The Channel Connection provided by Private Line Access Service can be either analog or digital. Analog connections are differentiated by spectrum and bandwidth. Digital connections are differentiated by bit rate.

The channel selected by the customer must be compatible to interface with his equipment. The Company has overall responsibility up to the demarcation point at the customer's premises at which the network interface appears. Interconnection protection criteria and terms and conditions, as described elsewhere in this Catalog, shall apply.

[1] Company *CENTRON*, Centrex and CO-like switches not directly accessing the DDD network, Company Answering Service Identifiers and wire centers used to terminate Control Channels are considered to be customer premises for purposes of administering terms, conditions and rates contained in this Catalog.

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## **7. PRIVATE LINE ACCESS SERVICE**

### **7.1 GENERAL (Cont'd)**

#### **7.1.1 CHANNEL TYPES**

- A. There are several types of channels used to provide Private Line Access Services. Each type has its own characteristics. All are subdivided by one or more of the following:
- Channel Transmission Parameter(s)
  - Bandwidth
  - Speed (i.e., bit or baud rate)
  - Spectrum
- B. Customers can order a Channel Connection and select from a list of available Channel Transmission Parameter(s) and Optional Features and Functions that they desire to meet specific communications requirements.
- C. For purposes of ordering channels, each has been identified as a type of Private Line Access Service. However, such identification is not intended to limit a customer's use of the channel nor to imply that the channel is limited to a particular use.
- D. Following is a brief description of each type of channel:

#### Narrowband Service

A channel for the transmission of low speed varying signals at rates up to 30 baud, or a channel for the transmission of binary signals at rates of 0 to 150 baud or control circuit that terminates in a wire center for the control of another service.

#### Voiceband/Data Service

A channel for the transmission of analog signals within an approximate bandwidth of 300 to 3000 Hz.

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## **7. PRIVATE LINE ACCESS SERVICE**

### **7.1 GENERAL**

#### **7.1.1 CHANNEL TYPES**

D. Following is a brief description of each type of channel: (Cont'd)

##### Music Distribution Service

The channels are designed and furnished for the transmission of audio (Non-Broadcast) service which is to be used in connection with music distribution systems. These channels are furnished for transmission in one direction.

##### Digital Service

A channel for the digital data transmission of synchronous serial data at rates of 2.4, 4.8, 9.6, or 56 kbits.

##### Simultaneous Voice Data Service (SVDS)

A data channel derived from a voice service that allows for the simultaneous transmission of voice and digital data signals over a shared exchange access line or channel connection facility.

1. Each service consists of a basic channel (Channel Connection, Channel Transmission Parameters, Transport Facilities) to which a technical specifications package (customized or predefined), channel interface(s) and, when desired, Optional Features and Functions are added to construct the service desired by the customer. Each of the components of the service are described in this section.
2. Customized technical specifications will be provided where technically feasible. If the Company determines that the requested parameter specifications are not compatible, the customer will be advised and given the opportunity to change the order.



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**7. PRIVATE LINE ACCESS SERVICE**

**7.1 GENERAL (Cont'd)**

**7.1.2 RATE ELEMENTS**

Private Line Access Service is made up of a number of different rate elements which, when applied in various combinations, provide a variety of services to meet customer requirements. These rate elements, when combined to meet customer service requests, make up a Private Line Access Service.

In addition to the terms and conditions set forth herein, the General Regulations section of this Catalog also applies.

**A. Channel Connection Rate Element**

1. The Channel Connection rate element provides the communications path between the normal serving wire center and a customer designated premises. On certain services the Channel Connection may be derived from an existing service.
2. Private Line Access Service must include a Channel Connection rate element per termination.

**B. Channel Transmission Parameter(s) Rate Element**

1. Channel Transmission Parameter(s) rate element establishes the performance characteristics of the channel. When specific transmission and optional signaling parameters have been selected at the customer's primary circuit location, all other legs of the two-point or multipoint circuit arrangement will be the same.
2. Private Line Access Service must include a Channel Transmission Parameter(s) rate element per termination, as applicable.

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**7. PRIVATE LINE ACCESS SERVICE**

**7.1 GENERAL**

**7.1.2 RATE ELEMENTS (Cont'd)**

C. Transport Facilities Rate Element

The Transport Facilities rate element provides for the transmission facilities between the serving wire centers associated with two customer designated premises, between a serving wire center associated with a customer designated premises and a Company hub or between two Company hubs within the same LATA. Transport Facilities are measured by airline miles between serving wire centers via the V and H Coordinates Method, as set forth in the National Exchange Carrier Association Tariff F.C.C. No. 4, and administered as set forth in 7.2.2.C., following. There are two rates that apply for each band:

(T)

- A flat rate within a specified band.
- A rate per mile within a specific band.

D. Optional Features and Functions Rate Element

1. The Optional Features and Functions rate element provides for options which may be added to a Private Line Access Service to improve its quality or utility to meet specific communications requirements. These are not necessarily identifiable with specific equipment, but rather represent the end result in terms of performance characteristics obtained. These characteristics may be obtained by using various combinations of equipment. Although the equipment necessary to perform a specified function may be installed at various locations along the path of the service, they will be charged for as a single rate element.
2. Examples of Optional Features and Functions that are available include, but are not limited to, the following:
  - Signaling Capability
  - Hubbing Functions
  - Conditioning
  - Transfer Arrangements
  - Secondary Channel
3. A hub is a Company designated serving wire center at which bridging or multiplexing functions are performed. The bridging functions connect three or more customer designated premises in a multipoint arrangement. The multiplexing functions channelize analog or digital facilities to individual services requiring a lower capacity or bandwidth.

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## 7. PRIVATE LINE ACCESS SERVICE

### 7.1 GENERAL (Cont'd)

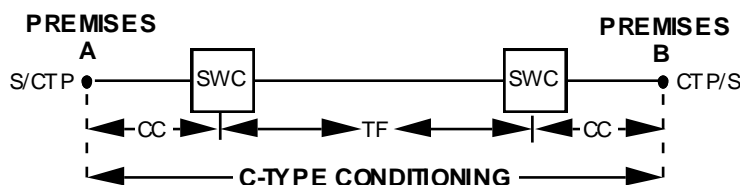
#### 7.1.3 SERVICE CONFIGURATIONS

Two types of Private Line Access Service are provided: two-point service and multipoint service.

##### A. Two-Point Service

1. A two-point service connects two customer designated premises or a customer designated premises and a hub.
2. Rate Elements are:
  - Channel Connection (one per customer designated premises)
  - Channel Transmission Parameter(s) (one per customer designated premises)
  - Transport Facilities (as applicable)
  - Optional Features and Functions (as applicable)

The following diagram depicts a two-point Voiceband/Data Service connecting two customer designated premises served by wire centers located 15 miles apart. The service is provided with C-Type conditioning and signaling.



CC - Channel Connection  
TF - Transport Facilities  
SWC - Serving Wire Center  
CTP - Channel Transmission Parameter(s)  
S - Signaling

Rate Elements are:

- Channel Connection (2 applicable)
- Transport Facilities (mileage band Over 8 to 25 miles)
- Channel Transmission Parameter(s) (2 applicable)
- Optional Features and Functions, C-Type Conditioning (one per circuit)
- Optional Features and Functions, Signaling (2 applicable)

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**7. PRIVATE LINE ACCESS SERVICE**

**7.1 GENERAL**

**7.1.3 SERVICE CONFIGURATIONS (Cont'd)**

**B. Multipoint Service**

1. A multipoint service connects three or more customer designated premises through a Company hub. The use of more than three mid-links is not represented as appropriate for use on a single multipoint service. Where the customer requests more than three mid-links on a single multipoint service, the Company does not guarantee the quality of transmission. Additional rates and/or charges may apply for the design and/or maintenance of multipoint service utilizing more than three mid-links.
2. When ordering, the customer may specify the desired bridging hub(s) selected from the National Exchange Carrier Association Tariff F.C.C. No. 4. When the customer does not specify the bridging location(s) the Company will designate the bridging location(s). (T)
3. Rate Elements are:
  - Channel Connection (one per customer designated premises)
  - Channel Transmission Parameter(s) (one per customer designated premises)
  - Transport Facilities (as applicable)
  - Optional Features and Functions (as applicable)

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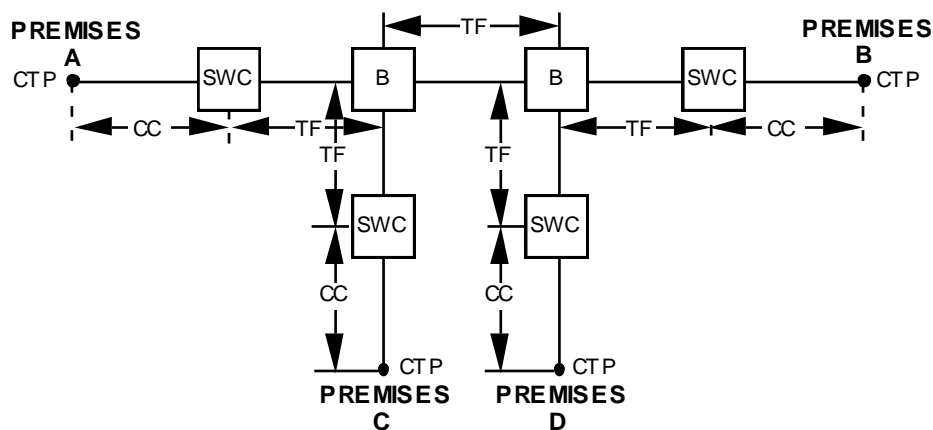
**7. PRIVATE LINE ACCESS SERVICE**

**7.1 GENERAL**

**7.1.3 SERVICE CONFIGURATIONS**

**B. Multipoint Service (Cont'd)**

4. The following diagram depicts a multipoint Voiceband service connecting four customer premises via two customer specified bridging hub(s). The service is provided with C-Type conditioning.



- CC - Channel Connection
- TF - Transport Facilities
- B - Bridging
- SWC - Serving Wire Center
- CTP - Channel Transmission Parameter(s)

Rate Elements are:

- Channel Connections (4 applicable)
- Transport Facilities (5 sections, each from appropriate mileage band)
- Channel Transmission Parameter(s) (4 applicable)
- Optional Features and Functions, Bridging (6 applicable, i.e., each bridge port)

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## **7. PRIVATE LINE ACCESS SERVICE**

### **7.1 GENERAL (Cont'd)**

#### **7.1.4 MISCELLANEOUS SERVICE**

##### **A. Facilities Protection - Special Facilities Routing**

A customer may request that the facilities used to provide Private Line Access Service be specially routed. The terms, conditions, rates and charges for Facilities Protection - Special Facilities Routing (i.e., Avoidance, Diversity, Cable-Only and Hot Standby Protection) are set forth in Section 10, following.

##### **B. Acceptance Testing**

At no additional charge, the Company will, at the customer's request, cooperatively test, at the time of installation, the following parameters:

1. For Voiceband/Data analog services, acceptance testing will include tests for loss, 3-tone slope, operational signaling, C-notched noise, and C-message noise when these parameters are applicable and specified in the order for service. Additionally, for Voiceband/Data services, a balance (improved loss) test will be made if the customer has ordered the improved loss optional feature.
2. For other analog services (i.e., Narrowband and Music Distribution) and for Digital Service, acceptance testing will include tests for the parameters applicable to the service as specified by the customer in the order for service.
3. In addition to the above tests, Additional Cooperative Acceptance Testing for Voiceband/Data Service used to test other parameters, as described in 12.3.4.B.1., following, is available at the customer's request. All test results will be made available to the customer upon request.

#### **7.1.5 ORDERING OPTIONS AND CONDITIONS**

Private Line Access Service is ordered under the Access Order provisions set forth in Section 5, preceding. Also included in that section are other options associated with ordering Private Line Access Service (e.g., Service Date Change, etc.).

##### **A. Cancellation of Application for Service**

1. Cancellation of an application for service is as specified in 5.2.3, preceding.

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**7. PRIVATE LINE ACCESS SERVICE**

**7.2 TERMS AND CONDITIONS**

**7.2.1 GENERAL TERMS AND CONDITIONS**

- A. Terminating a Channel Connection outside the Base Rate Area.

When a Channel Connection is terminated (circuit end) outside the Base Rate Area of an exchange, an additional monthly rate is applicable to each Channel Connection outside the Base Rate Area.

- B. Channels are arranged for service 7 days per week, 24 hours per day, for a minimum period of one month.

- C. Establishing New Wire Centers

Whenever it becomes necessary to establish a new wire center, as determined by the Company, which results in a change in the serving wire center for a Private Line Access Service, the service will be rerated and redesigned to the new serving wire center.

- D. The Company will maintain transmission specifications on services installed prior to January 1, 1984. Existing services with performance specifications exceeding the standards outlined in the Technical Publications listed under the Reference to Technical Publications, preceding, will only be maintained at the performance levels set forth therein.

- E. When a customized technical specifications package is ordered, the customer will be notified of additional charges. In such cases, the customer will be given an estimate of the charges to be billed before any further action is taken on the order.

- F. Controller Arrangement (DDS Service Only)

This arrangement enables the customer to control up to 48 transfer functions at a Company wire center via a remote keyboard terminal capable of either 300 or 1200 bits per second (bps) operation. Included as part of the Controller Arrangement is a dial-up data station located at the Company wire center to provide access to the Controller Arrangement. This dial-up data station consists of a 212A *DATAPHONE* data set and an appropriate Company provided channel. This service will only be provided where facilities and equipment are available.

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**7. PRIVATE LINE ACCESS SERVICE**

**7.2 TERMS AND CONDITIONS (Cont'd)**

**7.2.2 RATE TERMS AND CONDITIONS**

This section contains the specific terms and conditions governing the rates and charges that apply for Private Line Access Service.

**A. Types of Rates and Charges**

There are two types of rates and charges. These are monthly rates and nonrecurring charges. The rates and charges are described as follows:

**1. Monthly Rates**

Monthly rates are recurring rates that apply each month or fraction thereof that a Private Line Access Service is provided. For billing purposes, each month is considered to have 30 days.

**2. Nonrecurring Charges**

Nonrecurring charges are one-time charges that apply for specific work activity such as installation of service, optional features and functions, service rearrangements, etc.

**a. Installation of Service**

- (1) Nonrecurring charges apply to each service installed. The nonrecurring charges for the installation of service are set forth herein.
- (2) Nonrecurring charges apply for the installation of some Optional Features and Functions. If a nonrecurring charge is stated, the charge applies whether the feature is installed coincident with the initial installation of service, or at any time subsequent to the initial installation of service.
- (3) Optional Features and Functions added subsequent to the initial installation that do not have a specific nonrecurring charge, will be charged a Channel Transmission Parameter(s) nonrecurring charge as applicable.



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## **7. PRIVATE LINE ACCESS SERVICE**

### **7.2 TERMS AND CONDITIONS**

#### **7.2.2 RATE TERMS AND CONDITIONS**

##### A.2.a. (Cont'd)

#### (4) Circuit Configuration Change Charge

When a customer requests the addition or deletion of leg(s) on an existing circuit which results in the reconfiguration of the circuit from multipoint to two-point or from two-point to multipoint, a Circuit Configuration Change Charge applies in addition to the applicable Channel Transmission Parameter(s) nonrecurring charge(s).

### 3. Service Rearrangements

- a. Service rearrangements are changes to existing (installed) services which do not result in either a change in the minimum period requirements (i.e., change from one type of Private Line Access Service to another or change from one type of Channel Connection and Channel Transmission Parameter(s) to another) or a change in the physical location of the point of termination at a customer designated premises. Changes in the type of service or Channel Connection and Channel Transmission Parameter(s) are treated as disconnects and new connects. Changes in the physical location of the point of the termination are treated as moves and are described and charged for as set forth in 7.2.2.B., following.
- b. The charge for service rearrangements is dependent on whether the change is administrative only in nature or involves physical change to the service.
- c. All other service rearrangements will be charged for as follows:
  - If the change involves the addition of an Optional Feature or Functions which has a separate nonrecurring charge, that nonrecurring charge will apply.
  - If the change involves the addition of or a change of the type of signaling on a Voiceband/Data Service, a charge equal to the Voiceband/ Data Channel Transmission Parameter(s) nonrecurring charge will apply. The charge will apply per service termination affected.
  - For all other changes, including the addition of Optional Features or Functions without separate nonrecurring charges, a charge equal to the Channel Transmission Parameter(s) nonrecurring charge will apply. Only one such charge will apply per service, per change.

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## **7. PRIVATE LINE ACCESS SERVICE**

### **7.2 TERMS AND CONDITIONS**

#### **7.2.2 RATE TERMS AND CONDITIONS**

##### **A. Types of Rates and Charges (Cont'd)**

##### **4. Administrative Changes**

Administrative changes will be made without charge(s) to the customer. Administrative changes are as follows:

- Change of customer name (i.e., the customer of record does not change but rather the customer of record changes its name e.g., XYZ Company to XYZ Communications.)
- Change of customer premises address when the change of address is not a result of a physical relocation of equipment,
- Change in billing data (name, address, or contact name or telephone number),
- Change of customer contact name or telephone number, and
- Change of customer circuit I.D.

##### **B. Moves**

A move involves a change in the physical location of the Point of Termination at the customer's designated premises.

Moves of a point of termination will be treated as a discontinuance and new install. Associated nonrecurring charges will apply for the moved rate elements.

##### **C. Mileage Measurement**

The mileage in determining the monthly rate for the Transport Facilities is calculated using the airline distance 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 premises and a Company hub, or two Company hubs. The serving wire center associated with a customer designated premises is the serving wire center from which the customer designated premises would normally obtain dial tone.

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## **7. PRIVATE LINE ACCESS SERVICE**

### **7.2 TERMS AND CONDITIONS**

#### **7.2.2 RATE TERMS AND CONDITIONS**

##### **C. Mileage Measurement (Cont'd)**

Transport Facilities are shown in 7.4.2, following, in terms of mileage bands. To determine the rate to be billed, first compute the mileage using the V & H coordinates method, as set forth in the National Exchange Carrier Association Tariff F.C.C. No. 4, then find the band into which the computed mileage falls and apply the rate shown for that band. When the calculation results in a fraction of a mile, always round up to the next whole mile before determining the mileage band and applying the rates.

When hubs are involved, mileage is computed and rates applied separately for each section of the Transport Facilities, i.e., customer designated premises serving wire center to hub, hub to hub and/or hub to customer designated premises serving wire center. However, when any service is routed through a hub for purposes other than customer specified bridging or multiplexing (e.g., the Company chooses to so route for test access purposes), rates will be applied only to the distance calculated between the serving wire centers associated with the customer designated premises.

##### **D. Facility Hubs**

1. A customer has the option of ordering digital facilities to a facility hub for channelizing to individual services requiring lower capacity facilities (e.g., Narrowband Service, Voiceband/Data Service, Music Distribution Service, and Digital Service) where facilities are available.
2. Different locations may be designated as hubs for different facility capabilities. When placing an Access Order the customer can specify the desired hub. The National Exchange Carrier Association Tariff F.C.C. No. 4 identifies serving wire centers, wire center locations and the type of multiplexing functions available.
3. Some of the types of multiplexing available include the following:
  - From higher to lower bit rate
  - From higher to lower bandwidth

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## **7. PRIVATE LINE ACCESS SERVICE**

### **7.2 TERMS AND CONDITIONS**

#### **7.2.2 RATE TERMS AND CONDITIONS**

##### **D. Facility Hubs (Cont'd)**

4. End-to-end services may be provided on channels of these facilities to a hub. The transmission performance for the end-to-end service provided between customer designated premises will be that of the lower capacity or bit rate.
5. The Company will commence billing the monthly rate for the facility to the hub on the date specified by the customer on the access order. Individual services utilizing these facilities may be installed one or more days after the installation of the facility to the hub at the option of the customer. The customer will be billed for a Voiceband/Data Service Channel Connection, Channel Transmission Parameter(s), and Transport Facilities (when applicable), and the multiplexer at the time the facility is installed. Individual service rates (by service type) will apply for a Channel Connection, Channel Transmission Parameter(s) and additional Transport Facilities (as required) for each channelized service. These will be billed to the customer as each individual service is installed.

##### **E. Shared Use Facilities**

Shared Use (i.e., Switched Access Services and Private Line Access Services provided over digital high capacity facilities) is allowed. Access Services provided over high capacity facilities to a customer location will be ordered and provided as individual services, either as Switched Access Service or Private Line Access Service. When placing the order for the individual service(s), the customer must specify a channel assignment for each service ordered.

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## **7. PRIVATE LINE ACCESS SERVICE**

### **7.3 SERVICE DESCRIPTIONS**

#### **7.3.1 NARROWBAND SERVICE**

##### **A. Basic Circuit Description**

Narrowband Channels are unconditioned channels capable of transmitting low speed varying signals at rates up to 30 baud or binary signals at rates of 0-150 baud. Narrowband Channels are furnished and rated from a POT to a POT or bridging location to POT. These channels are furnished on a two-point or multipoint basis.

There are two service categories from which the customer may choose. These are:

##### **1. Narrowband A - equivalent to:**

- NB1 - A circuit suitable for signal transfer rates up to 30 baud. This service is usually provided over a balanced metallic facility. This service is provided on a two-point basis only. The transmission interfaces are provided on a two-wire basis only,

or;

- NB2 - A circuit suitable for transporting the three-level signal used in the McCulloh loop signaling system at speeds up to 15 baud. This service is provided over metallic or other appropriate facilities. This service is provided on a two-point or multipoint basis. The transmission interfaces are provided on a two-wire only basis,

or;

- NB3 - A circuit suitable for the transmission of 60 Hz control signals and dc current. This service is provided over metallic facilities. This service is provided on a two-point or multipoint basis. The transmission interfaces are provided on a two-wire only basis.

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## **7. PRIVATE LINE ACCESS SERVICE**

### **7.3 SERVICE DESCRIPTIONS**

#### **7.3.1 NARROWBAND SERVICE**

##### **A. Basic Circuit Description (Cont'd)**

##### **2. Narrowband B - equivalent to:**

- NB4 - A circuit suitable for the transmission of asynchronous transitions between two current levels at rates up to 75 baud. This service is provided on a two-point or multipoint basis. The transmission interfaces are provided on a two-wire or four-wire basis,

or;

- NB5 - A circuit suitable for the transmission of asynchronous transitions between two current levels at rates up to 150 baud. This service is provided on a two-point or multipoint basis. The transmission interfaces are provided on a two-wire or four-wire basis.

Information pertaining to the technical specifications and compatible channel interfaces are set forth in the Technical Publications listed under the Reference to Technical Publications, preceding.

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**7. PRIVATE LINE ACCESS SERVICE**

**7.3 SERVICE DESCRIPTIONS**

**7.3.1 NARROWBAND SERVICE (Cont'd)**

**B. Terms and Conditions**

1. In addition to the terms and conditions set forth elsewhere in this Catalog, the following terms and conditions apply to Narrowband Channels.
2. It is expressly declared that metallic facilities are in continually decreasing supply and the Company is not obligated to continue to provide such facilities. Due to facility rearrangements, continued use of metallic facilities may be denied to existing customers with no obligation on the Company's part to pay customer equipment rearrangement costs. The Company will give the customer 90 days notification of this type of facility rearrangements. Metallic facilities are provided only where existing facilities and operating conditions permit. All Channel Connections must have the same Channel Transmission Parameter(s). Any deviation from the established parameters on a given circuit will be handled on an individual case basis. All transmission measurements will be measured from the primary station.
  - a. Narrowband A
    - (1) These circuits are furnished on a two-point or multipoint basis primarily for use with customer-provided power and station equipment.
    - (2) Transmission is not to exceed a pulsing rate of 30 baud.
    - (3) These circuits are furnished on a two-wire basis, with four-wire circuit requirements being provided by two two-wire services.

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## **7. PRIVATE LINE ACCESS SERVICE**

### **7.3 SERVICE DESCRIPTIONS**

#### **7.3.1 NARROWBAND SERVICE**

##### B.2.a. (Cont'd)

- (4) These circuits are suitable for low speed unidirectional series operated signaling, provided by regenerated or simulated dc continuity (McCulloh Loop Signaling).
- (5) Each Narrowband Service is restricted to not more than three serving wire centers and/or 26 stations for multipoint service.
- (6) Channels which are used to provide a transmission path between two premises, are defined in terms of electrical interfaces. The customer is responsible for selecting the proper type of channel to meet his service requirements. Minimum protection criteria and terms and conditions as described in 2.5.1, preceding, apply.
- (7) Signaling applied by terminal equipment on circuits must conform to the technical parameters set forth in the Technical Publications listed under the Reference to Technical Publications, preceding.

##### b. Narrowband B

- (1) These circuits are furnished with either two-wire or four-wire interface for use on a two-point or multipoint basis.
- (2) The customer must conform to the technical parameters set forth in the Technical Publications listed under the Reference to Technical Publications, preceding.
- (3) The number of stations that may be connected and the distance over which transmission is possible may be limited by the operating and transmission factors for low speed data channels. These operating and transmission factors are determined by the Company. Special and unusual arrangements will be handled on an individual case basis.

##### C. Optional Features and Functions

###### 1. Narrowband B Bridging

The process of connecting three or more customer locations.



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## **7. PRIVATE LINE ACCESS SERVICE**

### **7.3 SERVICE DESCRIPTIONS (Cont'd)**

#### **7.3.2 VOICEBAND/DATA SERVICE**

##### **A. Basic Circuit Description**

Circuits with a bandwidth of 300-3000 Hz designed to meet certain specifications based on Company standards of measurement for voice transmission, data transmission, remote metering, telephoto and miscellaneous signaling purposes. Such identification is not intended to limit a customer's use of the circuits nor to imply that the circuit is limited to a particular use. These circuits are not suitable for the transmission of direct current pulses. The number of stations that may be connected and the distance over which transmission is possible may be limited by operating and transmission factors. Circuits are furnished for two-wire or four-wire operation for a two-point or multipoint operation.

There are five optional service categories from which the customer may choose from, these are:

1. Voice A - equivalent to:
  - VG1 - Suitable for basic two-point non-switched voice circuits where higher transmission quality of other voicebands is not required. The transmission interfaces are either two-wire or four-wire,  
  
or;
  - VG2 - Suitable for two-point or multipoint voice private line and the station (or closed) end of switched special service circuits. The transmission interfaces are either two-wire or four-wire.
  
2. Voice B - equivalent to:
  - VG5 - Suitable for two-point or multipoint low speed voiceband/data circuits. The transmission interfaces may be either two-wire or four-wire,  
  
or;
  - VG11 - Suitable for two-point or multipoint voiceband telephoto/facsimile circuits. The transmission interfaces may be either two-wire or four-wire.

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## **7. PRIVATE LINE ACCESS SERVICE**

### **7.3 SERVICE DESCRIPTIONS**

#### **7.3.2 VOICEBAND/DATA SERVICE**

##### **A. Basic Circuit Description (Cont'd)**

3. Voice C - equivalent to:
  - VG7 - Suitable for two-point use for both voice and voiceband/data applications. The transmission interfaces may be either two-wire or four-wire.
  
4. Voice D - equivalent to:
  - VG3 - Suitable for two-point voice trunk type circuits. This service is provided on a two-point basis only. The transmission interfaces are provided as either two-wire or four-wire,  
  
or;
  - VG4 - Suitable for specialized voice/tone circuits which meet FAA specification S-1142A. This service is provided on a two-point basis only. The transmission interfaces are provided on a four-wire basis only,  
  
or;
  - VG8 - Suitable for trunk type voice and voiceband/data applications. This service is provided on a two-point basis only. The transmission interfaces are provided as either two-wire or four-wire,  
  
or;
  - VG9 - Suitable for SSN intermachine trunks. This service is provided on a two-point basis only. The transmission interfaces are provided on a four-wire basis only.

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**7. PRIVATE LINE ACCESS SERVICE**

**7.3 SERVICE DESCRIPTIONS**

**7.3.2 VOICEBAND/DATA SERVICE**

A. Basic Circuit Description (Cont'd)

5. Data - equivalent to:

- VG6 - Suitable for Voiceband/Data circuits (Applications may be limited). This service is provided on a two-point or multipoint basis. The transmission interfaces are provided on a four-wire basis only,

or;

- VG10 - Suitable for Voiceband/Data circuits. This service is provided on a two-point or multipoint basis. The transmission interfaces are provided as either two-wire or four-wire,

or;

- VG12 - Suitable for providing audio tone protective relaying circuits for electric power utility locations. It is used to transmit control signals for the operation of circuit breakers which protect sections of high-voltage power lines and associated equipment during fault conditions. This service is provided on a two-point or multipoint basis. The transmission interfaces are provided as either two-wire or four-wire. (High voltage protection conditioning required.)

Information pertaining to the technical specifications and compatible channel interfaces are set forth in the Technical Publications listed under the Reference to Technical Publications, preceding.

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**7. PRIVATE LINE ACCESS SERVICE**

**7.3 SERVICE DESCRIPTIONS**

**7.3.2 VOICEBAND/DATA SERVICE (Cont'd)**

**B. Terms and Conditions**

In addition to the terms and conditions set forth elsewhere in this Catalog, the following terms and conditions apply to Voiceband/Data Circuits.

All Channel Connections on a two-point or multipoint circuit must have the same channel transmission and compatible signaling feature and function parameters. Any deviation from the established parameters on a given circuit will be handled on an individual case basis.

1. Signaling on Voiceband/Data Circuits must conform to the technical parameters set forth in the Technical Publications listed under the Preference to Technical Publications, preceding.
2. The number of locations that may be connected and the distance over which transmission is possible may be limited by the operating and transmission factors for Voiceband/Data Circuits. These operating and transmission factors are determined by the Company. Special and unusual arrangements will be handled on a case-by-case basis.
3. Voiceband/Data Circuits do not directly access the switched network.

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## **7. PRIVATE LINE ACCESS SERVICE**

### **7.3 SERVICE DESCRIPTIONS**

#### **7.3.2 VOICEBAND/DATA SERVICE (Cont'd)**

##### **C. Optional Features and Functions**

##### **1. Signaling Arrangements**

- a. At the customer's option, the following signaling arrangements are available as features and functions.

(1) **Automatic Ringdown Signaling Arrangement (PLAR)**

Automatic ringdown signaling (20 Hz ac ringing voltage) to the customer's station equipment with the PLAR equipment provided at a Company wire center.

(2) **Loop Type Signaling Arrangements[1]**

Signaling Arrangement A

Furnished for use with Class A PBX (or similar) line ports capable of operation over loops with resistance in the range of 0-199 ohms.

Signaling Arrangement B

Furnished for use with Class B PBX (or similar) line ports capable of operation over loops with resistance in the range of 200-899 ohms.

Signaling Arrangement C

Furnished for use with Class C PBX (or similar) line ports capable of operation over loops with resistance in the range of 900 ohms or more.

Signaling Arrangement D

Furnished for use with all services other than PBX.

[1] When this feature is requested, the customer must provide a facility interface code.

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## **7. PRIVATE LINE ACCESS SERVICE**

### **7.3 SERVICE DESCRIPTIONS**

#### **7.3.2 VOICEBAND/DATA SERVICE**

C.1.a. (Cont'd)

- (3) E&M Signaling Arrangements[1]

Signaling Arrangement I

E&M leads are provided for the transferring of supervisory signals[2]

Signaling Arrangement II

Provides E&M, SB and SG leads for supervisory signals[2]

Signaling Arrangement III

Provides E&M, SB and SG leads for supervisory signals[2]

- (4) Single Frequency

Signaling within voice frequency band

- (5) Reverse Battery

Signaling supervision

- (6) Tandem Signaling

Signaling for back-to-back carrier

- (7) Ground Start

[1] When this feature is requested, the customer must provide a facility interface code (FIC).

[2] Further description of the differences between E&M Signaling Arrangements I, II and III, are set forth in the Technical Publications listed under the Reference to Technical Publications, preceding.

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## **7. PRIVATE LINE ACCESS SERVICE**

### **7.3 SERVICE DESCRIPTIONS**

#### **7.3.2 VOICEBAND/DATA SERVICE**

##### **C. Optional Features and Functions (Cont'd)**

##### **2. Multipoint Bridging Capability**

- Voice Bridging (two-wire and four-wire)
- Data Bridging (two-wire or four-wire)
- Telephoto Bridging (two-wire or four-wire)

##### **3. Conditioning**

Information pertaining to conditioning technical specifications are set forth in the Technical Publications listed under the Reference to Technical Publications, preceding.

If one termination of a circuit is conditioned, all terminations on that circuit must have the same conditioning.

##### **a. Conditioning for voiceband circuits are furnished as follows:**

Type C - Conditioning is a transmission enhancement that improves the attenuation distortion and envelope delay characteristics of a circuit.

##### **b. High Performance Data Conditioning**

Type D - Conditioning is a transmission enhancement that improves the nonlinear distortion and C-notched noise characteristics of a circuit.

##### **c. Telephoto Conditioning**

Telephoto Conditioning is a transmission enhancement that offers more stringent control of envelope delay parameters.

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## **7. PRIVATE LINE ACCESS SERVICE**

### **7.3 SERVICE DESCRIPTIONS**

#### **7.3.2 VOICEBAND/DATA SERVICE**

##### **C. Optional Features and Functions (Cont'd)**

4. Improved Return Loss
  - a. On Effective Four-Wire Transmission at Four-Wire POT (applicable to each two-wire port): Provides for a fixed 600 ohm impedance, variable level rand and simplex reversal. Company equipment is required at the customer's premises where this option is ordered. The Improved Return Loss parameters are set forth in the Technical Publications listed under the Reference to Technical Publications, preceding.
  - b. On Effective Two-Wire Transmission at Two-Wire POT: Provides for more stringent Echo Control specifications. In order for this option to be applicable, the transmission path must be four-wire at one POT and two-wire at the other POT. Placement of Company equipment may be required at the customer's premises with the two-wire POT. The Improved Return Loss parameters are set forth in the Technical Publications listed under the Reference to Technical Publications, preceding.
5. Four-Wire/Two-Wire Conversions or Two-Wire/Four-Wire Conversions (Hybrid option)

When a customer requests that an effective four-wire circuit be terminated with a two-wire channel interface or that an effective two-wire circuit be terminated with a four-wire channel interface at the customer designated premises, a four-wire to two-wire or a two-wire to four-wire conversion is required.

6. Customer Specified Premises Receive Level

This option allows the customer with four-wire transmission to specify the receive level at the POT. The level must be within a specified range on effective four-wire transmission. The ranges are set forth in the Technical Publications listed under the Reference to Technical Publications, preceding. If requested subsequent to initial installation, a rearrangement charge applies.[1,2]

[1] For application refer to 7.2.2.A.3., preceding.

[2] Applicable to VG1 to VG12 only.



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## **7. PRIVATE LINE ACCESS SERVICE**

### **7.3 SERVICE DESCRIPTIONS (Cont'd)**

#### **7.3.3 MUSIC DISTRIBUTION SERVICE**

##### **A. Basic Circuit Description**

A Music Distribution Circuit is a service available in various bandwidths. The actual bandwidth is a function of the channel interface selected by the customer. Only one-way, two-wire transmission is provided. Music Distribution Circuits are provided between customer designated premises or between a customer designated premises and a Company hub.

There are three service categories from which the customer may choose. These are:

1. 200 to 3500 Hz - equivalent to:
  - AP1 - A circuit with a nominal band pass from 200 Hz to 3500 Hz. This service is provided on a two-point or multipoint basis. The transmission interfaces are provided on a two-wire only basis.
2. 100 to 5000 Hz - equivalent to:
  - AP2 - A circuit with a nominal band pass from 100 Hz to 5000 Hz. This service is provided on a two-point or multipoint basis. The transmission interfaces are provided on a two-wire only basis.
3. 50 to 8000 Hz - equivalent to:
  - AP3 - A circuit with a nominal band pass from 50 Hz to 8000 Hz. This service is provided on a two-point or multipoint basis. The transmission interfaces are provided on a two-wire only basis.

Information pertaining to the technical specifications and compatible channel interfaces are set forth in Technical Publications listed under the Reference to Technical Publications, preceding.

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**7. PRIVATE LINE ACCESS SERVICE**

**7.3 SERVICE DESCRIPTIONS**

**7.3.3 MUSIC DISTRIBUTION SERVICE (Cont'd)**

**B. Terms and Conditions**

1. In addition to the terms and conditions set forth elsewhere in this Catalog, the following terms and conditions apply to Music Distribution Circuits.
2. All Channel Connections on a two-point or multipoint circuit must have the same Channel Transmission Parameter(s). Any deviation from the established parameters on a given circuit will be handled on an individual case basis.
  - a. These circuits are designed and furnished for the transmission of audio (Non-Broadcast) service.
  - b. Music Distribution service is furnished depending upon the availability of facilities and the requirements of the customer.
  - c. A maximum of three channels from a wire center to different music-receiving customer locations, or music-receiving studios, may be bridged to one channel between the wire center and a studio without the use of amplifier-distributor equipment. Under this plan, only one music-receiving customer may be connected to each channel from the wire center to a music-receiving customer location.
3. Channels Connected to Bridging Distribution Amplifier at a Wire Center

Where it is necessary to bridge more than three channels at a wire center, a Bridging Distribution Amplifier is required.

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**7. PRIVATE LINE ACCESS SERVICE**

**7.3 SERVICE DESCRIPTIONS**

**7.3.3 MUSIC DISTRIBUTION SERVICE (Cont'd)**

C. Optional Features and Functions

1. Multipoint Bridging Capability

Bridging Distribution Amplifier

2. Gain Conditioning

Control of 1004 Hz AML at initiation of service to 0 dB  $\pm$  0.5 dB.

3. Stereo

Provision of a pair of gain/phase equalized channels for stereo applications.  
(Additional Music Distribution circuits must be ordered separately.)

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## **7. PRIVATE LINE ACCESS SERVICE**

### **7.3 SERVICE DESCRIPTIONS (Cont'd)**

#### **7.3.4 DIGITAL SERVICE**

##### **A. Basic Circuit Description**

Digital data service is provided on a two-point or multipoint, 4-wire basis for 2.4, 4.8, 9.6, 19.2 or 56 kbit/s transmission, of synchronous serial data. It is also provided at 64 kbit/s, on a two-point only basis. Subrated DS0 Service is also available. The actual bit rate is a function of the channel interface selected by the customer. The circuit provides a synchronous service with timing provided by the Company through the Company's facilities to the customer in the received bit stream. Digital data circuits are only available via Company designated wire centers and are provided between customer designated premises, between a customer designated premises and a Company hub, or between Company hubs.

There are several service categories from which the customer may choose. These are:

1. 2.4 kbit/s - equivalent to:
  - DA1 - A circuit suitable for transmitting serial synchronous digital data at a 2.4 kbit/s rate. The service is synchronized with timing provided through the Company's facilities to the customer on the received bit stream. The service is provided on a two-point or multipoint basis. The transmission interfaces are provided on a four-wire only basis.
2. 4.8 kbit/s - equivalent to:
  - DA2 - A circuit suitable for transmitting serial synchronous digital data at a 4.8 kbit/s rate. The service is synchronized with timing provided through the Company's facilities to the customer on the received bit stream. The service is provided on a two-point or multipoint basis. The transmission interfaces are provided on a four-wire only basis.
3. 9.6 kbit/s - equivalent to:
  - DA3 - A circuit suitable for transmitting serial synchronous data at the 9.6 kbit/s rate. The service is synchronized with timing provided through the Company's facilities to the customer on the received bit stream. The service is provided on a two-point or multipoint basis. The transmission interfaces are provided on a four-wire only basis.

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## **7. PRIVATE LINE ACCESS SERVICE**

### **7.3 SERVICE DESCRIPTIONS**

#### **7.3.4 DIGITAL SERVICE**

##### **A. Basic Circuit Description (Cont'd)**

4. 19.2 kbit/s - equivalent to:
  - DA5 - A circuit suitable for transmitting serial synchronous data at the 19.2 kbit/s rate. The service is synchronous with timing provided through the Company's facilities to the customer on the received bit stream. The transmission interfaces are provided on a two-point or multipoint, four-wire only basis.
5. 56 kbit/s - equivalent to:
  - DA4 - A circuit suitable for transmitting serial synchronous data at the 56 kbit/s rate. The service is synchronous with timing provided through the Company's facilities to the customer on the received bit stream. The service is provided on a two-point or multipoint basis. The transmission interfaces are provided on a four-wire only basis.
6. 64 kbit/s - equivalent to:
  - DA6 - A circuit suitable for transmitting serial synchronous data at the 64 kbit/s rate. The service is synchronous with timing provided through the Company's facilities to the customer on the received bit stream. The transmission interfaces are provided on a two-point, four-wire only basis.

The customer must provide the Channel Service Unit-type equipment or other customer provided equipment associated with the digital data circuit at the customer premises. The interim program for interconnection of such equipment is set forth in Technical Publications listed under the Reference to Technical Publications, preceding.

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## **7. PRIVATE LINE ACCESS SERVICE**

### **7.3 SERVICE DESCRIPTIONS**

#### **7.3.4 DIGITAL SERVICE (Cont'd)**

##### **B. Optional Features and Functions**

###### **1. Bridging**

Bridging is an arrangement within Digital Hub(s) to connect three or more customer designated premises to form multipoint configurations. It permits a customer to transmit communications from one location to many locations simultaneously and/or receive communications at a single location from many locations. It is not available with 64 kbit/s or Subrated DS0.

###### **2. Transfer Arrangement**

An arrangement that affords the customer an additional measure of protection and/or flexibility in the use of their access channel(s) on a 1xN basis. The arrangement can be utilized to transfer a leg of a Private Line Access Service to either a spare or working channel that terminates in either the same or a different customer designated premises. This arrangement is only available at a Company designated hub. A key activated or dial-up control service is required to operate the transfer arrangement. A spare channel, if required, is not included as a part of the option.

###### **3. Secondary Channel**

- a. Secondary Channel provides an independent lower rate channel which allows diagnostic, maintenance and network administration capabilities. This enhancement is available with 4.8, 9.6, 19.2 and 56 kbit/s for two-point and multipoint arrangements. The offering is contingent upon equipment and facility availability.
- b. Secondary Channel service does not constitute a 64 kbit/s Clear Channel Capacity, nor shall the offering of Secondary Channel service obligate the Company to provision it using any specific 64 kbit/s Clear Channel Capability protocols.
- c. Customer provided equipment interfacing with Secondary Channel service arrangements must be designed in accordance with Technical Publication 77312.

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## **7. PRIVATE LINE ACCESS SERVICE**

### **7.3 SERVICE DESCRIPTIONS**

#### **7.3.4 DIGITAL SERVICE**

##### **B. Optional Features and Functions (Cont'd)**

#### **4. Central Office DS0 to Subrate (DS0B to DS0A Subrate) Multiplexing**

An arrangement that provides a Company multiplexer which converts a Subrated DS0 (DS0B) channel containing up to twenty 2.4 kbit/s, ten 4.8 kbit/s, or five 9.6 kbit/s channels into individual 2.4, 4.8, or 9.6 kbit/s circuits, each utilizing time division multiplexing.

The placement of Digital Service and/or SVDS onto a Digital Service Central Office DS0 to Subrate Multiplexer will only be provided in Digital Hub(s).

#### **5. Central Office Multiplexer to Multiplexer Connecting Arrangement**

##### **a. Subrate to Subrate**

An arrangement that allows a customer to connect an individual channel from one DS0 to Subrate Multiplexer to an individual channel of another DS0 to Subrate Multiplexer, at 2.4, 4.8 or 9.6 kbit/s, within the same Digital Hub.

In addition, this arrangement allows a customer to connect an individual channel from one DS0 to Subrate Multiplexer, to an individual channel of another DS0 to Subrate Multiplexer located in a different Digital Hub, at 2.4, 4.8 or 9.6 kbit/s. Transport Facilities Mileage applies between Digital Hubs.

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## **7. PRIVATE LINE ACCESS SERVICE**

### **7.3 SERVICE DESCRIPTIONS**

#### **7.3.4 DIGITAL SERVICE**

##### **B.5. (Cont'd)**

##### **b. DS0 to DS0**

An arrangement that allows a customer to connect an individual channel from one High Capacity (DS1) to DS0 Multiplexer to an individual channel of another DS1 to DS0 Multiplexer, within the same Company serving wire center. In addition, this arrangement can be used to allow a customer to connect an individual channel of one DS1 to Voice Multiplexer to another DS1 to Voice Multiplexer, within the same Company serving wire center. DS0 to DS0 can be used for 2.4, 4.8, 9.6, 19.2, 56 and 64 kbit/s and Subrated DS0 Service. DS0 to DS0 with Secondary Channel can be used for 4.8, 9.6, 19.2, and 56 kbit/s.

In addition, this arrangement allows a customer to connect an individual channel from one DS1 to DS0 Multiplexer, to an individual channel of another DS1 to DS0 Multiplexer located in a different Digital Hub. Transport Facilities Mileage applies between Digital Hubs.

- c. When a Central Office Multiplexer to Multiplexer Connecting Arrangement is made within the same Digital Hub, only one arrangement will apply. When a Central Office Multiplexer to Multiplexer Connecting Arrangement is made in different Digital Hub(s), one arrangement will apply for each Digital Hub. Transport Facilities Mileage will also apply. For example, a customer wants to connect one 2.4 kbit/s channel on a DS0 to Subrate Multiplexer from Digital Hub A to a DS0 to Subrate Multiplexer in Digital Hub B. The customer would pay for two Central Office Multiplexer to Multiplexer Connecting Arrangements and Transport Facilities Mileage as set forth in 7.4.2.C., following.



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## **7. PRIVATE LINE ACCESS SERVICE**

### **7.3 SERVICE DESCRIPTIONS (Cont'd)**

#### **7.3.5 SIMULTANEOUS VOICE DATA SERVICE**

##### **A. Basic Description**

Simultaneous Voice Data Service (SVDS) provides two-point or multipoint transport of full-duplex, asynchronous or synchronous digital data, at speeds of 2.4, 4.8, 9.6 or 19.2 kbit/s, while simultaneously carrying analog voice traffic over a shared, qualified, two-wire exchange access line or Channel Connection facility. Subrate DS0 Service is also available. The actual bit rate is a function of the channel interface selected by the customer. The Channel Connection for SVDS is a derived channel of a customer's exchange access line.

SVDS is provided only when the customer's designated premises serving wire center is equipped with SVDS compatible equipment and where provisioning parameters are met. SVDS is provided between customer designated premises or between a customer designated premises and an SVDS equipped serving wire center[1].

A Subrated DS0 Service (HCO) transports multiple subrate digital data channels, i.e., twenty 2.4, ten 4.8, or five 9.6 kbit/s, between SVDS equipped serving wire centers.

Information pertaining to the technical specifications and compatible channel interfaces is set forth in the Technical Publications listed under the Reference to Technical Publications preceding.

[1] When SVDS is provided jointly, by the Company and another Local Exchange Telephone Company, the service is provisioned through a Digital Hub.

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**7. PRIVATE LINE ACCESS SERVICE**

**7.3 SERVICE DESCRIPTIONS**

**7.3.5 SIMULTANEOUS VOICE DATA SERVICE (Cont'd)**

**B. Terms and Conditions**

1. The terms and conditions specified herein, are in addition to other applicable terms and conditions specified elsewhere in this Catalog and the Exchange and Network Services Tariff.
2. The provision of SVDS is subject to the availability of facilities and equipment.
3. SVDS is furnished only in conjunction with services capable of transmitting voice over a qualified two-wire exchange access line or Channel Connection. The services are:
  - Individual business and residence exchange service
  - PBX trunks
  - *CENTRON*/Centrex - type lines
  - Outward WATS and 800 Services
4. SVDS is available on a month-to-month basis, with a minimum service and billing period of one month. SVDS is also available on a discount pricing basis for contract periods of (36) thirty-six through (84) eighty-four months. The minimum service and billing periods for the contract options are 36 through 84 months.
5. To qualify for discount pricing, the customer must have a minimum SVDS monthly billing of \$200.00.
6. A termination charge may apply if a customer falls below 80% of the billing level of the contract. The termination charge is as specified in 2.4.8, preceding.

If a customer completely cancels all or a portion of the contracted service at any time during the term of the contract, a termination charge may apply as specified in 2.4.8, preceding.

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## **7. PRIVATE LINE ACCESS SERVICE**

### **7.3 SERVICE DESCRIPTIONS**

#### **7.3.5 SIMULTANEOUS VOICE DATA SERVICE**

##### **B. Terms and Conditions (Cont'd)**

7. In any month, where the customer receives service generating a monthly billing amount greater than one hundred and twenty percent (120%) of the original contract billing level, the customer's contract billing level shall then increase to ninety percent (90%) of the new billing amount for the remainder of the term of the contract. The minimum billing level will be eighty percent (80%) of the contract billing level.
8. SVDS includes the Central Office Voice Data Multiplexer (CVDM) which is used to create the data channel between the customer location and the serving wire center.
9. It is the responsibility of the customer, or the customer's agent, to provide Remote Voice Data Multiplexers (RVDM) at the customer's premises. The RVDMs must be compatible with the Company's central office facilities and equipment, and are subject to interconnect/interface limitations specified in the appropriate Technical Publication.

##### **C. Optional Features and Functions**

###### **1. Bridging**

Bridging is an arrangement within an SVDS equipped serving wire center or Digital Hub[1], to connect three or more customer designated premises, to form multipoint configurations. On a multipoint circuit which combines SVDS and Digital Service, bridging for the Digital Service must be done in Digital Hub(s). It is not available with Subrated DS0.

[1] Bridging must be done in a Digital Hub, when the service is provided jointly by the Company and another Local Exchange Telephone Company.

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## **7. PRIVATE LINE ACCESS SERVICE**

### **7.3 SERVICE DESCRIPTIONS**

#### **7.3.5 SIMULTANEOUS VOICE DATA SERVICE**

##### **C. Optional Features and Functions (Cont'd)**

##### **2. Central Office DS0 to Subrate (DS0B to DS0A) Multiplexing**

An arrangement that provides a Company multiplexer which converts a Subrated DS0 (DS0B) channel containing up to twenty 2.4 kbit/s, ten 4.8 kbit/s, or five 9.6 kbit/s channels into individual 2.4, 4.8, or 9.6 kbit/s circuits, each utilizing time division multiplexing. Central Office DS0 to Subrate Multiplexing will only be connected to either a 64 kbit/s Digital Service Channel Connection or a High Capacity (DS1) Central Office Multiplexer.

The placement of SVDS Services onto an SVDS Central Office DS0 to Subrate Multiplexer will be provided in SVDS equipped serving wire centers. The placement of SVDS and Digital Service onto a Digital Service Central Office DS0 to Subrate Multiplexer will only be provided in Digital Hub(s).

A Subrated DS0 Service transports multiple digital data channels, i.e., twenty 2.4, ten 4.8, or five 9.6 kbit/s, between SVDS equipped serving wire centers, between a SVDS equipped serving wire center and a Digital Hub, or between Digital Hubs.

##### **3. Central Office Multiplexer to Multiplexer Connecting Arrangement**

##### **a. Subrate to Subrate**

An arrangement that allows a customer to connect an individual channel from one DS0 to Subrate Multiplexer to an individual channel of another DS0 to Subrate Multiplexer, within the same SVDS equipped serving wire center, at 2.4, 4.8 or 9.6 kbit/s.

In addition, this arrangement allows a customer to connect an individual channel from one DS0 to Subrate Multiplexer, to an individual channel of another DS0 to Subrate Multiplexer located in a different SVDS equipped serving wire center, at 2.4, 4.8 or 9.6 kbit/s. Transport Facilities Mileage applies between serving wire centers.

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**7.3 SERVICE DESCRIPTIONS**

**7.3.5 SIMULTANEOUS VOICE DATA SERVICE**

C.3. (Cont'd)

b. DS0 to DS0

An arrangement that allows a customer to connect an individual channel from one High Capacity (DS1) to DS0 Multiplexer to an individual channel of another DS1 to DS0 Multiplexer, for SVDS at 2.4, 4.8, 9.6 or 19.2 kbit/s, within the same Company designated wire center. In addition, this arrangement can be used to allow a customer to connect an individual channel of one DS1 to Voice Multiplexer, to another DS1 to Voice Multiplexer, within the same Company designated wire center. DS0 to DS0 can be used for 2.4, 4.8, 9.6, and 19.2 kbit/s.

In addition, this arrangement allows a customer to connect an individual channel from one DS1 to DS0 Multiplexer, to an individual channel of another DS1 to DS0 Multiplexer located in a different Company designated serving wire center. Transport Facilities Mileage applies between SVDS equipped serving wire centers.

- c. When a Central Office Multiplexer to Multiplexer Connecting Arrangement is made within the same SVDS equipped serving wire center, only one arrangement will apply. When a Central Office Multiplexer to Multiplexer Connecting Arrangement is made in different SVDS equipped serving wire centers, one arrangement will apply for each SVDS equipped serving wire center. Transport Facilities Mileage will also apply. For example, a customer wants to connect one 2.4 kbit/s channel on a DS0 to Subrate Multiplexer from SVDS equipped serving wire center A to a DS0 to Subrate Multiplexer in SVDS equipped serving center B. The customer would pay for two Central Office Multiplexer to Multiplexer Connecting Arrangements and Transport Facilities Mileage as set forth in 7.4.2.D., following.

D. Service Information

<b>SERVICE</b>	<b>NETWORK CHANNEL CODE</b>	(C) (C)
2.4 kbit/s	XA	(C)
4.8 kbit/s	XB	
9.6 kbit/s	XG	
19.2 kbit/s	XE	(C)

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Effective: 10-20-2000

## **7. PRIVATE LINE ACCESS SERVICE**

### **7.3 SERVICE DESCRIPTIONS (Cont'd)**

#### **7.3.6 HIGH CAPACITY**

##### **A. Basic Service Description**

High Capacity Service is for the transmission of nominal 64.0[1], 1.544 Mbit/s and above isochronous serial data. The actual bit rate is a function of the channel interface selected by the customer.

Information pertaining to the technical specifications and compatible channel interfaces are set forth in the Technical Publications listed under the Reference to Technical Publications, preceding.

##### **B. Terms and Conditions**

1. High Capacity Service can only be provided from wire centers equipped for digital transmission. This service is subject to the technical limitations of the CO equipment used by the Company.
2. A wire center may be equipped for digital transmission at the request of the customer. Special construction charges may apply depending on the circumstances in each case.
3. Special construction charges may apply to terminate service outside a base rate area.
4. All signals transmitted over High Capacity Service must be compatible with the Company's specifications and formats to preserve the integrity of the network.

[1] Available only as a channel of a 1.544 Mbit/s facility to a Company Digital Data hub or as a cross connect of two 2.4, 4.8, 9.6, 56 or 64.0 kbit/s channels of two 1.544 Mbit/s facilities at a Digital Data hub(s). The customer must provide system and channel assignment data.

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**7. PRIVATE LINE ACCESS SERVICE**

**7.3 SERVICE DESCRIPTIONS**

**7.3.6 HIGH CAPACITY (Cont'd)**

C. Optional Features and Functions

- Automatic Loop Transfer
- Transfer Arrangement
- Central Office Multiplexing
- Automatic Protection Switching
- D.C. Line Power[1]

D. Rates and Charges

This service is competitive in the private line market and is priced with the maximum flexible treatment, per Decision No. C87-1347, issued by the Public Utilities Commission of the State of Colorado.

[1] This option is applicable to 1.544 Mbit/s service and is provided only on existing services until December 18, 1989, in accordance with CC Docket 86-423, released October 23, 1987.

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Cancels First Revised Sheet 43

**7. PRIVATE LINE ACCESS SERVICE**

**7.4 RATES AND CHARGES**

**7.4.1 CHANNEL CONNECTION**

A. Narrowband Service, Voiceband/Data Service and Music Distribution Service

	<b>MONTHLY RATE</b>	(C)
• Two-wire	\$ 5.41	 (C)
• Four-wire[2]	10.33	
• Derived[3]	—	

B. Digital Service

• Four-wire		
- 2.4 kbps	12.79	 (C)
- 4.8 kbps	12.79	
- 9.6 kbps	12.79	
- 19.2 kbps	18.00	
- 56 kbps	50.18	
- 64 kbps	18.00	

C. High Capacity

The rates and charges will be developed on an individual case basis.

[1] This sheet cancels the following sheets: Original Sheets 44 and 45.

[2] Not applicable to Music Distribution Service.

[3] Applicable only to Simultaneous Voice Data Service.



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**7. PRIVATE LINE ACCESS SERVICE**

**7.4 RATES AND CHARGES (Cont'd)**

**7.4.2 TRANSPORT FACILITIES**

Not applicable to Data Non-Load Service (Local Area Data), as Data Non-Load only applies to the same wire center.

A. Narrowband Service and Voiceband/Data Service

	<b>MONTHLY RATE</b>	(C)
• 0 Miles (Band 1)		
- Fixed	—	(C)
• Over 0 to 4 Miles (Band 2)		
- Fixed	\$ 8.86	(C)
- Per mile	2.21	(C)
• Over 4 to 8 Miles (Band 3)		
- Fixed	9.84	(C)
- Per mile	2.07	(C)
• Over 8 to 25 Miles (Band 4)		
- Fixed	14.76	(C)
- Per mile	1.92	(C)
• Over 25 to 50 Miles (Band 5)		
- Fixed	24.60	(C)
- Per mile	1.77	(C)
• Over 50 Miles (Band 6)		
- Fixed	44.28	(C)
- Per mile	1.48	(C)

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**7. PRIVATE LINE ACCESS SERVICE**

**7.4 RATES AND CHARGES**

**7.4.2 TRANSPORT FACILITIES (Cont'd)**

**B. Music Distribution Service**

**1. 200 to 3500 Hz**

	<b>MONTHLY RATE</b>	<b>(C)</b>
• 0 Miles (Band 1)		
- Fixed	-	(C)
• Over 0 to 4 Miles (Band 2)		
- Fixed	\$ 8.86	(C)
- Per mile	2.21	(C)
• Over 4 to 8 Miles (Band 3)		
- Fixed	9.84	(C)
- Per mile	2.07	(C)
• Over 8 to 25 Miles (Band 4)		
- Fixed	14.76	(C)
- Per mile	1.92	(C)
• Over 25 to 50 Miles (Band 5)		
- Fixed	24.60	(C)
- Per mile	1.77	(C)
• Over 50 Miles (Band 6)		
- Fixed	44.28	(C)
- Per mile	1.48	(C)

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**7. PRIVATE LINE ACCESS SERVICE**

**7.4 RATES AND CHARGES**

**7.4.2 TRANSPORT FACILITIES**

**B. Music Distribution Service (Cont'd)**

**2. 100 to 5000 Hz**

	<b>MONTHLY RATE</b>	<b>(C)</b>
• 0 Miles (Band 1)		
- Fixed	-	(C)
• Over 0 to 4 Miles (Band 2)		
- Fixed	\$ 19.68	(C)
- Per mile	2.71	(C)
• Over 4 to 8 Miles (Band 3)		
- Fixed	27.06	(C)
- Per mile	2.46	(C)
• Over 8 to 25 Miles (Band 4)		
- Fixed	32.47	(C)
- Per mile	2.21	(C)
• Over 25 to 50 Miles (Band 5)		
- Fixed	59.03	(C)
- Per mile	1.97	(C)
• Over 50 Miles (Band 6)		
- Fixed	108.23	(C)
- Per mile	1.72	(C)

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**7. PRIVATE LINE ACCESS SERVICE**

**7.4 RATES AND CHARGES**

**7.4.2 TRANSPORT FACILITIES**

**B. Music Distribution Service (Cont'd)**

**3. 50 to 8000 Hz**

	<b>MONTHLY RATE</b>	<b>(C)</b>
• 0 Miles (Band 1)		
- Fixed	—	(C)
• Over 0 to 4 Miles (Band 2)		
- Fixed	\$ 31.48	(C)
- Per mile	3.20	(C)
• Over 4 to 8 Miles (Band 3)		
- Fixed	34.50	(C)
- Per mile	2.95	(C)
• Over 8 to 25 Miles (Band 4)		
- Fixed	44.28	(C)
- Per mile	2.71	(C)
• Over 25 to 50 Miles (Band 5)		
- Fixed	88.55	(C)
- Per mile	2.46	(C)
• Over 50 Miles (Band 6)		
- Fixed	157.42	(C)
- Per mile	2.21	(C)

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**7. PRIVATE LINE ACCESS SERVICE**

**7.4 RATES AND CHARGES**

**7.4.2 TRANSPORT FACILITIES**

**B. Music Distribution Service (Cont'd)**

**4. 50 to 15000 Hz**

	<b>MONTHLY RATE</b>	<b>(C)</b>
• 0 Miles (Band 1)		
- Fixed	-	(C)
• Over 0 to 4 Miles (Band 2)		
- Fixed	\$ 59.03	(C)
- Per mile	5.90	(C)
• Over 4 to 8 Miles (Band 3)		
- Fixed	65.92	(C)
- Per mile	4.43	(C)
• Over 8 to 25 Miles (Band 4)		
- Fixed	73.79	(C)
- Per mile	3.94	(C)
• Over 25 to 50 Miles (Band 5)		
- Fixed	172.18	(C)
- Per mile	3.69	(C)
• Over 50 Miles (Band 6)		
- Fixed	295.17	(C)
- Per mile	3.44	(C)

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**7. PRIVATE LINE ACCESS SERVICE**

**7.4 RATES AND CHARGES**

**7.4.2 TRANSPORT FACILITIES (Cont'd)**

C. Digital Service

	<b>MONTHLY RATE</b>	<b>(C)</b>
1. 2.4 kbit/s		
• 0 Miles (Band 1)		
- Fixed	\$ 88.55	(C)
• Over 0 to 23 Miles (Band 2)		
- Fixed	98.39	(C)
- Per mile	0.59	(C)
• Over 23 (Band 3)		
- Fixed	226.30	(C)
- Per mile	0.98	(C)
2. 4.8 kbit/s		
• 0 Miles (Band 1)		
- Fixed	88.55	(C)
• Over 0 to 23 Miles (Band 2)		
- Fixed	98.39	(C)
- Per mile	0.69	(C)
• Over 23 (Band 3)		
- Fixed	226.30	(C)
- Per mile	1.43	(C)

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**7. PRIVATE LINE ACCESS SERVICE**

**7.4 RATES AND CHARGES**

**7.4.2 TRANSPORT FACILITIES**

C. Digital Service (Cont'd)

	<b>MONTHLY RATE</b>	<b>(C)</b>
3. 9.6 kbit/s		
• 0 Miles (Band 1)		
- Fixed	\$102.33	(C)
• Over 0 to 23 Miles (Band 2)		
- Fixed	182.02	(C)
- Per mile	0.84	(C)
• Over 23 (Band 3)		
- Fixed	348.30	(C)
- Per mile	2.64	(C)
4. 19.2 kbit/s		
• 0 Miles (Band 1)		
- Fixed	-	(C)
• Over 0 to 23 Miles (Band 2)		
- Fixed	55.00	(C)
- Per mile	0.95	(C)
• Over 23 (Band 3)		
- Fixed	55.00	(C)
- Per mile	0.95	(C)

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**7. PRIVATE LINE ACCESS SERVICE**

**7.4 RATES AND CHARGES**

**7.4.2 TRANSPORT FACILITIES**

C. Digital Service (Cont'd)

	<b>MONTHLY RATE</b>	(C)
5. 56 kbit/s		(C)
• 0 Miles (Band 1)		
- Fixed	\$220.39	(C)
• Over 0 to 23 Miles (Band 2)		
- Fixed	285.33	(C)
- Per mile	3.15	(C)
• Over 23 (Band 3)		
- Fixed	377.82	(C)
- Per mile	7.63	(C)
6. 64 kbit/s and Subrated DS0		
• 0 Miles (Band 1)		
- Fixed	-	(C)
• Over 0 to 23 Miles (Band 2)		
- Fixed	55.00	(C)
- Per mile	0.95	(C)
• Over 23 (Band 3)		
- Fixed	55.00	(C)
- Per mile	0.95	(C)



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**7. PRIVATE LINE ACCESS SERVICE**

**7.4 RATES AND CHARGES**

**7.4.2 TRANSPORT FACILITIES (Cont'd)**

**D. Simultaneous Voice Data Service**

**1. Month-to-Month**

	<b>MONTHLY RATE</b>	<b>(C)</b>
• 0 Miles (Band 1)		
- Fixed	-	(C)
• Over 0 to 4 Miles (Band 2)		
- Fixed	\$19.00	(C)
- Per mile	2.54	(C)
• Over 4 to 8 Miles (Band 3)		
- Fixed	19.00	(C)
- Per mile	2.38	(C)
• Over 8 to 25 Miles (Band 4)		
- Fixed	21.60	(C)
- Per mile	2.21	(C)
• Over 25 to 50 Miles (Band 5)		
- Fixed	25.85	(C)
- Per mile	2.04	(C)
• Over 50 Miles (Band 6)		
- Fixed	42.85	(C)
- Per mile	1.70	(C)

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**7. PRIVATE LINE ACCESS SERVICE**

**7.4 RATES AND CHARGES**

**7.4.2 TRANSPORT FACILITIES**

D. Simultaneous Voice Data Service (Cont'd)

2. 36-59 Months

	<b>MONTHLY RATE</b>	(C)
• 0 Miles (Band 1)		
- Fixed	-	(C)
• Over 0 to 4 Miles (Band 2)		
- Fixed	\$17.10	(C)
- Per mile	2.29	(C)
• Over 4 to 8 Miles (Band 3)		
- Fixed	17.10	(C)
- Per mile	2.14	(C)
• Over 8 to 25 Miles (Band 4)		
- Fixed	19.44	(C)
- Per mile	1.99	(C)
• Over 25 to 50 Miles (Band 5)		
- Fixed	23.27	(C)
- Per mile	1.84	(C)
• Over 50 Miles (Band 6)		
- Fixed	38.57	(C)
- Per mile	1.53	(C)

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**7. PRIVATE LINE ACCESS SERVICE**

**7.4 RATES AND CHARGES**

**7.4.2 TRANSPORT FACILITIES**

D. Simultaneous Voice Data Service (Cont'd)

3. 60-84 Months

	<b>MONTHLY RATE</b>	(C)
• 0 Miles (Band 1)		
- Fixed	-	(C)
• Over 0 to 4 Miles (Band 2)		
- Fixed	\$16.15	(C)
- Per mile	2.16	(C)
• Over 4 to 8 Miles (Band 3)		
- Fixed	16.15	(C)
- Per mile	2.02	(C)
• Over 8 to 25 Miles (Band 4)		
- Fixed	18.36	(C)
- Per mile	1.88	(C)
• Over 25 to 50 Miles (Band 5)		
- Fixed	21.97	(C)
- Per mile	1.73	(C)
• Over 50 Miles (Band 6)		
- Fixed	36.42	(C)
- Per mile	1.45	(C)

E. High Capacity

The rates and charges will be developed on an individual case basis.

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**7. PRIVATE LINE ACCESS SERVICE**

**7.4 RATES AND CHARGES (Cont'd)**

**7.4.3 CHANNEL TRANSMISSION PARAMETER(S)**

A. Narrowband Service

1. Two-Wire

	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	<b>(C)</b>
• Channel Transmission Parameter(s) two-point connection, Narrowband A			
- Per termination, Intra wire center	\$203.00	\$1.48	(C)
- Per termination, Inter wire center	244.00	1.48	(C)
• Channel Transmission Parameter(s) multipoint connection, Narrowband A			
- Per termination, Intra wire center	252.00	1.48	(C)
- Per termination, Inter wire center	312.00	1.48	(C)
• Channel Transmission Parameter(s), Narrowband B			
- Per termination, two-point	300.00	5.90	(C)
- Per termination, multipoint	395.00	5.90	(C)

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**7. PRIVATE LINE ACCESS SERVICE**

**7.4 RATES AND CHARGES**

**7.4.3 CHANNEL TRANSMISSION PARAMETER(S)**

A. Narrowband Service (Cont'd)

2. Four-Wire

	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	<b>(C)</b>
• Channel Transmission Parameter(s), Narrowband B			
- Per termination, two-point	\$300.00	\$5.90	(C)
- Per termination, multipoint	395.00	5.90	(C)
• Circuit Configuration Change of two-point to multipoint or multipoint to two-point, per circuit, per occurrence[1]	205.00	—	(C)

[1] For application, refer to 7.2.2.A.2.a.(4), preceding.

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**7. PRIVATE LINE ACCESS SERVICE**

**7.4 RATES AND CHARGES**

**7.4.3 CHANNEL TRANSMISSION PARAMETER(S) (Cont'd)**

B. Voiceband/Data Service

1. Two-Wire

	NONRECURRING CHARGE	MONTHLY RATE	(C)
• Channel Transmission Parameter(s) two-point connection, per termination			
- Voice A	\$265.00	\$ 3.44	(C)
- Voice B	232.00	4.43	
- Voice C	255.00	4.92	
- Voice D, customer premises to customer premises	294.00	13.77	(C)
- Voice D, customer premises to wire center	226.00	12.30	(C)
- Voice D, wire center to wire center	159.00	10.82	(C)
- Data	329.00	9.84	(C)
• Channel Transmission Parameter(s) multipoint connection, per termination			
- Voice A	361.00	3.44	(C)
- Voice B	300.00	4.43	
- Data	422.00	9.84	(C)
• Circuit Configuration Change of two-point to multipoint or multipoint to two-point, per circuit, per occurrence[1]	358.00	-	(C)

[1] For application, refer to 7.2.2.A.2.a.(4), preceding.

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**7. PRIVATE LINE ACCESS SERVICE**

**7.4 RATES AND CHARGES**

**7.4.3 CHANNEL TRANSMISSION PARAMETER(S)**

B. Voiceband/Data Service (Cont'd)

2. Four-Wire

	NONRECURRING CHARGE	MONTHLY RATE	(C)
• Channel Transmission Parameter(s) two-point connection, per termination			
- Voice A	\$311.00	\$13.28	(C)
- Voice B	330.00	14.27	
- Voice C	338.00	15.25	
- Voice D, customer premises to customer premises	294.00	13.76	(C)
- Voice D, customer premises to wire center	226.00	12.30	(C)
- Voice D, wire center to wire center	159.00	10.82	(C)
- Data	345.00	19.68	(C)
• Channel Transmission Parameter(s) multipoint connection, per termination			
- Voice A	427.00	13.28	(C)
- Voice B	405.00	14.27	
- Data	453.00	19.68	(C)
• Circuit Configuration Change of two-point to multipoint or multipoint to two-point, per circuit, per occurrence[1]	400.00	-	(C)

[1] For application, refer to 7.2.2.A.2.a.(4), preceding.

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**7. PRIVATE LINE ACCESS SERVICE**

**7.4 RATES AND CHARGES**

**7.4.3 CHANNEL TRANSMISSION PARAMETER(S) (Cont'd)**

D. Music Distribution Service

	NONRECURRING CHARGE	MONTHLY RATE	(C)
1. Two-Wire			
• Channel Transmission Parameter(s) two-point connection, per termination			
- 200 to 3500 Hz	\$231.00	\$ 3.44	(C)
- 100 to 5000 Hz	388.00	9.59	
- 50 to 8000 Hz	388.00	12.05	
- 50 to 15000 Hz	388.00	27.55	(C)
• Channel Transmission Parameter(s) multipoint connection, per termination			
- 200 to 3500 Hz	279.00	3.44	(C)
- 100 to 5000 Hz	459.00	9.59	
- 50 to 8000 Hz	459.00	12.05	
- 50 to 15000 Hz	459.00	27.55	(C)
• Circuit Configuration Change of two-point to multipoint or multipoint to two-point, per circuit, per occurrence[1]	237.00	-	(C)

[1] For application, refer to 7.2.2.A.2.a.(4), preceding.



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**7. PRIVATE LINE ACCESS SERVICE**

**7.4 RATES AND CHARGES**

**7.4.3 CHANNEL TRANSMISSION PARAMETER(S) (Cont'd)**

E. Digital Service

1. Four-wire

	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	<b>(C)</b>
• Channel Transmission Parameter(s) two-point connection, per termination			
- 2.4 kbit/s	\$386.00	\$41.32	(C)
- 4.8 kbit/s	386.00	41.32	
- 9.6 kbit/s	386.00	41.32	
- 19.2 kbit/s	386.00	62.00	
- 56 kbit/s	386.00	56.08	
- 64 kbit/s	386.00	72.00	(C)
• Channel Transmission Parameter(s) multipoint connection, per termination			
- 2.4 kbit/s	453.00	41.32	(C)
- 4.8 kbit/s	453.00	41.32	
- 9.6 kbit/s	453.00	41.32	
- 19.2 kbit/s	453.00	62.00	
- 56 kbit/s	453.00	56.08	(C)
• Circuit Configuration Change of two-point to multipoint or multipoint to two-point, per circuit, per occurrence[1]	400.00	-	(C)

[1] For application, refer to 7.2.2.A.2.a.(4), preceding.

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**7. PRIVATE LINE ACCESS SERVICE**

**7.4 RATES AND CHARGES**

**7.4.3 CHANNEL TRANSMISSION PARAMETER(S) (Cont'd)**

F. Simultaneous Voice Data Service

	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	<b>(C)</b>
1. Channel Transmission Parameter(s), per termination			
• 2.4 kbit/s			
- Month-to-month	\$250.00	\$18.00	(C)
- 36-59 months	250.00	18.00	 (C)
- 60-84 months	250.00	18.00	(C)
• 4.8 kbit/s			
- Month-to-month	250.00	23.00	(C)
- 36-59 months	250.00	21.00	 (C)
- 60-84 months	250.00	19.00	(C)
• 9.6 kbit/s			
- Month-to-month	250.00	26.00	(C)
- 36-59 months	250.00	23.00	 (C)
- 60-84 months	250.00	20.00	(C)
• 19.2 kbit/s			
- Month-to-month	250.00	32.00	(C)
- 36-59 months	250.00	28.00	 (C)
- 60-84 months	250.00	24.00	(C)

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**7. PRIVATE LINE ACCESS SERVICE**

**7.4 RATES AND CHARGES (Cont'd)**

**7.4.4 OPTIONAL FEATURES AND FUNCTIONS**

A. Narrowband Services

	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	<b>(C)</b>
1. Bridging, per port			
• Narrowband A - Two-wire	[1]	–	(C)
• Narrowband B - Two-wire	[1]	\$3.94	(C)
- Four-wire	[1]	3.94	(C)

[1] For application of nonrecurring charges, refer to 7.2.2.A.3.c., preceding.

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**7.4 RATES AND CHARGES**

**7.4.4 OPTIONAL FEATURES AND FUNCTIONS (Cont'd)**

B. Voiceband/Data Service

1. Signaling[1]

	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	<b>(C)</b>
• Automatic ringdown (PLAR), per termination	[2]	\$3.20	(C)
• Loop Type Signaling Arrangements, per termination	[2]	3.20	(C)
• E&M Signaling Arrangements, per termination	[2]	3.94	(C)
• Single Frequency Signaling, per termination	[2]	3.94	(C)
• Reverse Battery Signaling, per termination	[2]	3.94	(C)
• Tandem Signaling, per termination	[2]	3.94	(C)
• Ground Start, per termination	[2]	3.94	(C)

[1] Availability is as specified in Technical Publications listed under the Reference to Technical Publications, preceding.

[2] For application of nonrecurring charges, refer to 7.2.2.A.3.c., preceding.

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**7.4 RATES AND CHARGES**

**7.4.4 OPTIONAL FEATURES AND FUNCTIONS**

**B. Voiceband/Data Service (Cont'd)**

**2. Multipoint Bridging[1]**

	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	<b>(C)</b>
• Voice Bridging, per port			
- Two-wire	—	\$4.18	(C)
- Four-wire	—	4.18	(C)
• Data Bridging, per port			
- Two-wire	—	6.15	(C)
- Four-wire	—	6.15	(C)
• Telephoto Bridging, per port			
- Two-wire	—	4.18	(C)
- Four-wire	—	4.18	(C)

[1] Not applicable to Voice D services.

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**7.4 RATES AND CHARGES**

**7.4.4 OPTIONAL FEATURES AND FUNCTIONS**

B.2. (Cont'd)

	NONRECURRING CHARGE	MONTHLY RATE	(C)
• Telemetry and Alarm Bridging[1]			
- Split Band, Active Bridging			
- Per channel connected, two-wire	-	\$ 7.00	(C)
- Per channel connected, four-wire	-	7.00	(C)
- Summation, Active Bridging			
- Per channel connected, two-wire	-	3.50	(C)
- Per channel connected, four-wire	-	3.50	(C)
- Passive Bridging			
- Per channel connected, two-wire	-	3.50	(C)
- Per channel connected, four-wire	-	3.50	(C)
3. Conditioning			
• Type C, per point of termination	\$38.00	24.60	(C)
• Type D, per point of termination	38.00	9.84	(C)
• Telephoto, per point of termination	38.00	9.84	(C)

[1] Applicable to VG5 only.

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**7. PRIVATE LINE ACCESS SERVICE**

**7.4 RATES AND CHARGES**

**7.4.4 OPTIONAL FEATURES AND FUNCTIONS**

**B. Voiceband/Data Service (Cont'd)**

	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	<b>(C)</b>
4. Improved Return Loss, per termination			
• Effective two-wire transmission	\$13.00	\$ 4.00	(C)
• Effective four-wire transmission	13.00	4.00	(C)
5. Four-Wire/Two-Wire Conversions or Two-Wire/Four-Wire Conversions (Hybrid Option), per termination	13.00	15.00	(C)
6. Customer Specified Receive Level, per four-wire point of termination[1]	—	—	(C)

[1] Applicable to VG1 through VG12 only.

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**7.4 RATES AND CHARGES**

**7.4.4 OPTIONAL FEATURES AND FUNCTIONS (Cont'd)**

C. Music Distribution Service

	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	<b>(C)</b>
• Bridging Distribution Amplifier[1]			
- Group of first 12 ports	–	\$64.94	(C)
- Each additional port	–	5.41	(C)
• Gain Conditioning, per service[1]	\$24.00	19.68	(C)
• Stereo, per service[1]	13.00	–	(C)

[1] For application of nonrecurring charges, refer to 7.2.2.A.3.c., preceding.

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**7.4 RATES AND CHARGES**

**7.4.4 OPTIONAL FEATURES AND FUNCTIONS (Cont'd)**

D. Digital Service

	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	<b>(C)</b>
1. Bridging, per port	[1]	\$19.68	(C)
2. Loop Transfer Arrangement			
• Per four port arrangement, Key Activated[2,3]	\$88.00	73.79	(C)
• Per four port arrangement, Dial Up[4]	88.00	73.79	(C)
3. Controller Arrangement, per arrangement[5]	[1]	8.86	(C)

[1] For application of nonrecurring charges, refer to 7.2.2.A.3.c., preceding.

[2] The key activated control channel is rated as a Narrowband Channel Connection, Channel Transmission Parameter(s) and Transport Facilities if applicable.

[3] An additional Channel Connection and Channel Transmission Parameter charge will apply whenever a spare channel is configured as a leg to the customer's premises. Additional Transport Facilities charges will also apply when the transfer arrangement is not located in the customer premises serving wire center.

[4] The Dial-Up option requires the customer to purchase the Controller Arrangement (USOC XCQ) listed above in 7.4.4.D.3., with the specifications in 7.2.1.F., preceding.

[5] The Controller Arrangement must be located in the same Company CO as the transfer functions it controls.

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**7.4 RATES AND CHARGES**

**7.4.4 OPTIONAL FEATURES AND FUNCTIONS**

D. Digital Service (Cont'd)

4. Central Office Multiplexing

	NONRECURRING CHARGE	MONTHLY RATE	(C)
• Digital Connecting Facility, per arrangement[1,2]	-	\$ 8.00	(C)
• DS1 to DS0, per arrangement[3]	\$174.00	195.00	(C)
• DS0 to Subrates, per arrangement[4]			
- Up to 20 2.4 kbit/s services	89.00	150.00	(C)
- Up to 10 4.8 kbit/s services	71.00	85.00	 (C)
- Up to 5 9.6 kbit/s services	71.00	65.00	(C)

[1] This charge applies in addition to the DS1 to DS0 multiplexing rates and charges.

[2] Channel Connection and Channel Transmission Parameter(s) rate elements are applicable only to the subrated facilities.

[3] This charge applies in addition to one of the DS0 subrates multiplexing rates and charges.

[4] The nonrecurring charge applies when this feature is ordered subsequent to the initial installation of service unless other work is performed which results in the application of a Channel Transmission Parameter(s) nonrecurring charge.

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**7.4 RATES AND CHARGES**

**7.4.4 OPTIONAL FEATURES AND FUNCTIONS**

D. Digital Service (Cont'd)

	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	<b>(C)</b>
5. Central Office Multiplexer to Multiplexer Connecting Arrangement, per arrangement			
• Subrate to Subrate	\$ 12.00	\$10.00	(C)
• Subrate to Subrate with Secondary Channel	12.00	10.00	(C)
• DS0 to DS0	12.00	10.00	(C)
• DS0 to DS0 with Secondary Channel	12.00	10.00	(C)
6. Secondary Channel, per point of termination[1]	100.00	15.00	(C)

[1] The nonrecurring charge applies when this feature is ordered subsequent to the initial installation of service unless other work is performed which results in the application of a Channel Transmission Parameter(s) nonrecurring charge.

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**7. PRIVATE LINE ACCESS SERVICE**

**7.4 RATES AND CHARGES**

**7.4.4 OPTIONAL FEATURES AND FUNCTIONS (Cont'd)**

E. Simultaneous Voice Data Service

	NONRECURRING CHARGE	MONTHLY RATE	(C)
1. Bridging, per port			
• Month-to-month	—	\$ 4.50	(C)
• 36-59 months	—	4.00	 (C)
• 60-84 months	—	3.80	(C)
2. Central Office Multiplexing, per arrangement			
DS0 to Subrates			
• Month-to-Month			
- Up to 20 2.4 kbit/s services	\$100.00	90.00	(C)
- Up to 10 4.8 kbit/s services	90.00	80.00	 (C)
- Up to 5 9.6 kbit/s services	80.00	70.00	(C)
• 36 to 59 Months			
- Up to 20 2.4 kbit/s services	100.00	85.00	(C)
- Up to 10 4.8 kbit/s services	90.00	75.00	 (C)
- Up to 5 9.6 kbit/s services	80.00	65.00	(C)
• 60 to 84 Months			
- Up to 20 2.4 kbit/s services	100.00	80.00	(C)
- Up to 10 4.8 kbit/s services	90.00	70.00	 (C)
- Up to 5 9.6 kbit/s services	80.00	60.00	(C)

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**7. PRIVATE LINE ACCESS SERVICE**

**7.4 RATES AND CHARGES**

**7.4.4 OPTIONAL FEATURES AND FUNCTIONS**

**E. Simultaneous Voice Data Service (Cont'd)**

	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	<b>(C)</b>
3. Central Office Multiplexer to Multiplexer Connecting Arrangement, per arrangement			
• Subrate to Subrate	[1]	[1]	(C)
• DS0 to DS0	[1]	[1]	(C)
<b>F. High Capacity</b>			
• Automatic Loop Transfer			
• Transfer Arrangement			
• Central Office Multiplexing			
• Automatic Protection Switching			
• D.C. Line Power[2]			

Optional Features and Functions available where determined by the Company to be technically feasible.

The rates and charges will be developed on an individual case basis.

[1] Rates and charges are specified in 7.4.4.D. for Digital Service.

[2] This option is applicable to 1.544 Mbps service and is provided only on existing services until December 18, 1989, in accordance with CC Docket 86-423, released October 23, 1987.

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**107. OBSOLETE PRIVATE LINE ACCESS SERVICE**

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Entrance Facilities.....	3
General.....	1
Service Descriptions .....	2
Voiceband/Data Service.....	2

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**107. OBSOLETE PRIVATE LINE ACCESS SERVICE**

**107.1 GENERAL**

Obsolete Services are certain items of service and equipment previously offered elsewhere. Due to obsolescence, these items are no longer suitable to meet current needs of the general public. They will not be furnished as new items of service to any customer or applicant except where they are required to fully utilize the installed common equipment capacities of existing systems.

At the discretion of the Company, the items of service and equipment listed herein which were furnished prior to the date such items became obsolete, hereunder may be continued in service only if they remain on the same premises and the Company is able to maintain such items without unreasonable expense and is able to obtain repair parts from existing or recovered stock.

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**107. OBSOLETE PRIVATE LINE ACCESS SERVICE**

**107.3 SERVICE DESCRIPTIONS**

**107.3.2 VOICEBAND/DATA SERVICE**

A. Optional Features and Functions

1. Signaling Arrangements

- a. At the customer's option, the following signaling arrangements are available as Features and Functions.

	<b>USOC</b>	<b>MONTHLY RATE</b>
• Duplex Signaling		
- Per termination	XSSDX	\$4.00
- Per termination	XSSDY	4.00



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**107. OBSOLETE PRIVATE LINE ACCESS SERVICE**

**107.3 SERVICE DESCRIPTIONS (Cont'd)**

**107.3.15 ENTRANCE FACILITIES**

A. Types and Descriptions

1. Entrance Facilities Channels are furnished by the Company for the purpose of extending customer-provided communications systems to a premises of the customer. Channels are furnished for half-duplex or duplex operation on a two-point basis for service 7 days per week, 24 hours per day, for a minimum period of one month.
  - a. Approximate bandwidth of 300-3000 Hertz. Furnished to the extent permitted by the normal transmission characteristics of this grade of channel, for types of transmission similar to those set forth for Narrowband, Voiceband/Data Circuits (EFC).

B. Terms and Conditions

1. In addition to the terms and conditions set forth in this Catalog, the following condition applies to Entrance Facilities channels as specified below:
  - a. The customer's premises must be located 25 airline miles or less from the point at which the customer-provided communication channel is connected to the Company entrance facility.

C. Rates and Charges

Rates for entrance facilities will be filed in this section of the catalog on an individual case basis.

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
• Entrance Facility channel, duplex, between 18 E. Arvada St. and 2126 N. Weber St., Colorado Springs, Colorado, one channel	VALBE	\$1,087.10	\$81.58

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**107. OBSOLETE PRIVATE LINE ACCESS SERVICE**

**107.3 SERVICE DESCRIPTIONS**

**107.3.15 ENTRANCE FACILITIES**

C. Rates and Charges (Cont'd)

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
<ul style="list-style-type: none"> <li>• Entrance Facility channel, duplex, between Montrose Memorial Hospital and the Colorado State Patrol equipment building, Montrose, Colorado, one channel</li> </ul>	VALBH	\$1,087.10	\$ 84.22
<ul style="list-style-type: none"> <li>• Entrance Facility channel, duplex, between Colorado State Patrol Equipment Building and Colorado Division of Wildlife Office, Montrose, Colorado, one channel</li> </ul>	VALBT	872.45	117.11
<ul style="list-style-type: none"> <li>• Entrance Facility channel, duplex, between Delta County Court House and Garnet Mesa transmitter site, one channel</li> </ul>	VALCA	1,281.50	107.91
<ul style="list-style-type: none"> <li>• Entrance Facility channel, duplex, between 4201 E. Arkansas Ave. and 2002 S. Colorado Blvd., Denver, Colorado. Maximum of two channels, per channel</li> </ul>	VALCF	267.00	78.94

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**107. OBSOLETE PRIVATE LINE ACCESS SERVICE**

**107.3 SERVICE DESCRIPTIONS**  
**107.3.15 ENTRANCE FACILITIES**  
C. Rates and Charges (Cont'd)

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
<ul style="list-style-type: none"> <li>• Entrance Facility channel, duplex, between 8324 County Road 6 and 15999 Hwy 14, Sterling Colorado. Maximum of two channels, per channel</li> </ul>	VALCL	\$ 185.80	\$261.33
<ul style="list-style-type: none"> <li>• Entrance Facility channel, duplex, between Nat'l Weather Service at Walker Field and State Highway Department at 606 S. Ninth, Grand Junction, Colorado, one channel</li> </ul>	VALDA	1,470.50	191.00
<ul style="list-style-type: none"> <li>• Entrance Facility channel, duplex, between Nat'l Weather Service at 2490 S. State Ave. and State Highway Department at 1205 West Ave., Alamosa, Colorado, one channel</li> </ul>	VALDC	1,124.50	72.57
<ul style="list-style-type: none"> <li>• Entrance Facility channel, duplex, between Nat'l Weather Service at 10230 Smith Rd. and 4201 E. Arkansas Ave., Denver, Colorado. Maximum of two channels, per channel</li> </ul>	VALDG	1,297.50	160.67

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**8. RESERVED FOR FUTURE USE**

(C)

(D)

[1] This page cancels Sections 8 and 108 in their entirety.

(N)

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**9. PRIVATE LINE FEDERAL GOVERNMENT ACCESS SERVICES**

<b>SUBJECT</b>	<b>SHEET</b>
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Facility Availability .....	2
Federal Government Regulations.....	2
General .....	1
Intervals to Provide Service .....	2
Mileage Application.....	6
Move Charges .....	7
Rates and Charges.....	6
Safeguarding of Service .....	2
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Type and Description .....	3

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## **9. PRIVATE LINE FEDERAL GOVERNMENT ACCESS SERVICES**

### **9.1 GENERAL**

This section covers Private Line Access Services that are provided to a customer for use only by agencies or by 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 Company or customer.

### **9.2 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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**9. PRIVATE LINE FEDERAL GOVERNMENT ACCESS SERVICES**

**9.3 INTERVALS TO PROVIDE SERVICE**

Services provided under the provisions of this section of the Catalog are provided on an individual case basis. Therefore, orders for such service shall be placed under the Negotiated Interval provisions set forth in 5.2.1.B., preceding.

**9.4 SAFEGUARDING OF SERVICE**

**9.4.1 FACILITY AVAILABILITY**

In order to insure communications during periods of emergency, the 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 Company may utilize government-owned facilities, when necessary to provide service.

**9.5 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 Catalog to provide their services to the Federal Government.

**9.6 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 Catalog.

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**9. PRIVATE LINE FEDERAL GOVERNMENT ACCESS SERVICES**

**9.6 SERVICE OFFERINGS TO THE FEDERAL GOVERNMENT (Cont'd)**

**9.6.1 TYPE AND DESCRIPTION**

A. Voiceband/Data Private Line Access Services

1. Voiceband 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 (references 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  
 $\pm 1$  dB between 1,000 Hz and 40,000 Hz  
 $\pm 2$  dB between 10 Hz and 50,000 Hz  
(+ means more loss)

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



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**9. PRIVATE LINE FEDERAL GOVERNMENT ACCESS SERVICES**

**9.6 SERVICE OFFERINGS TO THE FEDERAL GOVERNMENT**

**9.6.1 TYPE AND DESCRIPTION**

A. Voiceband/Data Private Line Access Services (Cont'd)

2. Voiceband Secure Communications Type II

Approximate bandwidth 10-50,000 Hz. Furnished on four-wire metallic facilities for duplex operation for two-point secure communications between a customer's terminal 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 Voiceband Secure Communications Type I services without additional conditioning. Voice frequency signaling or supervisory tones can be transmitted.

3. Voiceband 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 Voiceband Secure Communications Type I service without additional conditioning; from an end user's premises to the switch shall be the same as Voiceband Secure Communications Type I services with additional conditioning. Voice frequency signaling or supervisory tones can be transmitted.

4. Voiceband Secure Communications Type IV

Approximate bandwidth 10-50,000 Hz. Furnished on four-wire metallic facilities for duplex operation for two-point secure communications 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 Voiceband Secure Communications Type I services with additional conditioning. Voice frequency signaling or supervisory tones can be transmitted.

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**9. PRIVATE LINE FEDERAL GOVERNMENT ACCESS SERVICES**

**9.6 SERVICE OFFERINGS TO THE FEDERAL GOVERNMENT**

**9.6.1 TYPE AND DESCRIPTION (Cont'd)**

**B. Wideband Digital Private Line 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.

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

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**9. PRIVATE LINE FEDERAL GOVERNMENT ACCESS SERVICES**

**9.6 SERVICE OFFERINGS TO THE FEDERAL GOVERNMENT (Cont'd)**

**9.6.2 MILEAGE APPLICATION**

Mileage, when used for rate application between two customer designated premises, shall be determined by the V and H Coordinates Method as set forth in the National Exchange Carrier Association Tariff, F.C.C. No. 4. and administered as set forth in 7.2.2.C., preceding.

(T)

**9.6.3 RATES AND CHARGES**

A. Voiceband/Data Private Line Access Services

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

**RATES  
AND CHARGES**

- Voiceband Secure Communications[1]
  - Type I, each T-3 Conditioning ICB
  - Additional Conditioning ICB  
per service termination
  - Type II, each G-1 Conditioning ICB
  - Type III, each G-2 Conditioning ICB
  - Additional Conditioning, ICB  
per service termination
  - Type IV, each G-3 Conditioning ICB
  - Additional, Conditioning, ICB  
per service termination

[1] ICB rates and charges apply.

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**9. PRIVATE LINE FEDERAL GOVERNMENT ACCESS SERVICES**

**9.6 SERVICE OFFERINGS TO THE FEDERAL GOVERNMENT**

**9.6.3 RATES AND CHARGES (Cont'd)**

B. Wideband Digital Private Line Access Service

**RATES  
AND CHARGES (C)**

- Wideband Secure Communications[1]
  - Type I, each ICB (C)
  - Type II, each ICB (C)
  - Type III, each ICB (C)

C. Move Charges

1. When service without a maximum termination liability 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, Premises Work Charges apply.
2. When service with a maximum termination liability 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 maximum termination liability charge for the service, if any, with the application of a nonrecurring charge and the establishment of a new maximum termination liability charge for such service at the new location, or
  - To continue service subject to the unexpired portion of the maximum termination liability 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.

[1] ICB rates and charges apply.

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**10. FACILITIES PROTECTION - SPECIAL FACILITIES ROUTING**

<b>SUBJECT</b>	<b>SHEET</b>
Avoidance .....	1
Cable-Only Facilities .....	2
Description .....	1
Diversity .....	1
Diversity and Avoidance Options .....	1
Rates and Charges .....	4
Terms and Conditions .....	3

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## **10. FACILITIES PROTECTION - SPECIAL FACILITIES ROUTING**

### **10.1 DESCRIPTION**

The services provided under this document are provided over such routes and facilities as the Company may elect. Special Facilities Routing is involved when, in order to comply with requirements specified by the customer, the Company provides Switched Access Service, Private Line Access Service or Private Line Federal Government Access Service in a manner which includes one or more of the following conditions:

#### **A. Diversity**

Diversity occurs when the service is provisioned over a primary route and secondary route over separate transmission facilities. The alternate routes must have a route separation of 25 feet or more. Diversity can be provided on the local loop (from the serving wire center to the subscriber location), or Interoffice Facilities (between wire centers).

#### **B. Avoidance**

Avoidance occurs when service is provisioned in a manner to avoid, or by-pass, a subscriber defined geographical location.

#### **C. Diversity And Avoidance Options**

The following is a description of the standard options available:

##### Loop Diversity

Provides a second route from the first utility vault outside of the serving wire center to the subscriber premises. The diversity will end at the last terminal prior to the subscriber's premises unless the subscriber provides for a separate entrance facility.

##### Interoffice Diversity

Provides a second route between the first utility vault outside the serving wire center and the first utility vault outside the remote wire center. This service applies only to Private Line Transport Service.

##### Avoidance

Geographical avoidance of a given point or wire center.

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**10. FACILITIES PROTECTION - SPECIAL FACILITIES ROUTING**

**10.1 DESCRIPTION (Cont'd)**

D. Cable-Only Facilities

Certain Voiceband services are provided on Cable-Only Facilities to meet the particular needs of a customer.

Service is provided subject to the availability of Cable-Only Facilities. In the event of service failure, restoration will be made through the use of any available facilities as selected by the Company.

E. Hot Standby Protection

Hot Standby Protection, hereinafter referred to as Fiber Optic Protect Path Diversity, is provided over fiber optic facilities with a second route separated by a minimum distance of 25 feet. Fiber Optic Protect Path Diversity is not a duplication of services, but dual routing with automatic transfer.

Fiber Optic Protect Path Diversity is available when the subscriber is serviced by fiber optic facilities. This provides a second route between the first utility vault outside the serving wire center to the last terminal prior to the subscriber's premises unless the subscriber provides for a separate entrance facility. A sampling device located at the subscriber termination is common to both routes and automatically selects the secondary route in the event of a failure to the primary route.

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**10. FACILITIES PROTECTION - SPECIAL FACILITIES ROUTING**

**10.2 TERMS AND CONDITIONS**

- A. Diversity and Avoidance are available on all Private Line Access Services and on the loop portion of certain Exchange and Access Services. Service is subject to availability of facilities. When facilities are not available Special Construction charges may be assessed. Cable-Only Facilities are available for all Voiceband Services.
- B. The rates and charges for Special Facilities Routing are in addition to all other rates and charges that may be applicable to the service provided with Special Facilities Routing.
- C. When a customer orders more than one Special Facilities Routing option, (e.g., Loop Diversity and Interoffice Diversity, or multipoint Loop Diversity, i.e., on more than one leg of a multipoint circuit), at the same time, for the same service, only one nonrecurring charge applies. This nonrecurring charge applies to both the primary and secondary route for each service or circuit.
- D. Rate Elements applicable for other services with Special Facilities Routing apply on both the Primary Route and the Secondary Route. Special Construction charges may be applicable with Loop Diversity when Secondary Routes are not available.
- E. The terms Primary and Secondary Route are not meant as a reference to quality or usage, but are used to designate separate routing.
- F. At the request of the customer, information about the routing of services provided with Avoidance and/or Diversity can be provided. The rates and charges for the provision of this information will be assessed on an individual basis (ICB).



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**10. FACILITIES PROTECTION - SPECIAL FACILITIES ROUTING**

**10.3 RATES AND CHARGES**

The rates and charges for Loop and Interoffice Diversity, Hot Standby Protection, and Avoidance, are specified following. Customers with one hundred terminations or more at a single location may request, Diversity and/or Avoidance under an Alternate Pricing Arrangement.

Monthly rates and nonrecurring charges for Loop and Interoffice Diversity apply on a per termination or per circuit basis.

Monthly rates and nonrecurring charges for Avoidance apply on a per service basis.

	NONRECURRING CHARGE[1]	MONTHLY RATE	(C)
• Loop Diversity, per point of termination			
- Primary Route	\$50.00	\$12.00	(C)
- Secondary Route	50.00	12.00	(C)
• Interoffice Diversity, per circuit			
- Primary Route	50.00	10.00	(C)
- Secondary Route	50.00	10.00	(C)
• Avoidance, per service, per occurrence	50.00	12.00	(C)
• Alternate Pricing Arrangement			
- Diversity (per point of termination)	[2]	[2]	(C)
- Avoidance (per service, per occurrence)	[2]	[2]	(C)

[1] Only one nonrecurring charge applies, per circuit or service, when more than one option is ordered for the same service, at the same time.

[2] Monthly rates and nonrecurring charges will be specified in the Company Service Agreement.

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**10. FACILITIES PROTECTION - SPECIAL FACILITIES ROUTING**

**10.3 RATES AND CHARGES (Cont'd)**

	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	
• Cable-Only Facilities[1]	ICB	ICB	(C)
• Fiber Optic Protect Path, per customer point of termination[2]			
- Primary Route	ICB	ICB	(C)
- Secondary Route	ICB	ICB	(C)

[1] Monthly rates and nonrecurring charges will be developed on an Individual Case Basis (ICB), and are in addition to the services using Cable-Only Facilities.

[2] Monthly rates and nonrecurring charges will be developed on an Individual Case Basis (ICB).

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**11. SPECIALIZED SERVICE OR ARRANGEMENTS**

<b>SUBJECT</b>	<b>SHEET</b>
General .....	1
Rates and Charges .....	2
Specialized Service or Arrangements .....	2

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**11. SPECIALIZED SERVICE OR ARRANGEMENTS**

**11.1 GENERAL**

Specialized Service or Arrangements may be provided by the 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 catalog or the Access Service Tariff.
- The facilities utilized to provide the requested service or arrangements are of a type normally used by the Company in furnishing its other services.
- The requested service or arrangements are provided within a LATA.
- The requested service or arrangements are compatible with other Company services, facilities, and its engineering and maintenance practices.
- This offering is subject to the availability of the necessary Company personnel and capital resources.
- The requested service or arrangements will be provided whenever, in the judgment of the Company, there is a valid reason for providing the service requested and it is not detrimental to any other services offered by the Company.
- This offering will be furnished subject to the provisions of the regulations in Section 2 and the terms, conditions, rates, and charges specified herein.
- This offering will be furnished at charges based on cost of furnishing such service and arrangements. Monthly rates and one-time charges such as nonrecurring charges and construction charges will apply based on the circumstances in each case. The Company reserves the right to require an initial contract period longer than one month at the same location.
- The charge to move or change service or arrangements will be done on an individual case basis.

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**11. SPECIALIZED SERVICE OR ARRANGEMENTS**

**11.2 RATES AND CHARGES**

**11.2.1 SPECIALIZED SERVICE OR ARRANGEMENTS**

Rates and charges for specialized service or arrangements provided on an individual case basis are filed following:

A. PL Channel

	<b>USAC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
• Common Equipment, with capacity for 13 cards to serve a maximum of 96 channels. The total of 13 cards may be any combination of Master and Additional cards. One (1) Master Card is required per common equipment, each	#DHHLA	-	\$35.98
• Master Card, with a capacity for up to up to two (2) local channels to the alarm company central station and up to three (3) local channels to the alarm company patrons, each[1]	#DHHLB	\$42.70	8.69
• Additional Card, with capacity for up to eight (8) local channels to alarm company patrons, each[1]	#DHHL C	42.70	8.06

[1] A maximum of one (1) nonrecurring charge applies for any quantity or any combination of Master or Additional cards installed in one wire center at the same time.

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**111. OBSOLETE SPECIALIZED SERVICE OR ARRANGEMENTS**

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Rates and Charges .....	1
Terms and Conditions .....	1

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**111. OBSOLETE SPECIALIZED SERVICE OR ARRANGEMENTS**

**111.1 GENERAL**

Obsolete Services are certain items of service and equipment previously offered elsewhere. Due to obsolescence, these items are no longer suitable to meet current needs of the general public. They will not be furnished as new items of service to any customer or applicant except where they are required to fully utilize the installed common equipment capacities of existing systems.

At the discretion of the Company, the items of service and equipment listed herein which were furnished prior to the date such items became obsolete, hereunder may be continued in service only if they remain on the same premises and the Company is able to maintain such items without unreasonable expense and is able to obtain repair parts from existing or recovered stock.

Obsolete customized services or equipment will be furnished at charges based on cost of furnishing such equipment and arrangements. Monthly rates and one-time charges such as nonrecurring charges and construction charges will apply based on the circumstances in each case. The Company reserves the right to require an initial contract period longer than one month at the same location.

**111.2 TERMS AND CONDITIONS**

The charge to move or change obsolete customized services of equipment is the same as the charge to install it.

**111.3 RATES AND CHARGES**

A. Automatic Announcement, Answering, and Recording

	<b>USAC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
• Dial announcement recording trunk	#AAAO	\$26.70	\$49.31

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**111. OBSOLETE SPECIALIZED SERVICE OR ARRANGEMENTS**

**111.3 RATES AND CHARGES (Cont'd)**

B. Station Supplemental

	<b>USAC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
<ul style="list-style-type: none"> <li>• Private line with terminations in four jacks and call director, includes channel. Tariff charges apply for termination in call director. Eng. FC75267</li> </ul>	#AJH5	\$80.10	\$ 31.01
<ul style="list-style-type: none"> <li>• Multi-channel intraexchange offering (package of 25 voice grade channels) 1st airline mile or fraction thereof. Eng. not available</li> </ul>	#DHAK	—	125.27
<ul style="list-style-type: none"> <li>• Multi-channel intraexchange offering (package of 25 voice grade channels) plus monthly charge for channel in use. Eng. not available</li> </ul>	#DHAL	6.35	1.80
<ul style="list-style-type: none"> <li>• I.T.V. coaxial cable, point to point, each. Eng. FC70410</li> </ul>	#DHDO	—	218.99
<ul style="list-style-type: none"> <li>• Type 2007 channel, first quarter mile. Eng. not available</li> </ul>	#DHE4	6.35	2.66
<ul style="list-style-type: none"> <li>• Multi-channel intraexchange offering (package of 25 voice grade channels) each additional 1/2 airline mile or fraction thereof. Eng. not available</li> </ul>	#DHET	—	62.64



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**111. OBSOLETE SPECIALIZED SERVICE OR ARRANGEMENTS**

**111.3 RATES AND CHARGES**

B. Station Supplemental (Cont'd)

	<b>USAC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
<ul style="list-style-type: none"> <li>• Intraexchange channel from customer central station to Company CO each 1/4 mile or fraction thereof, each Eng. FA74124</li> </ul>	#DHF1	\$ 6.35	\$ 1.96
<ul style="list-style-type: none"> <li>• Multiline bridge located in Company CO (maximum of 100 alarm company patron lines) Eng. FA74124</li> </ul>	#DHF2	106.80	65.80
<ul style="list-style-type: none"> <li>• Patron line (channels between Company CO and alarm company patron premises, 1/4 mile or fraction thereof), each Eng. FA74124</li> </ul>	#DHF3	6.35	1.96
<ul style="list-style-type: none"> <li>• Extension patron line (second termination within the same building), each Eng. FC74124</li> </ul>	#DHF4	6.35	2.57
<ul style="list-style-type: none"> <li>• 2008 Intraexchange channel, first additional quarter mile[1] Eng. not available</li> </ul>	#DHFF	6.35	5.32
<ul style="list-style-type: none"> <li>• 2008 Intraexchange channel, each additional quarter mile[1] Eng. not available</li> </ul>	#DHFG	6.35	2.30
<ul style="list-style-type: none"> <li>• Metallic, 19.2KB data channel, designed for ICC COMLINK II modem operating within the same building, each channel arranged Eng. FC74557A</li> </ul>	#DHGN	37.40	22.70

[1] Minimum charge two quarter miles.

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**111. OBSOLETE SPECIALIZED SERVICE OR ARRANGEMENTS**

**111.3 RATES AND CHARGES**

B. Station Supplemental (Cont'd)

	USAC	NONRECURRING CHARGE	MONTHLY RATE
<ul style="list-style-type: none"> <li>• Metallic full duplex data channel, designed for use with CODEX model 8200 data sets, without pads or coils per termination Eng. FC75172</li> </ul>	#DHGV	\$ 7.45	\$18.41
<ul style="list-style-type: none"> <li>• Metallic intraexchange 4-wire channel designed with GANDOLF LDS-120 modem Eng. FC76736</li> </ul>	#DHH3	12.65	4.99
<ul style="list-style-type: none"> <li>• Metallic intraexchange 4-wire full duplex 2 point data channel designed for use with a COMPLINE II modem at 4800 BPS without pads or coils. No known transmission specifications are hereby implied regarding performance. Where the terminals of the channel are in different buildings, each 1/4 mile or fraction thereof (minimum monthly charge - 4 qtr. miles). Service charge applies for each termination Eng. not available</li> </ul>	#DHH7	12.65	3.92
<ul style="list-style-type: none"> <li>• 4-Wire metallic channel same building Eng. not available</li> </ul>	#DHHD	12.65	5.93
<ul style="list-style-type: none"> <li>• 4-Wire metallic channel same building Eng. not available</li> </ul>	#DHHE	21.35	2.64

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**111. OBSOLETE SPECIALIZED SERVICE OR ARRANGEMENTS**

**111.3 RATES AND CHARGES**

B. Station Supplemental (Cont'd)

	USAC	NONRECURRING CHARGE	MONTHLY RATE
• 4-wire metallic channel (CPE pension 96A-96K data set) same building Eng. FC76057	#DHHK	-	\$ 15.69
• Metallic full duplex with penril Eng. FC76483	#DHHX	-	4.89
• Metallic 4-wire channel, intraexchange Eng. FC78277	#DHJN	\$ 12.65	5.41
• Wideband Loop Repeaters Auxiliary Data Set	#DHKV	325.00	28.75
• Light beam transmission Termination charge, 5 year period Eng. FGMC80057	#DHKZ	745.00	115.00
- Termination Charge	#DHKZ	1,600.00	-
• Series 10,000 Channel between 550 18th St. and 18201 W10th, Golden, Colo. Eng. FCC82501	#DHL4	1,200.00	30.38
• 1.544 Mbps Service between Bldg 1479A and Bldg 1038 PAFB, Colo. Springs, Colo. Eng. FC81066	#DHLP	3,281.00	80.00
- Termination Charge	#DHLP	1,499.00	-
• 1500 Direct Routed Ckts Eng. FC81354	#DHL5	5,000.00	500.00
- Termination Charge	#DHL5	11,000.00	-
• 1500 Direct Routed Ckts Eng. FC81354	#DHLT	-	1.50

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**111. OBSOLETE SPECIALIZED SERVICE OR ARRANGEMENTS**

**111.3 RATES AND CHARGES**

B. Station Supplemental (Cont'd)

	USAC	NONRECURRING CHARGE	MONTHLY RATE
<ul style="list-style-type: none"> <li>• 1.544 Mbps Service between 3131 28th St., Plaza one, and 3065 Ctr Green Dr., Boulder, Colo. Eng. FC82103 - Termination Charge</li> </ul>	<ul style="list-style-type: none"> <li>#DHLV</li> <li>#DHLV</li> </ul>	<ul style="list-style-type: none"> <li>\$15,660.00</li> <li>20,200.00</li> </ul>	<ul style="list-style-type: none"> <li>\$ 875.00</li> <li>—</li> </ul>
<ul style="list-style-type: none"> <li>• 4 wire tie line trunk interface, one req per 4 tie trunks Eng. FC82027</li> </ul>	<ul style="list-style-type: none"> <li>#DHLZ</li> </ul>	<ul style="list-style-type: none"> <li>290.00</li> </ul>	<ul style="list-style-type: none"> <li>9.75</li> </ul>
<ul style="list-style-type: none"> <li>• 1.544 Mbps between 1110 Bayfield and 2853 Jointell Rd. Colo. Springs, Colo. Eng. FC83104</li> </ul>	<ul style="list-style-type: none"> <li>#DHM</li> </ul>	<ul style="list-style-type: none"> <li>13,000.00</li> </ul>	<ul style="list-style-type: none"> <li>955.00</li> </ul>
<ul style="list-style-type: none"> <li>• 1.544 Mbps between Western Electric at 120th and Pecos to CO Eng. FC83113</li> </ul>	<ul style="list-style-type: none"> <li>#DHM7</li> </ul>	<ul style="list-style-type: none"> <li>2,500.00</li> </ul>	<ul style="list-style-type: none"> <li>765.00</li> </ul>
<ul style="list-style-type: none"> <li>• 1.544 Mpbs Service between 1600 Blake and 869 S. Broadway, Denver, Colo. Eng. FC83102</li> </ul>	<ul style="list-style-type: none"> <li>#DHMY</li> </ul>	<ul style="list-style-type: none"> <li>3,000.00</li> </ul>	<ul style="list-style-type: none"> <li>1,010.00</li> </ul>

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**111. OBSOLETE SPECIALIZED SERVICE OR ARRANGEMENTS**

**111.3 RATES AND CHARGES**

B. Station Supplemental (Cont'd)

	<b>USAC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
<ul style="list-style-type: none"> <li>• 1.544 Mbps Service from 301 Rockrimmon to 4405 N. Chestnut Blvd., Colo. Springs, Colo. Eng. FC83027</li> </ul>	#DHMZ	\$3,000.00	\$1,050.00
<ul style="list-style-type: none"> <li>• 1.544 Mbps Service from Buckley Field to the Clock Tower Bldg. #5 Eng. C84-075</li> </ul>	#DHN7	2,500.00	980.00
<ul style="list-style-type: none"> <li>• 1.544 Mbps Service from Buckley Field to Martin Marietta at Waterton, Colo. Eng. C84-076</li> </ul>	#DHN8	2,500.00	1,600.00
<ul style="list-style-type: none"> <li>• 1.544 Mbps Service from 4405 Chestnut to 4775 Centennial Dr., Colo. Springs, Colo. Span one. Eng. C84-137</li> </ul>	#DHN9	2,500.00	970.00
<ul style="list-style-type: none"> <li>• Additional 1.544 Mbps Service between 1110 Bayfield and 2853 Jonitell Rd. Colo Spgs, Co (up to 3) Eng. FC83104</li> </ul>	#DHNE	1,700.00	535.00
<ul style="list-style-type: none"> <li>• 1.544 Mbps Service between 5800 DTC Pkwy, and 183 Inverness Dr. W. Eng. C84-021</li> </ul>	#DHNG	1,700.00	710.00
<ul style="list-style-type: none"> <li>• 1.544 Mbps Service from Buckley Field to 6251 S. Ullster Eng. C84-077</li> </ul>	#DHNU	2,500.00	1,350.00

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**111.3 RATES AND CHARGES**

B. Station Supplemental (Cont'd)

	USAC	NONRECURRING CHARGE	MONTHLY RATE
<ul style="list-style-type: none"> <li>• 1.544 Mbps Service from 301 Rockrimmon Blvd. to 4775 Centennial Dr., Colo. Springs, Colo. Eng. C84-138</li> </ul>	#DHOA	\$2,500.00	\$960.00
<ul style="list-style-type: none"> <li>• 1.544 Mbps from 301 Rockrimmon Blvd. to 4405 N. Chestnut, Colo. Springs, Colo. Eng. C84-139</li> </ul>	#DHOB	2,500.00	950.00
<ul style="list-style-type: none"> <li>• 1.554 Mbps Service from 4405 Chestnut to 4775 Centennial Dr., Colo. Springs, Colo. Span two. Eng. C84-137</li> </ul>	#DHOL	1,700.00	700.00
<ul style="list-style-type: none"> <li>• Arrangement to convert carrier signal to light beam on ten duplex data channels (wideband facility) to prevent FRI. Eng. FCM7419A</li> </ul>	#DMBA	-	582.98
<ul style="list-style-type: none"> <li>• Intrastate SPL. construction recurring monthly charge (RMC). Eng. FGSMC77116</li> </ul>	#DMBZ	-	42.17
<ul style="list-style-type: none"> <li>• Concentrator - identifier trunks for secretarial bureau services, interexchange mileage, per mile, same rate as monthly rate. Eng. Not Available</li> </ul>	#DEBB	-	4.37

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**12. ADDITIONAL ENGINEERING, ADDITIONAL LABOR  
AND MISCELLANEOUS SERVICES**

<b>SUBJECT</b>	<b>SHEET</b>	
Additional Engineering.....	1	
Additional Labor.....	2	
Maintenance of Service.....	4	
Managed Long Distance (MLD).....	28	(N)
Miscellaneous Services.....	4	
Other Labor.....	2	
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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.

**12.1 ADDITIONAL ENGINEERING**

Additional Engineering will only be provided by the Company when:

- A. A customer requests additional technical information after the Company has already provided the technical information normally included on the Design Layout Report (DLR).
- B. Additional engineering time is incurred by the Company to engineer a customer's request for a customized technical specifications package.

The Company will notify the customer that additional engineering charges will apply before any additional engineering is undertaken. The charges for Additional Engineering are found in Section 12 of the Access Service Tariff.



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**12.2 ADDITIONAL LABOR**

Additional labor is that labor requested by the customer on a given service and agreed to by the Company as set forth in 12.2.1 through 12.2.5, following. The Company will notify the customer that additional labor charges as set forth in 12.2.6, following, will apply before any additional labor is undertaken.

**12.2.1 OVERTIME INSTALLATION**

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

**12.2.2 OVERTIME REPAIR**

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

**12.2.3 STAND BY**

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

**12.2.4 TESTING AND MAINTENANCE WITH OTHER TELEPHONE COMPANIES**

Additional testing, maintenance or repair of facilities which connect to facilities of other telephone companies, which is in addition to normal effort required to test, maintain or repair facilities provided solely by the Company.

**12.2.5 OTHER LABOR**

Other Labor is that additional labor not included in 12.2.1 through 12.2.4, preceding, and labor incurred to accommodate a specific customer request that involves only labor, which is not covered by any other means.

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**12.2 ADDITIONAL LABOR (Cont'd)**

**12.2.6 RATES AND CHARGES**

A. Testing and Maintenance with other telephone companies, or Other Labor

<b>ADDITIONAL LABOR PERIODS</b>	<b>NONRECURRING CHARGE</b>	<b>(C)</b>
• Basic Time, normally scheduled working hours, per technician		
- First 1/2 hour or fraction thereof	\$44.12	(C)
- Each additional 1/2 hour or fraction thereof	17.91	(C)
• Overtime, outside of normally scheduled working hours on a scheduled work day, per technician[1]		
- First 1/2 hour or fraction thereof	47.22	(C)
- Each additional 1/2 hour or fraction thereof	21.01	(C)
• Premium Time, outside of scheduled work day, per technician[1]		
- First 1/2 hour or fraction thereof	50.33	(C)
- Each additional 1/2 hour or fraction thereof	24.12	(C)

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

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**12.3 MISCELLANEOUS SERVICES**

**12.3.1 MAINTENANCE OF SERVICE**

- A. When a customer reports a trouble to the Company for clearance and no trouble is found in the Company's facilities, the customer shall be responsible for payment of a Maintenance of Service charge for the period of time from when Company personnel are dispatched to the customer's premises to when the work is completed. Failure of Company personnel to find trouble in Company facilities will result in no charge if the trouble is actually in those facilities, but not discovered at the time. The customer shall be responsible for payment of a Maintenance of Service charge when the Company dispatches personnel to the customer's premises, and the trouble is in equipment or communications systems provided by other than the Company. No credit allowance will be applicable for the interruption involved if the Maintenance of Service charge applies.

When a Maintenance of Service visit is made, Premises Work Charges will apply and are billed to the customer where the problem exists.

**12.3.2 TELECOMMUNICATIONS SERVICE PRIORITY (TSP)**

Denotes the regulatory, administrative, and operational system developed by the Federal Government to ensure priority provisioning and/or restoration of National Security Emergency Preparedness (NSEP) telecommunications services. The Federal Communications Commission (FCC) defines NSEP telecommunications services as those services which are used to maintain a state of readiness or to respond to and manage any event or crisis, which causes or could cause harm to the population, damage to or loss of property, or degrades or threatens the NSEP posture of the United States. See Section 12 of the Access Service Tariff for terms, conditions, rates and charges.

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**12.3 MISCELLANEOUS SERVICES (Cont'd)**

**12.3.3 TESTING SERVICES**

Testing Services offered under this section of the Catalog are optional and subject to rates and charges as set forth in 12.3.3.C., following. Other testing services provided by the Company in association with Access Services are furnished at no additional charge. These other testing services are described in the Access Service Tariff and 7.1.4.B., preceding.

Testing Services are normally provided by Company personnel at Company locations. However, provisions are made in A.5. and B.1. and B.2., following, for a customer to request Company personnel to perform testing services at the customer's premises.

The offering of Testing Services under this section of the Catalog is made subject to the availability of the necessary qualified personnel and test equipment at the various test locations mentioned in A., B. and C., following:

**A. Switched Access Service**

Testing Services for Switched Access Service are comprised of (a) tests which are performed during the installation of a Switched Access Service, and (b) tests which are performed after acceptance of such access services by a customer, i.e., in-service tests. These in-service tests may be further divided into two broad categories of tests: scheduled and nonscheduled.

Scheduled tests are those tests performed by the Company on a regular basis, e.g., monthly, which result in the measurement of Switched Access Service. Scheduled tests may be done on an automatic basis (no Company or customer technicians involved), on a cooperative basis (Company technician(s) involved at Company office(s) and customer technician(s) involved at customer's premises), or a manual basis (Company technician(s) involved at Company office(s) and at customer's premises).

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**12.3 MISCELLANEOUS SERVICES**

**12.3.3 TESTING SERVICES**

A. Switched Access Service (Cont'd)

Nonscheduled tests are performed by the Company "on demand", which result in the measurement of Switched Access Services. Nonscheduled tests may involve Company technicians at Company offices and at the customer's premises.

1. Additional Cooperative Acceptance Testing (ACAT)

Additional Cooperative Acceptance Testing (ACAT) of Switched Access Service involves the Company provision of a technician at its office(s) and the customer provides a technician at its premises, with suitable test equipment to perform the required tests.

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

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

2. Automatic Scheduled Testing (AST)

Automatic Scheduled Testing (AST) of Switched Access Services (Feature Groups B, C and D), where the customer provides remote office test lines and 105 test lines with associated responders or their functional equivalent, will consist of monthly loss and C-message noise tests and annual balance test. However, the customer may specify a more frequent schedule of tests. In addition to the loss/noise/balance tests, the customer may also order, at additional charges, gain-slope and C-notched noise testing.

The Company will provide a monthly AST report that lists the test results for each trunk tested. Trunk test failures requiring customer participation for trouble resolution will be provided to the customer on an as-occurs basis.

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**12.3 MISCELLANEOUS SERVICES**

**12.3.3 TESTING SERVICES**

A. Switched Access Service (Cont'd)

3. Cooperative Scheduled Testing (CST)

Cooperative Scheduled Testing (CST) of Switched Access Services (Feature groups B, C and D not routed through an access tandem), where the Company provides a technician at its office(s) and the customer provides a technician at its premises, with suitable test equipment to perform the required tests, will consist of quarterly loss and C-message noise tests, and annual balance tests. However, the customer may specify a more frequent schedule of tests. In addition to the loss/noise/balance measurements, the customer may also order, at additional charges, gain-slope and C-notched noise testing.

The Company will provide, on a quarterly basis, a CST report that lists the test results for each trunk tested. Trunk test failures requiring customer participation for trouble resolution will be provided to the customer on an as-occurs basis.

4. Manual Scheduled Testing (MST)

Manual Scheduled Testing (MST) of Switched Access Services (Feature Groups B, D not routed through an access tandem), where the Company provides a technician at its office(s) and at the customer's premises, will consist of quarterly loss and C-message noise tests, and annual balance test. However, the customer may specify a more frequent schedule of tests. In addition to the loss/noise/balance tests, the customer may also order, at additional charges, gain-slope and C-notched noise testing.

The Company will provide, on a quarterly basis, an MST report that lists the test results for each trunk tested. Trunk test failures requiring customer participation for trouble resolution will be provided to the customer on an as-occurs basis.

5. Nonscheduled Testing (NST)

Nonscheduled Testing (NST) of Switched Access Services is where:

- The customer provides remote office test lines and 105 test lines with associated responders of their functional equivalent ("automatic testing"), or

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**12.3 MISCELLANEOUS SERVICES**

**12.3.3 TESTING SERVICES**

A.5. (Cont'd)

- The Company provides a technician at its office(s) and the customer provides a technician at its premises, with suitable test equipment to perform the required tests ("cooperative testing"), or
- The Company provides a technician at its office(s), and/or at the customer's premises with suitable test equipment to perform the required tests ("manual testing").

Nonscheduled Test may consist of any tests, e.g., loss, noise, slope, envelope delay, which the customer may require.

6. Obligations of the Customer

- a. The customer shall provide the Remove Office Test Line priming data to the Company, as appropriate, to support AST as set forth in 12.3.3.A.2., preceding, or NST as set forth in 12.3.3.A.5, preceding.
- b. The customer shall make the facilities to be tested available to the Company at times mutually agreed upon.

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**12.3 MISCELLANEOUS SERVICES**

**12.3.3 TESTING SERVICES (Cont'd)**

**B. Private Line Access Service**

The Company will, at the request of a customer, provide assistance in performing specific tests requested by the customer.

**1. Additional Cooperative Acceptance Testing (ACAT)**

When a customer provides a technician at its premises or at an end user's premises, with suitable test equipment to perform the required tests, the Company will provide a technician at its office for the purpose of conducting Additional Cooperative Acceptance Testing on Voiceband/Data Services. At the customer's request, the Company will provide a technician at the customer's premises or at the end user premises. These tests may consist of the following:

- Attenuation Distortion, Echo Control, Impulse Noise, Phase Jitter, Intermodulation Distortion, Envelope Delay Distortion and Frequency Shift.

**2. Nonscheduled Testing (NST)**

When a customer provides a technician at its premises, with suitable test equipment to perform the required tests, the Company will provide a technician at its office for the purpose of conducting Nonscheduled Testing. At the customer's request, the Company will 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.

**3. Obligations of the Customer**

When the customer subscribes to Testing Service as set forth in this section, the customer shall make the facilities to be tested available to the Company at times mutually agreed upon.



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**12.3 MISCELLANEOUS SERVICES**  
**12.3.3 TESTING SERVICES (Cont'd)**

C. Rates and Charges

1. Switched Access

a. Additional Cooperative Acceptance Testing (ACAT)

<b>TESTING PERIODS</b>	<b>NONRECURRING CHARGE</b>	<b>(C)</b>
• Basic Time, normally scheduled working hours, per technician		
- First 1/2 hour or fraction thereof	\$43.75	(C)
- Each additional 1/2 hour or fraction thereof	17.54	(C)
• Overtime, outside of normally scheduled working hours, on a scheduled work day, per technician[1]		
- First 1/2 hour or fraction thereof	47.02	(C)
- Each additional 1/2 hour or fraction thereof	20.81	(C)
• Premium Time, outside of scheduled work day, per technician[1]		
- First 1/2 hour or fraction thereof	50.29	(C)
- Each additional 1/2 hour or fraction thereof	24.08	(C)

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

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**12.3 MISCELLANEOUS SERVICES**

**12.3.3 TESTING SERVICES**

C.1. (Cont'd)

b. Automatic Scheduled Testing (AST)

The three tests as set forth following represent the minimum offering, i.e., an order for testing must, at a minimum, consist of twelve 1004 Hz Loss Tests per transmission path, twelve C-Message Noise Tests per transmission path and one Return Loss (Balance) Test per transmission path, per year. The Additional Tests as set forth following may be ordered by the customer, at additional charges, 60 days prior to the start of the customer prescribed schedule. The customer also may specify a more frequent schedule of test 60 days prior to the start of the customer prescribed schedule.

(1) Basic Tests[1]

<b>TO FIRST POINT OF SWITCHING</b>	<b>MONTHLY RATE</b>	<b>(C)</b>
• 1004 Hz Loss Tests performed within a one-year period, per test ordered, per transmission path	\$0.06	(C)
• C-Message Noise Tests performed within a one-year period, per test ordered, per transmission path	0.06	(C)
• Return Loss (Balance) Tests performed within a one-year period, per test ordered, per transmission path	0.06	(C)

[1] Subject to a one year minimum contract period, and annually thereafter.

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**12.3.3 TESTING SERVICES**

C.1.b. (Cont'd)

(2) Additional Tests

<b>TO FIRST POINT OF SWITCHING</b>	<b>MONTHLY RATE</b>	<b>(C)</b>
• Gain-Slope Tests performed within a one year period, per test ordered, per transmission path	\$0.06	(C)
• C-Notched Noise Tests performed within a one year period, per test ordered, per transmission path	0.06	(C)

(3) Example

A customer schedules 13 1004 Hz Loss Tests, 13 C-Message Noise Tests and 2 Return Loss Tests on one trunk for a year. The charges will be computed as follows:

$$\begin{array}{r r r r r} 13 & \times & \$0.06 & = & \$0.78 \\ + & 13 & \times & 0.06 & = & 0.78 \\ + & 2 & \times & 0.06 & = & \underline{0.12} \\ & & & & & \$1.68 \text{ per month, per trunk} \end{array}$$

c. Cooperative Scheduled Testing (CST)

The three tests as set forth following represent the minimum offering, i.e., an order for testing must, at a minimum, consist of four 1004 Hz Loss Tests per transmission path, four C-Message Noise Tests for transmission path and one Return Loss (Balance) Test per transmission path, per year. The Additional Tests as set forth following may be ordered by the customer, at additional charges, 60 days prior to the start of the customer prescribed schedule. The customer also may specify a more frequent schedule of tests 60 days prior to the start of the customer prescribed schedule.

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**12.3.3 TESTING SERVICES**

C.1.c. (Cont'd)

(1) Basic Tests[1]

<b>TO FIRST POINT OF SWITCHING</b>	<b>MONTHLY RATE</b>	<b>(C)</b>
• 1004 Hz Loss Tests performed within a one year period, per test ordered, per transmission path	\$0.34	(C)
• C-Message Noise Tests performed within a one year period, per test ordered, per transmission path	0.25	(C)
• Return Loss (Balance) Tests performed within a one year period, per test ordered, per transmission path	0.55	(C)

(2) Additional Tests

• Gain-Slope Tests performed within a one year period, per test ordered, per transmission path	0.34	(C)
• C-Notched Noise Tests performed within a one year period, per test ordered, per transmission path	0.25	(C)

(3) Example

A customer schedules 6 1004 Hz Loss Tests, 6 C-Message Noise Tests and 4 Return Loss Tests on one trunk for a year. The charges will be computed as follows:

$$\begin{array}{r r r r r} 6 & \times & \$0.34 & = & \$2.04 \\ + 6 & \times & 0.25 & = & 1.50 \\ + 4 & \times & 0.55 & = & \underline{2.20} \\ & & & & \$5.74 \text{ per month, per trunk} \end{array}$$

[1] Subject to a one year minimum contract period, and annually thereafter.

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**12.3.3 TESTING SERVICES**

C.1. (Cont'd)

d. Manual Scheduled Testing (MST)

The three tests as set forth following represent the minimum offering, i.e., an order for testing must, at a minimum, consist of four 1004 Hz Loss Tests per transmission path, four C-Message Noise Tests per transmission path and one Return Loss (Balance) Test per transmission path, per year. The Additional Tests as set forth following may be ordered by the customer, at additional charges, 60 days prior to the start of the customer prescribed schedule. The customer also may specify a more frequent schedule of tests 60 days prior to the start of the customer prescribed schedule.

(1) Basic Tests[1]

<b>TO FIRST POINT OF SWITCHING</b>	<b>MONTHLY RATE</b>	<b>(C)</b>
<ul style="list-style-type: none"><li>• 1004 Hz Loss Tests performed within a one year period, per test ordered, per transmission path</li></ul>	\$0.90	(C)
<ul style="list-style-type: none"><li>• C-Message Noise Tests performed within a one year period, per test ordered, per transmission path</li></ul>	0.59	(C)
<ul style="list-style-type: none"><li>• Return Loss (Balance) Tests performed within a one year period, per test ordered, per transmission path</li></ul>	1.20	(C)

[1] Subject to a one year minimum contract period, and annually thereafter.

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**12.3.3 TESTING SERVICES**

C.1.d. (Cont'd)

(2) Additional Tests

<b>TO FIRST POINT OF SWITCHING</b>	<b>MONTHLY RATE</b>	<b>(C)</b>
• Gain-Slope Tests performed within a one year period, per test ordered, per transmission path	\$0.90	(C)
• C-Notched Noise Test performed within a one year period, per test ordered, per transmission path	0.59	(C)

(3) Example

See C.1.c.(3), preceding

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**12.3.3 TESTING SERVICES**

C.1. (Cont'd)

e. Nonscheduled Testing (NST)

(1) Automatic Testing

<b>TO FIRST POINT OF SWITCHING</b>	<b>NONRECURRING CHARGE</b>	<b>(C)</b>
• 1004 Hz Loss, per test performed	\$12.44	
• C-Message Noise, per test performed	12.44	
• Return Loss (Balance), per test performed	12.44	
• Gain-Slope, per test performed	12.44	
• C-Notched Noise, per test performed	12.44	

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**12.3.3 TESTING SERVICES**

C.1.e. (Cont'd)

(2) Cooperative Testing

<b>TESTING PERIODS</b>	<b>NONRECURRING CHARGE</b>	<b>(C)</b>
• Basic Time, normally scheduled working hours, per technician		
- First 1/2 hour or fraction thereof	\$43.75	(C)
- Each additional 1/2 hour or fraction thereof	17.54	(C)
• Overtime, outside of normally scheduled working hours on a scheduled work day, per technician[1]		
- First 1/2 hour or fraction thereof	47.02	(C)
- Each additional 1/2 hour or fraction thereof	20.81	(C)
• Premium Time, outside of scheduled work day, per technician[1]		
- First 1/2 hour or fraction thereof	50.29	(C)
- Each additional 1/2 hour or fraction thereof	24.08	(C)

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

NOTICE  
THE INFORMATION CONTAINED IN THIS DOCUMENT IS SUBJECT TO CHANGE.



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**12.3.3 TESTING SERVICES**

C.1.e. (Cont'd)

(3) Manual Testing

<b>TESTING PERIODS</b>	<b>NONRECURRING CHARGE</b>	<b>(C)</b>
• Basic Time, normally scheduled working hours, per technician		
- First 1/2 hour or fraction thereof	\$43.93	(C)
- Each additional 1/2 hour or fraction thereof	17.72	(C)
• Overtime, outside of normally scheduled working hours on a scheduled work day, per technician[1]		
- First 1/2 hour or fraction thereof	47.12	(C)
- Each additional 1/2 hour or fraction thereof	20.91	(C)
• Premium Time, outside of scheduled work day, per technician[1]		
- First 1/2 hour or fraction thereof	50.31	(C)
- Each additional 1/2 hour or fraction thereof	24.10	(C)

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

NOTICE  
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**12.3.3 TESTING SERVICES**

C. Rates and Charges (Cont'd)

2. Private Line Access

a. Additional Cooperative Acceptance Testing (ACAT)

<b>TESTING PERIODS</b>	<b>NONRECURRING CHARGE</b>	<b>(C)</b>
• Basic Time, normally scheduled working hours, per technician		
- First 1/2 hour or fraction thereof	\$44.12	(C)
- Each additional 1/2 hour or fraction thereof	17.91	(C)
• Overtime, outside of normally scheduled working hours on a scheduled work day, per technician[1]		
- First 1/2 hour or fraction thereof	47.22	(C)
- Each additional 1/2 hour or fraction thereof	21.01	(C)
• Premium Time, outside of scheduled work day, per technician[1]		
- First 1/2 hour or fraction thereof	50.33	(C)
- Each additional 1/2 hour or fraction thereof	24.12	(C)

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

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**12.3 MISCELLANEOUS SERVICES**

**12.3.3 TESTING SERVICES**

C.2. (Cont'd)

b. Nonscheduled Testing (NST)

<b>TESTING PERIODS</b>	<b>NONRECURRING CHARGE</b>	<b>(C)</b>
• Basic Time, normally scheduled working hours, per technician		
- First 1/2 hour or fraction thereof	\$44.12	(C)
- Each additional 1/2 hour or fraction thereof	17.91	(C)
• Overtime, outside of normally scheduled working hours on a scheduled work day, per technician[1]		
- First 1/2 hour or fraction thereof	47.22	(C)
- Each additional 1/2 hour or fraction thereof	21.01	(C)
• Premium Time, outside of scheduled work day, per technician[1]		
- First 1/2 hour or fraction thereof	50.33	(C)
- Each additional 1/2 hour or fraction thereof	24.12	(C)

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

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**12.3 MISCELLANEOUS SERVICES (Cont'd)**

**12.3.4 PROVISION OF ACCESS SERVICE BILLING INFORMATION**

- A. The customer will receive monthly bills and Customer Service Records (CSRs) in a standard paper format at no charge. At the option of the customer, monthly bills and CSRs may be provided electronically, in lieu of the standard paper format at no charge.
- B. At the option of the customer:
  - 1. Additional copies of the customer's monthly bill and/or CSR may be provided in standard paper or electronic format for an additional charge.
- C. Upon acceptance by the Company of an order for electronic transmission, the Company will determine the period of time to implement the transmission of such material on an individual order basis.
- D. The rates and charges for the provision of additional copies of Access Service Billing Information after the initial copy has been provided are as follows:

	<b>RATE</b>	<b>(C)</b>
• Electronic Transmission to a customer's premises of Billing Detail and/or Information, per record transmitted	ICB	(C)
• Additional copies of the customer's monthly bill or service and features record in standard paper - Per page	ICB	(C)

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**12.3 MISCELLANEOUS SERVICES (Cont'd)**

**12.3.5 PROTECTION SERVICE FOR HIGH VOLTAGE ENVIRONMENTS**

A. Description

1. Company services provided on facilities that extend to a high voltage environment, i.e., electric power generating, switching and distributing locations, require high voltage protection whenever hazardous voltages of 1000V peak-asymmetrical or greater appear on those facilities due to Ground Potential Rise (GPR) and/or induction caused by faults in the customer's electric power system. The high voltage protection is designed to isolate or neutralize the hazardous voltages. The protection objectives on Company services and facilities at these locations are as follows:
  - To minimize electrical hazards to personnel engaged in construction, operation, maintenance and use of telecommunications service.
  - To limit electrical damage to telecommunications equipment, cable and wire facilities.
  - To provide the required service continuity and integrity of telecommunications transmission as specified by the customer with the approval of the Company.
2. This offering requires high voltage protection at the customer's premises and at the Company CO whenever the fault-produced GPR/induction equals or exceeds 1000V peak-asymmetrical.

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**12.3 MISCELLANEOUS SERVICES**

**12.3.5 PROTECTION SERVICE FOR HIGH VOLTAGE ENVIRONMENTS (Cont'd)**

**B. Responsibility of the Customer**

1. The customer shall be responsible for providing to the Company a completed Form 3876, "Design Information for Power Industry Channels," which includes the following:
  - a. The maximum return (line fault) current under worst case single phase fault conditions at each location where telecommunications services are requested.
  - b. The type, quantity and projected forecast of each service required at a given location, including those required by contractors or any other temporary service needs, in accordance with the definitions given in D., following.
  - c. The Service Performance Objective Classification for each service in accordance with the definitions in D., following
  - d. The technical data needed by the Company to determine the method of protection required at each service location. This data includes, but is not limited to, the ground grid area, impedance of the station ground grid to remote earth, X/R ratio of the power system at the probable point of fault, fault current diagrams and maps of major power feeder routes.
2. Changes in the information provided in 1., preceding, will require written notification, with a revised Form 3876. These changes shall be provided as they occur to permit reevaluation, redesign, implementation and tests of the required modified or new protection method.

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**12.3 MISCELLANEOUS SERVICES**

**12.3.5 PROTECTION SERVICE FOR HIGH VOLTAGE ENVIRONMENTS (Cont'd)**

**C. Responsibility of the Company**

1. The Company, working in conjunction with the customer, shall determine the proper methods of protection required to achieve the objectives set forth in A., preceding. The method of protection for every service in a cable shall be coordinated by the Company to be compatible with the protection provided for the most critically important service in that cable.
2. It is expressly declared that metallic facilities are in continually decreasing supply, and the Company is not obligated to continue to make such facilities available. Metallic facilities are offered only where existing facilities and operating conditions permit.
3. The Company reserves the right to treat high voltage protection on an individual case basis, dependent on the type of facilities available.

**D. Protection Service Types**

1. Protection services which the Company offers are identified according to the following types:
  - a. Type 1  
  
Services requiring either dc transmission or ac and dc transmission used for Basic Exchange Telephone Service and/or Private Line Access Service.
  - b. Type 2  
  
Private Line Access Service requiring (ac) Voiceband and/or (dc) Narrowband transmission, used for pilot wire protective relaying or dc tripping.
  - c. Type 3  
  
Private Line Access Service requiring (ac) Voiceband/Data transmission only, used for telemetering, supervisory control, data, etc.
  - d. Type 4  
  
Private Line Access Service requiring (ac) Voiceband transmission only, used for audio tone protective relaying.

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**12.3.5 PROTECTION SERVICE FOR HIGH VOLTAGE ENVIRONMENTS (Cont'd)**

(T)

**E. Service Performance Objective Classification**

1. Interruptions or outages of telecommunications circuits serving electric power substations may occur for physical reasons such as cable damage due to extraordinarily heavy storm loading, a vehicle striking and breaking a utility pole, a cable cut, a lightning strike, or acts of God. Circuit failures caused by such events cannot be prevented and the Company expressly states that provision of the service provided in this section cannot preclude such service outages as may occur due to the above mentioned circumstances.
2. Interruptions or outages due to the effects (Ground Potential Rise and/or induction) of faults in the customer's power generating, transmission and/or distribution systems are minimized through the installation and maintenance of high voltage protection service which is designed to operate in a fault-produced electrical environment.



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(T)

**E. Service Performance Objective Classification (Cont'd)**

3. Because of the customer's need for service continuity during power system faults on some types of telecommunications services provided to power stations, the following system of Service Performance Objective Classifications has been established for the purpose of permitting the customer to specify the performance objectives for most types of telecommunications services provided to power stations.

- a. Class A

Non-interruptible service performance (must function before, during and after the power fault condition) for services requiring ac transmission only. Class A service cannot tolerate even a momentary service interruption. Non-tolerable service interruptions include both loss of dependability (failure to deliver a valid trip or control signal) and loss of security (delivery of a false trip or control signal).

- b. Class B

Self-restoring interruptible service performance (must function before and after the power fault condition) for any service. Class B service can tolerate a service interruption for the duration of a power system fault but service continuity must be restored immediately after the fault without requiring any repair personnel activity.

- c. Class C

(Normal service, does not require high voltage protection) Interruptible service performance (can tolerate a station visit to restore service) for power stations with a GPR less than 1000V peak-asymmetrical. Class C service can tolerate a service interruption which requires a station visit by repair personnel to restore service. Class C service cannot be provided in conjunction with Class A or Class B service.

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**12.3 MISCELLANEOUS SERVICES**

**12.3.5 PROTECTION SERVICE FOR HIGH VOLTAGE ENVIRONMENTS (Cont'd)**

(T)

F. Provision of High Voltage Protection Service

1. The Company or the customer may provide the high voltage protection.
2. The Company shall provide any required high voltage protection at the customer's premises and at the Company's CO at rates and charges as set forth in G., following. The Company will inspect and verify the protection when service is established at new or existing customer locations, and at future times as deemed necessary during changes, rearrangements or maintenance.
2. The Company reserves the right to suspend any service without adequate high voltage protection until adequate protection is provided.

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**12.3 MISCELLANEOUS SERVICES (Cont'd)**

**12.3.6 MANAGED LONG DISTANCE (MLD)**

(N)

A. General Description

Managed Long Distance (MLD) is a call management service that provides an IC's end user limited access to 1+ direct dialed long distance calling. Calls are routed through the MLD platform for monitoring, timing and voice prompts and subsequently routed to the IC's tandem switch. MLD enables participating ICs to serve end users without requiring a security deposit.

B. Terms and Conditions

1. The Company undertakes to provide MLD only in those end offices that are suitably equipped.
2. The Primary Interexchange Carrier and Local Interexchange Carrier (PIC/LPIC) must be the same.
3. The IC's end user customers are provided a \$20.00 per month spending limit from the 1st to the 30th of each month.
4. MLD rates are applied on a per minute of use basis. Fractional minutes of use will be rounded up to the next full minute.

C. Rates and Charges

	<b>RATE</b>
• Per minute of use	\$0.07

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**112. OBSOLETE ADDITIONAL ENGINEERING, ADDITIONAL LABOR  
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**112.3 MISCELLANEOUS SERVICES**

**112.3.1 PROTECTIVE CONNECTING ARRANGEMENTS**

	<b>USOC</b>	<b>RATES AND CHARGES</b>
• PCA which provides for connection of CPE automatic telephone answering devices to Company Access Services lines by means of a two-wire interface.	PA6++	ICB
• PCA for use with CPE answer only equipment where two-way transmission is required	PFZ++	ICB
• Same application as PFZ++ with voice control disconnect and automatic receive volume limiting.	PF9++	ICB
• PCA for use with CPE to provide data on PBX trunks. Also requires standard PBX trunk PCA.	PGA++	ICB
• PCA to permit connection of CPE message registers to Company Access Services for indications of message registration for outgoing calls over the associated central office trunks.	PGB++	ICB
• Alarm coupler for use with rotary dial, one-way transmission CPE alarm signaling device.	PHG++	ICB

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**112.3 MISCELLANEOUS SERVICES**

**112.3.1 PROTECTIVE CONNECTING ARRANGEMENTS (Cont'd)**

	<b>USOC</b>	<b>RATES AND CHARGES</b>
• PCA to permit the connection of CPE to a Company Switched Access Service arranged for two-way service, i.e., outward dialing by hotel/motel guests and rering by the operator of the IC long distance switchboard (the equivalent of a toll terminal).	PDA++	ICB
• PCA to provide for connection of CPE terminal equipment to Company Switched Access Service via three-wire interface	PDJ++	ICB
• PCA for connection of CPE voice communications systems and/or terminal equipment via two-wire interface to Company Switched Access Service (only loop start trunks not equipped for toll diversion).	PDK++	ICB
• Manual PCA used to connect a cord switchboard position of a CPE system, which provides supervisory signals, to Company Switched Access Service.	PDQ++	ICB

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**112.3 MISCELLANEOUS SERVICES**

**112.3.1 PROTECTIVE CONNECTING ARRANGEMENTS (Cont'd)**

	<b>USOC</b>	<b>RATES AND CHARGES</b>
• Automatic PCA used to connect Company Switched Access Service arranged for one-way incoming service to the attendant position of a CPE system.	PDV++	ICB
• Automatic PCA used to connect Company Switched Access Service arranged for one-way outgoing service from the attendant position to a CPE system.	PDZ++	ICB
• Automatic PCA used to connect Company Switched Access Service arranged for one-way outgoing service from the dial switching equipment of a CPE system.	PFA++	ICB
• Automatic PCA used to connect Company Switched Access Service arranged for one-way service, i.e., outward dialing by hotel/motel guests to the operator position (the equivalent of a toll terminal).	PFV++	ICB
• PCA to provide for connection of CPE originate only or originate and answer terminal equipment.	PFW++	ICB