

Original Sheet 1

TARIFF
OF
FRONTIER COMMUNICATIONS NORTHWEST INC.
Consisting of
INTRAEXCHANGE SPECIAL ACCESS SERVICES

Advice No. OR-10-01

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EXPLANATION OF SYMBOLS

- (C) - To signify changed condition, rule or regulation
- (D) - To signify discontinued material
- (I) - To signify increase
- (M) - To signify material transferred from one sheet to another sheet in the same or a different schedule
- (N) - To signify new material
- (R) - To signify reduction
- (T) - To signify a change in text but no change in rate, condition, rule or regulation

EXPLANATION OF ABBREVIATIONS

- ANI - Automatic Number Identification
- ARD - Automatic Ring down
- CDL - Customer Designated Location
- Cont'd - Continued
- DAM - Distance in Airline Miles
- dB - Decibel
- dBm - Decibels below one milliwatt
- dBmO - Transmission Level Referred to the Zero Transmission Level Point
- dBrnC0 - Decibel Reference Noise C-Message Weighted O
- dBv - Decibels Referred to One Volt
- dc - direct current
- DX - Duplex

INTRAEXCHANGE SPECIAL ACCESS SERVICES

EXPLANATION OF ABBREVIATIONS (Cont'd)

ELEPL	-	Equal Level Echo Path Loss
E&M	-	The Receive and Transmit Leads of a Signaling System
EML	-	Expected Measured Loss
EPL	-	Echo Path Loss
ERL	-	Echo Return Loss
f	-	frequency
FCC	-	Federal Communications Commission
FCO	-	Foreign Central Office
HC	-	High Capacity
Hz	-	Hertz
IA	-	Interface Arrangement
ICB	-	Individual Case Basis
ILP	-	Initial Liability Period
IP	-	Interconnection Point
kbps	-	kilobits per second
kHz	-	kilohertz
LATA	-	Local Access and Transport Area
LEC	-	Local Exchange Carrier

INTRAEXCHANGE SPECIAL ACCESS SERVICES

EXPLANATION OF ABBREVIATIONS (Cont'd)

Mbps	-	Megabits per second
MHz	-	Megahertz
MMC	-	Minimum Monthly Charge
MRC	-	Monthly Recurring Charge
MTL	-	Maximum Termination Liability
NA	-	Not Available
NRC	-	Nonrecurring Charge
OPS	-	Off-Premises Station
PBX	-	Private Branch Exchange
PCM	-	Pulse Code Modulation
POT	-	Point of Termination
RMC	-	Recurring Monthly Charge
rms	-	root-mean-square
SF	-	Single Frequency
SP	-	Signaling Point
SRL	-	Singing Return Loss
STP	-	Signal Transport Point
TLP	-	Transmission Level Point
UL	-	Underutilization Liability
VG	-	Voice Grade
V&H	-	Vertical & Horizontal

INTRAEXCHANGE SPECIAL ACCESS SERVICES

REFERENCE TO OTHER TARIFFS

Whenever reference is made in this tariff to other Oregon tariffs of Frontier Communications Northwest Inc., the reference is to the tariffs in force as of the effective date of this tariff, and to amendments thereto and successive issues thereof as approved by the Oregon Public Utilities Commission.

INTRAEXCHANGE SPECIAL ACCESS SERVICES

1. APPLICATION OF TARIFF

- 1.1 This tariff contains the definitions, regulations, rates and charges applicable to Intra-exchange Private Line Services, hereinafter referred to as Special Access Services, provided exclusively within the state of Oregon by Frontier Communications Northwest Inc., hereinafter referred to as the Telephone Company, to Intra LATA customers, subject to the jurisdiction of the Public Utility Commission of Oregon, where conditions and facilities permit. This tariff does not apply to other services offered by the Telephone Company.

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INTRAEXCHANGE SPECIAL ACCESS SERVICES

2. GENERAL REGULATIONS

2.1 Undertaking of the Telephone Company

2.1.1 Scope

- (A) The Telephone Company does not undertake to transmit calls under this tariff.
- (B) The Telephone Company shall be responsible only for the installation, operation, and maintenance of the services, which it provides.
- (C) The Telephone Company will, for maintenance purposes, test its facilities only to the extent necessary to detect and/or clear troubles. Testing beyond normal parameters will be done as described in P.U.C. OR. No. 12.
- (D) Special Access Services are provided twenty-four hours daily, seven days per week.

2.1.2 Limitations

- (A) The customer may not assign or transfer the use of service provided under this tariff except that, where there is no interruption of use or relocation of the service, 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 service, and the unexpired portion of the minimum period and the termination liability applicable to such service, 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 service, if any.

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

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

INTRAEXCHANGE SPECIAL ACCESS SERVICES

2. GENERAL REGULATIONS (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

2.1.2 Limitations (Cont'd)

- (B) The emergency provisioning and restoration of service shall be in accordance with Part 64, Subpart D, Paragraph 64.401, of the FCC's Rules and Regulations, which specifies the priority system for such activities. P.U.C. OR. No. 18, describes the service arrangement.
- (C) The Telephone Company does not warrant that its facilities and services meet standards other than those set forth in this tariff.

2.1.3 Liability

- (A) The Telephone Company's liability, if any, for willful misconduct is not limited by this tariff. With respect to any other claim or suit by a customer for damages associated with the installation, provision, termination, maintenance, repair or restoration of service, and subject to the provisions of (B) through (C), the Telephone Company's liability, if any, shall not exceed an amount equal to the proportionate charge for the service for the period during which the provision of service was affected. This liability for damages shall be in addition to any amounts that may otherwise be due to the customer under this tariff as a credit allowance for a provision of service interruption.
- (B) The Telephone Company shall not be liable for any act or omission of any customer providing a portion of a service, nor shall the Telephone Company, for its own act or omission, hold liable any customer providing a portion of a service.
- (C) The Telephone Company shall be indemnified, defended and held harmless by the customer against any claim, loss or damage arising from the use of service offered under this tariff. The foregoing indemnity shall issue on the customer or the end user separately, each being responsible for its own acts and omissions, involving:
 - (1) Claims for libel, slander, invasion of privacy, or infringement of copyright arising from any communications;
 - (2) Claims for patent infringement arising from combining or using the facilities furnished by the Telephone Company in connection with facilities or equipment furnished by the customer; or
 - (3) All other claims arising out of any act or omission of the customer or end user in the course of using facilities provided pursuant to this tariff.

INTRAEXCHANGE SPECIAL ACCESS SERVICES

2. GENERAL REGULATIONS (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

2.1.3 Liability (Cont'd)

- (D) The Telephone Company does not guarantee or make any warranty with respect to its facilities when used in an explosive atmosphere. The Telephone Company shall be indemnified, defended and held harmless by the customer or end user from any and all claims by any person relating to the service so provided. The foregoing indemnity shall issue on the customer or the end user separately, each being responsible for its own acts and omissions.
- (E) Except in the case of willful misconduct, under no circumstances whatever shall the Telephone Company be liable for indirect, incidental, special or consequential damages; and this disclaimer shall be effective notwithstanding any other provisions hereof.
- (F) No license under patents is granted by the Telephone Company to the customer or shall be implied or arise by estoppel in the customer's favor with respect to any circuit, apparatus, system or method used by the customer in connection with service provided under this tariff. With respect to claims of patent infringement made by third persons, the Telephone Company will defend, indemnify, protect and save harmless the customer from and against all claims arising out of the use by the customer of service provided under this tariff.
- (G) The Telephone Company's failure to provide or maintain facilities under this tariff shall be excused by labor difficulties, governmental orders, civil commotions, acts of God and other circumstances beyond the Telephone Company's reasonable control, subject to the interruption allowance provisions as specified in 2.4.4.
- (H) The Telephone Company shall reimburse the customer for damages to premises or equipment of the customer resulting from the provision of service by the Telephone Company on such premises, or by the installation or removal thereof; caused by the negligence or willful act of the Telephone Company.

INTRAEXCHANGE SPECIAL ACCESS SERVICES

2. GENERAL REGULATIONS (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

2.1.4 Provision of Service

(A) The Telephone Company, to the extent that such service is or can be made available with reasonable effort, and after provisions have been made for the Telephone Company's local service, will provide to the customer, upon reasonable notice, service offered in other applicable sections of this tariff at rates and charges specified therein.

(B) Service provided to a customer under this tariff may be connected directly to customer facilities.

2.1.5 Installation and Termination of Facilities

The facilities provided under this tariff (A) will include any entrance cable or drop wiring and wire or intra-building cable to that point where provision is made for termination of the Telephone Company's outside distribution network facilities at a suitable location inside a customer designated location (CDL), and (B) will be installed by the Telephone Company to such point of termination.

2.1.6 Maintenance of Services

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

2.1.7 Changes and Substitutions

Except as provided for equipment and systems subject to Part 68 of the FCC Rules and Regulations in 47 C.F.R. Paragraph 68.110 (b), the Telephone Company may, where such action is reasonably required in the operation of its business, substitute, change, or rearrange any telephone plant used in providing service under this tariff, change minimum network protection criteria, change operating or maintenance characteristics of facilities, or change operations or procedures of the Telephone Company. In case of any such substitution, change or rearrangement, the facility parameters will be within generally accepted standards. The Telephone Company shall not be responsible if any such substitution, change or rearrangement renders any customer furnished services obsolete or requires modification or alteration thereof or otherwise affects their use or performance. If such substitution, change, or rearrangement materially affects the operating characteristics or technical parameters of the service, as originally ordered by the customer, the Telephone Company will notify the customer in writing prior to making such substitution, change or rearrangement. Notification will be given as follows:

INTRAEXCHANGE SPECIAL ACCESS SERVICES

2. GENERAL REGULATIONS (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

2.1.7 Changes and Substitutions (Cont'd)

- Should a major change occur, the Telephone Company shall notify the customer at least one year in advance. A major change is described as any change in telephone plant which will affect the technical parameters of the interface (e.g., level, impedance, signaling, interface, bandwidth, two-wire, four-wire, etc.).
- Should a minor change occur, the Telephone Company shall notify the customer at least thirty days in advance. A minor change is described as any change in telephone plant which will not affect the technical parameters of the interface (e.g., level, impedance, signaling, interface, bandwidth, two-wire, four-wire, etc.).

The Telephone Company will work cooperatively with the customer relative to the redesign and implementation required by the change in operating characteristics.

2.1.8 Discontinuance and Refusal of Service

- (A) Unless the provisions of 2.2.1(B) apply, if the customer fails to comply with the provisions of 2.1.6, 2.3.1, and 2.4.1(D), including any payments to be made by it on the dates or at the times herein specified, and fails within five (5) days after written notice, from the Telephone Company to a person designated by the customer to correct such noncompliance, the Telephone Company may discontinue the provision of the service to the non-complying customer in accordance with the regulations in Oregon Administrative Rules 860-21-505 and 860-21-335. In case of such discontinuance, all applicable charges shall become due.
- (B) If the customer repeatedly fails to comply with the provisions of this tariff in connection with the provision of a service or group of services, and fails to correct such course of action after notice as described in (A), the Telephone Company may refuse applications for additional service to the non-complying customer until the course of action is corrected.

INTRAEXCHANGE SPECIAL ACCESS SERVICES

2. GENERAL REGULATIONS (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

2.1.9 Preemption of Service

In certain instances, i.e., when spare facilities and/or equipment are not available, it may be necessary to preempt existing services to provision or restore National Security Emergency Preparedness (NSEP) Services. If, in its best judgment, the Telephone Company deems it necessary to preempt, then the Telephone Company will ensure that:

- (A) The service(s) preempted have a lower or do not contain NSEP assigned priority levels.
- (B) A reasonable effort is made to notify the preempted service customer of the action to be taken.
- (C) A credit allowance for any preempted service shall be made in accordance with the provisions set forth in 2.4.4(A).

2.1.10 Limitation of Use of Metallic Facilities

Except for loop and duplex (DX) type signaling, metallic facilities shall not be used for ground return or split pair operation. Signals applied to the metallic facility shall conform to minimum protection criteria for direct electrical connections as set forth in Part 68 of the FCC Rules and Regulations. In the case of applications of dc telegraph signaling systems, the customer shall be responsible, at its expense, for the provision of current limitation devices to protect the Telephone Company's facilities from excessive current due to abnormal conditions and for the provision of noise mitigation networks when required to reduce excess noise.

Interoffice metallic facilities are limited. The offering for DC (Metallic) and telegraph-grades facilities and services was discontinued on October 25, 1991. Interoffice metallic facilities (wire pairs) are in diminishing supply, and can be expected to become less available as optical fiber is deployed and wire cables are removed. Following a one year written notification to customers, the Telephone Company reserves the right to convert customer requested metallic facilities to other types of outside plant facilities.

INTRAEXCHANGE SPECIAL ACCESS SERVICES

2. GENERAL REGULATIONS (Cont'd)

2.2 Use

2.2.1 Interference or Impairment

- (A) The characteristics and methods of operation of any circuits, facilities or equipment provided by other than the Telephone Company and associated with the facilities provided under this tariff shall not interfere with or impair service over any facilities of the Telephone Company, cause damage to the plant, impair the privacy of any communications carried over the facilities, or create hazards to the employees or to the public.
- (B) Except as provided for equipment or systems subject to Part 68 of the FCC Rules and Regulations in 47 C.F.R. Paragraph 68.108, if such characteristics or methods of operation are not in accordance with (A), the Telephone Company will, where practicable, notify the customer, as appropriate, that temporary discontinuance of the use of service may be required; however, where prior notice is not practicable, nothing contained herein shall be deemed to preclude the Telephone Company's right to temporarily discontinue forthwith the use of service if such action is reasonable in 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, allowance for interruption of service as set forth in 2.4.4, is not applicable.

2.2.2 Unlawful Use of Service

The services and facilities are furnished subject to the condition that they will not be used for an unlawful purpose. Service will be discontinued if any law enforcement agency, acting within its apparent jurisdiction, advises in writing that such services are being used in violation of law. The Telephone Company will refuse to furnish service when it has reasonable grounds to believe that such service will be used in violation of law.

INTRAEXCHANGE SPECIAL ACCESS SERVICES

2. GENERAL REGULATIONS (Cont'd)

2.3 Obligation of the Customer

2.3.1 Damages

The customer shall reimburse the Telephone Company for damages to the Telephone Company facilities utilized to provide service under this tariff caused by:

- the negligence or willful act of the customer, or
- the customer's improper use of the Telephone Company facilities, or
- the malfunction of any facilities or equipment provided by other than the Telephone Company.

Nothing in the foregoing provision shall be interpreted to hold one customer liable for another customer's actions. The Telephone Company will, upon reimbursement for damages, cooperate with the customer in prosecuting a claim against the person causing such damage and the customer shall be subrogated to the right of recovery by the Telephone Company for the damages to the extent of such payment. The amount of reimbursement shall be the actual cost of repair to the damaged facilities including labor costs as specified in P.U.C. OR. No. 18.

2.3.2 Theft

The customer shall reimburse the Telephone Company for any loss through theft of facilities, apparatus, or equipment utilized to provide service under this tariff at the customer designated location. The amount of reimbursement shall be the actual cost for replacement of facilities, apparatus, or equipment lost, plus labor costs as specified in P.U.C. OR. No. 18.

2.3.3 Equipment Space and Power

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

INTRAEXCHANGE SPECIAL ACCESS SERVICES

2. GENERAL REGULATIONS (Cont'd)

2.3 Obligation of the Customer (Cont'd)

2.3.4 Availability for Testing

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

2.3.5 Balance

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

2.3.6 Design of Customer Services

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

2.3.7 References to Telephone Company

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

2.3.8 Claims and Demands for Damages

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

INTRAEXCHANGE SPECIAL ACCESS SERVICES

2. GENERAL REGULATIONS (Cont'd)

2.3 Obligation of the Customer (Cont'd)

2.3.8 Claims and Demands for Damages (Cont'd)

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

2.3.9 Coordination With Respect to Network Contingencies

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

2.4 Payment Arrangements and Credit Allowances

2.4.1 Payment of Charges and Deposits

- (A) The Telephone Company may, in order to safeguard its interests, require a customer, which has a proven history of late payments to the Telephone Company or does not have established credit, to make a deposit prior to or at any time after the provision of the service to the customer to be held by the Telephone Company as a guarantee of the payment of rates and charges. No such deposit will be required of a customer which is a successor of a company which has established credit and has no history of late payments to the Telephone Company.

A deposit may not exceed the actual or estimated rates and charges for the service for a two month period. The fact that a deposit has been made in no way relieves the customer from complying with the Telephone Company's regulations as to the prompt payment of bills.

At such time as the provision of the service to the customer is terminated, the amount of the deposit will be credited to the customer's account and any credit balance which may remain will be refunded. After the customer has established a one year prompt payment record, such a deposit will be refunded or credited to the customer's account at any time prior to the termination of the provision of the service to the customer.

In case of a cash deposit, for the period the deposit is held by the Telephone Company, the customer will receive simple annual interest at the percentage rate specified in P.U.C. OR. No. 18.

INTRAEXCHANGE SPECIAL ACCESS SERVICES

2. GENERAL REGULATIONS (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.1 Payment of Charges and Deposits (Cont'd)

- (B) Where the provision of service requires facilities that meet any of the conditions specified in Section 5.1.1. Special Construction charges in Section 5 will apply.
- (C) The Telephone Company shall bill services on a current basis for (a) all charges incurred, (b) applicable taxes, and (c) credits due the customer.

Special Access shall be billed in advance except for the charges and credits associated with the initial or final bills. The initial bill will also include charges for the actual period of service up to, but not including, the bill date. The unused portion of the service already billed will be credited on the final bill.

- (D) All bills to the customer are due when rendered unless otherwise specified on the bill and are considered past due 15 days after the bill date. Bills may be paid at any Business Office of the Telephone Company or at any Agency authorized to receive such payments.

Customers may designate a third party to receive bills and notices. When the Telephone Company receives such designation, it shall send bills and notices required under these rules to the representative, with duplicate copies of disconnect notices also served on the customer.

When an under or overbilling occurs, the Telephone company shall provide written notice to the customer detailing the circumstances, period of time, and amount of adjustment. If it can be shown that the error was due to some cause, the date of which can be fixed, the over or undercharge shall be computed back to such date. If no date can be fixed, the Telephone Company shall refund the overcharge or re-bill the undercharge for no more than six months. In no event shall an over or under billing be for more than three years.

Where a customer is required to repay an under billing, the customer shall be entitled to enter into a time payment agreement. If the customer and Telephone Company cannot agree upon payment terms, the Commission shall establish terms and conditions to govern the repayment obligation. The Telephone Company shall provide written notice advising the customer of the opportunity to enter into a time payment agreement and of the Commission's appeal and complaint process.

Where a customer owes a balance to the Telephone Company from the customer's prior account for Oregon service, the Telephone Company may transfer the amount to the customer's current account in accordance with the regulations involving Transfer Billings included in Sub-chapter 860-21-334 of the Oregon Administrative Rules (OAR). The text of the OAR is available for customer inspection upon request.

INTRAEXCHANGE SPECIAL ACCESS SERVICES

2. GENERAL REGULATIONS (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.2 Minimum Periods

- (A) The minimum periods for which service is provided and for which rates and charges are applicable is one month from the date service or additions to service are established.
- (B) For discontinuances of service with a one month minimum period, all applicable charges for the one month period will apply.

2.4.3 Cancellation of an Order

Provisions for the cancellation of an Order are described in Section 3.2.4.

INTRAEXCHANGE SPECIAL ACCESS SERVICES

2. GENERAL REGULATIONS (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.4 Credit Allowance for Service Interruptions

(A) General

A service is interrupted when it becomes unusable to the customer because of a failure of a Telephone company provided component used to furnish service under this tariff, or when the service was preempted as a result of invoking NSEP treatment. An interruption period starts when Telephone Company personnel become aware that the service is inoperative.

The credit allowance(s) for an interruption or a series of interruptions will be based upon the billing method, which applies to the service being credited. In no case will the credit allowance for interruptions exceed the applicable charges for the billing period during which the interruption occurred.

A credit allowance for any Special Access service will apply for the period specified as follows:

When the customer's services is interrupted other than by negligence or willful act of the customer, a credit allowance will be made for an interruption period of 24 hours or more. The allowance will be calculated at the rate of 1/30 of the monthly charge for each 24 hours or a fraction thereof that the interruption continues.

(B) When Credit Allowance Does Not Apply

No credit allowance will be made for:

- (1) Interruptions caused by the negligence of the customer.
- (2) Interruptions of a service due to the failure of equipment or systems provided by the customer or others.
- (3) Interruptions of a service during any period in which the Telephone Company is not afforded access to the premises where the facility is terminated.
- (4) Interruptions of a service during an agreed upon period when the customer has released the facilities to the Telephone Company for maintenance purposes, to make rearrangements, or for the implementation of an Order for a change in the service. Should the maintenance, rearrangement, or Order implementation interruption period extend beyond the agreed upon period, credit allowance will apply.

INTRAEXCHANGE SPECIAL ACCESS SERVICES

2. GENERAL REGULATIONS (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.4 Credit Allowance for Service Interruptions (Cont'd)

(B) When Credit Allowance Does Not Apply (Cont'd)

- (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 Section 5. The period for which no credit allowance is made begins on the seventh day after the Telephone Company's written notification to the customer of the need for such replacement and ends on the day after receipt of the customer's written authorization for such replacement.
- (6) Periods when the customer elects not to release the facilities for testing and/or repair and continues to use it on an impaired basis.
- (7) An interruption or a group of interruptions, resulting from a common cause, for amounts less than one dollar.

(C) Use of an Alternative Service Provided by the Telephone Company

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

(D) Temporary Surrender of a Facility

In certain instances, the customer may be requested to surrender a facility for purposes other than maintenance, testing or activity relating to an Order. If the customer consents, or in the instance of preemption under NSEP treatment as set forth in P.U.C. OR. No. 18, a credit allowance will be granted. The credit allowance will be determined in accordance with 2.4.4(A).

INTRAEXCHANGE SPECIAL ACCESS SERVICES

2. GENERAL REGULATIONS (Cont'd)

2.5 Connections

Equipment and systems (i.e., terminal equipment, and communication systems) may be connected with Special Access furnished by the Telephone Company where such connection is made in accordance with the provisions specified in 2.1.

2.6 Definitions

Certain terms used herein are defined as follows:

Attenuation Distortion

The term "Attenuation Distortions" denotes the difference in loss at specified frequencies relative to the loss at 1004 Hz.

Bridging

The term "Bridging" denotes the connection of one or more circuits in parallel with another circuit without interrupting the continuity of the first circuit.

Bridging Wire Center

The term "Bridging Wire Center" denotes the Telephone Company designated wire center in which bridging is accomplished.

C-Conditioning

The term "C-Conditioning" denotes a Telephone Company special treatment of the transmission path in order to control attenuation and envelope delay distortion.

INTRAEXCHANGE SPECIAL ACCESS SERVICES

2. GENERAL REGULATIONS (Cont'd)

2.6 Definitions (Continued)

C-Message Noise

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

C-Notched Noise

The term "C-Notched Noise" denotes the frequency weighted noise on a voice circuit with a holding tone, which is removed at the measuring end through a notch (very narrow band) filter.

Channelize

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

Circuit

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

Customer

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

Customer Designated Location

The term "Customer Designated Location" (CDL) denotes a location specified by the customer for the purpose of terminating services. The Telephone Company must have access to the location to perform installation, testing, and maintenance functions. The customer may or may not have access to the location. CDLs include locations such as customer premises, end user premises, customer repeater stations, customer microwave towers, some other point where Telephone Company testing can occur, etc.

D-Conditioning

The term "D-Conditioning" denotes a Telephone Company special treatment of the transmission path in order to control C-notched noise and inter-modulation distortion.

INTRAEXCHANGE SPECIAL ACCESS SERVICES

2. GENERAL REGULATIONS (Cont'd)

2.6 Definitions (Cont'd)

Echo Path Loss

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

Echo Return Loss

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

End User

The term "End User" means any customer of an intrastate telecommunications service that is not a carrier, except that a carrier, other than the Telephone Company, shall be deemed to be an end user" to the extent that such carrier uses a telecommunications service for administrative purposes, and a person or entity that offers telecommunications services exclusively as a reseller shall be deemed to be an "end user" if all resale transmissions offered by such reseller originate on the premises of such reseller (e.g., hotels, and shared tenant services).

Engineering Review

The term "Engineering Review" denotes the examination of an Order with a customer requested change to determine if a design change is required. It includes, but is not limited to, the review for possible change requirements in equipment, interfaces, circuit configurations, engineering records, and billing.

Excess Capacity

Term "Excess Capacity" denotes a quantity of facilities requested by the customer which is greater than that which the Telephone Company would construct to fulfill the customer's Order.

Exchange

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

Facility

The term "Facility" denotes generically the various transmission media used for the transmission of telecommunication services. This includes, but is not limited to, cable (copper pair, coaxial, and fiber optic) and microwave radio equipment.

INTRAEXCHANGE SPECIAL ACCESS SERVICES

2. GENERAL REGULATIONS (Cont'd)

2.6 Definitions (Cont'd)

Four Wire to Two-Wire Conversion

The term "Four-Wire to Two-Wire Conversion" denotes an arrangement, which converts a four-wire transmission path to a two-wire transmission path to allow a four-wire facility to terminate in a two-wire entity such as a central office switch trunk circuit or switching system.

Hub Wire Center

The term "Hub Wire Center" denotes a telephone company designated serving wire center at which bridging or multiplexing arrangements are provided.

Individual Case Basis

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

Installed Cost

The term "Installed Cost" denotes the total investment (estimated or actual) by the Telephone Company to provide facilities for the offered services.

Inter-modulation Distortion

The term "Inter-modulation Distortion" denotes a measure of the nonlinearity of a circuit. It is measured using four tones, and evaluating the ratios (in dBs) of the transmitted composite four-tone signal power to the second-order products of the tones (R2), and the third-order products of the tones (R3).

Intrastate Communications

The term "Intrastate Communications" denotes any communications within a state subject to oversight by a state regulatory commission as provided by the laws of the State of Oregon.

Local Access and Transport Area

The term "Local Access and Transport Area" (LATA) denotes a geographic area for the provision and administration of communications service. It encompasses designated Access Areas, which are grouped to serve common social, economic, and other purposes.

INTRAEXCHANGE SPECIAL ACCESS SERVICES

2. GENERAL REGULATIONS (Cont'd)

2.6 Definitions (Cont'd)

Maximum Termination Liability

The term "Maximum Termination Liability" (MTL) denotes the maximum amount of money for which the customer is liable in the event all facilities ordered in a Special Construction case are discontinued before a specified period of time.

Maximum Termination Liability Period

The term "Maximum Termination Liability Period" denotes the length of time the customer is liable for a termination charge in the event specially constructed facilities are terminated. The MTL period is equal to the average account life of the facilities provided.

Mid Link

The term "Mid Link" denotes the Special Transport facilities between Hub Wire Centers where the circuit is bridged and/or where switching devices such as a loop transfer arrangement are located.

National Security Emergency Preparedness (NSEP) Services

The term "National Security Emergency Preparedness (NSEP)" services denotes telecommunications services which are used to maintain a state of readiness or to respond to and manage any event or crisis (local, national or international), which causes or could cause injury or harm to the population, damage to or loss of property, or degrades or threatens the NSEP posture of the United States.

Net Salvage

The term "Net Salvage" denotes the estimated scrap, sale, or trade-in value, less the estimated cost of removal. Cost of removal includes the costs of demolishing, tearing down, removing, or otherwise disposing of the material and any other applicable costs. Because the cost of removal may exceed salvage, facilities may have negative net salvage.

Network Channel Interface Code

The "Network Channel Interface" code (NCI) is an ordering code that provides an indication of the generic channel type. The NCI code provides the technical characteristics of the interface and describes the physical and electrical characteristics of the special access interface to the CDLs.

INTRAEXCHANGE SPECIAL ACCESS SERVICES

2. GENERAL REGULATIONS (Cont'd)

2.6 Definitions (Cont'd)

Non-recoverable Cost

The term "Non-recoverable Cost" denotes the cost of specially constructed facilities for which the Telephone Company has no foreseeable use should the customer terminate service.

NSEP Treatment

The term "NSEP Treatment" denotes the provisioning of a telecommunications service before others based on the provisioning priority level assigned by the Executive Office of the President.

Order

The term "Order" denotes a document used by the Telephone Company to process a customer's request for Access Services as offered throughout this tariff.

Point of Termination

The term "Point of Termination" denotes the point of demarcation at a CDL or customer premises at which the Telephone Company's responsibility for the provision of service ends.

Premises

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

Recoverable Cost

The term "Recoverable Cost" denotes the cost of specially constructed facilities for which the Telephone Company has a foreseeable reuse, either in place or elsewhere should the customer terminate service.

Registered Equipment

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

INTRAEXCHANGE SPECIAL ACCESS SERVICES

2. GENERAL REGULATIONS (Cont'd)

2.6 Definitions (Cont'd)

Service Date

The term "Service Date" denotes the date that the Special Access is to be placed in service.

Synchronous Test Line

The term "Synchronous Test Line" denotes an arrangement of an end office, which performs marginal operational tests of supervisory and ring-tripping functions.

Temporary Facilities

The term "Temporary Facilities" denotes facilities used to provide Special Access Service to a customer for less than the minimum service period or less than one month, whichever is longer, or to provide Special Access Service while permanent facilities are being constructed.

V&H Coordinates Method

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

Wire Center

The term "Wire Center" denotes a location in which one or more central office switches, and cross connection equipment used for the provision of Telephone Company telecommunications services, are located.

Wire Center Area

The term "Wire Center Area" denotes the geographic area served by a Wire Center through the use of central office switching equipment, cross connection equipment, and subscriber loops.

INTRAEXCHANGE SPECIAL ACCESS SERVICES

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INTRAEXCHANGE SPECIAL ACCESS SERVICES

3. ORDERING OPTIONS FOR SPECIAL ACCESS SERVICE

3.1 General

This section sets forth the regulations and order related charges for Special Access Orders to provide the customer with service. These charges are in addition to other applicable charges as set forth in other sections of this tariff.

3.1.1 Ordering Conditions

- (A) A customer may order any amount of Special Access Service of the same interface type, or same Special Access between the same locations on a single Order.
- (B) The customer shall supply all details necessary to complete an Order. The details may include the following: requested service date, customer name, CDL, end office, Interface Arrangement, type of Special Access, Supplemental Features, and Signaling Interface. The customer may also be required to provide end user name and location, end user contact person, and end user access hours to complete an Order for Special Access.
- (C) The provision of Special Access requires the selection of a Terminating Option as defined in Section 4.3. When a customer orders a Fiber Connect SAL he must specify, whether the interface is to be an electrical or optical termination and indicate the Network Channel interface (NCI) code on the Order. The customer must order Fiber Connect as four DS1s.

3.1.2 Provision of Other Services

- (A) At the option of a customer, Additional Labor, Telecommunications Service Priority (TSP), Testing and Special Routing services may be ordered with an Order at the same time the Order is accepted by the Telephone Company. Such requests will be considered to be supplemental to the Order. The rates and charges for these services as specified in P.U.C. OR. No. 18 and will apply in addition to the ordering charges specified in this section and the rates and charges for the Special Access with which they are associated.
- (B) The items listed in (A) may subsequently be added to the Order at any time, up to and including the service date established by the Order. When ordered subsequently, charges for Order modifications as described in 3.2.1 will apply.

INTRAEXCHANGE SPECIAL ACCESS SERVICES

3. ORDERING OPTIONS FOR SPECIAL ACCESS SERVICE (Cont'd)

3.1 General (Cont'd)

3.1.3 Special Construction

The regulations, rates and charges for Special Construction as set forth in Section 5 are in addition to the regulations, rates and charges specified in this section.

3.2 Order Regulations

An Order is used by the Telephone Company to receive orders for the Special Access Service requested by the customer.

3.2.1 Order Modifications

The customer may request a modification of its Order prior to the service date. The Telephone Company will make every effort to accommodate a requested modification when it is able to do so with the normal work force assigned to complete such an Order within normal business hours. If the modification cannot be made with the normal work force during normal business hours, the Telephone Company will notify the customer. If the customer still desires the Order modification, the Telephone Company will schedule a new service date. All charges for Order modifications will apply on a per occurrence basis. Where a new Order may be required the appropriate charges as set forth in other sections of this tariff will be applicable.

Any increase in the number of Special Access circuits will require the issuance of a new Order for the incremental capacity.

INTRAEXCHANGE SPECIAL ACCESS SERVICES

3. ORDERING OPTIONS FOR SPECIAL ACCESS SERVICE (Cont'd)

3.2 Order Regulations (Cont'd)

3.2.1 Order Modifications (Cont'd)

(A) Service Date Change Charge

Order service dates may be changed, however a Service Date Change Charge will apply for each service date change after the scheduled issue date of the original Order.

The new service date may not exceed the original service date by more than 30 days. If the requested service date is more than 30 days after the original service date, the Order will be considered canceled by the Telephone Company and cancellation charges in 3.2.4 will apply. A new Order will be issued with the new service date.

For Special Access, the new service date may not exceed the original service date by more than 30 calendar days. If the requested service date is more than 30 calendar days after the original service date, the Order will be canceled by the Telephone Company. Cancellation charges in 3.2.4 will apply and the Order will be reissued with the new service date.

With the agreement of the Telephone Company, a new service date may be established that is prior to the original service date and the provisions in 3.2.1(E) will apply in addition to the Service Date Change Charge.

	<u>Rate</u>
Service Date Change Charge (SUM-L)	\$35.24

INTRAEXCHANGE SPECIAL ACCESS SERVICES

3. ORDERING OPTIONS FOR SPECIAL ACCESS SERVICE (Cont'd)

3.2 Order Regulations (Cont'd)

3.2.1 Order Modifications (Cont'd)

(B) Partial Cancellation Charge

Any decrease in the number of Special Access circuits will be treated as a partial cancellation.

When a customer partially cancels the service ordered on an Order, charges will apply as follows:

- (1) When an Order for Special Access Service is partially cancelled on or after the Telephone Company issues the Order to the associated work groups and before the Plant Test Date, the associated Initial Ordering Charge - Special Access will apply, plus the Subsequent Ordering Charge Special Access as set forth in Section 4.6.1(C) will also apply for the reissuance of a supplement order.

When an Order is partially cancelled on or after the Plant Test Date, the Initial and Subsequent Ordering Charges will apply, plus the installation Charge(s) associated with the items canceled.

(C) Discontinuance of Service

A customer may discontinue service at any time. The request for discontinuance of service must be received by the Telephone Company at least two business days prior to the date on which service is to be disconnected and billing discontinued. The request may be verbal or written, however, a verbal request, when requested by the Telephone Company, must be followed, within ten days, by written confirmation. The written confirmation serves as a confirmation of the verbal request rather than a request itself.

The customer must notify the Telephone Company of a delay or cancellation in the discontinuance request prior to the disconnect date. The Telephone Company, where possible, will change the disconnect date in accordance with such a request. Billing and service will then continue until the new requested disconnect date. If a service is discontinued prior to the expiration of the Minimum Period in 3.2.2, the Minimum Period Charges in 3.2.3, may apply.

INTRAEXCHANGE SPECIAL ACCESS SERVICES

3. ORDERING OPTIONS FOR SPECIAL ACCESS SERVICE (Cont'd)

3.2 Order Regulations (Cont'd)

3.2.1 Order Modifications (Cont'd)

(D) Design Change Charge

The customer may request a design change to a pending Order for Special Access. A design change is a change which requires engineering review. The regulations, rates and charges for a design change are as described in Section 4.6.1(C)(3) and are in addition to the regulations, rates and charges specified in this section.

(E) Requests for Expedition

A customer may request an expedited service date. When this situation occurs, charges will be applicable as specified in P.U.C. OR. No. 18. The Telephone Company will provide an estimate of the charges to the customer. The customer must accept the price estimate prior to the Telephone Company's performing the expedite.

3.2.2 Minimum Period

- (A) The Minimum Period for which Special Access is provided and for which charges are applicable, is one month, except as in (B).
- (B) The Minimum Period for Program Audio Special Access is the minimum period for which rates are established.
- (C) The Minimum Period for facilities provided under Special Construction provisions and for which charges are applicable.

INTRAEXCHANGE SPECIAL ACCESS SERVICES

3. ORDERING OPTIONS FOR SPECIAL ACCESS SERVICE (Cont'd)

3.2 Order Regulations (Cont'd)

3.2.3 Minimum Period Charges

When Special Access Service is discontinued prior to the expiration of the Minimum Period, charges are applicable for the remaining month(s) and/or fraction thereof of the Minimum Period.

- (A) For Special Access, the charge is the applicable monthly rate for the service(s) in Section 4.7.
- (B) For part-time or occasional program audio Special Access services, the rates in Section 4.6.1 and 4.7.3 through 4.7.6 will apply.

3.2.4 Cancellation of an Order

- (A) A customer may cancel ordered facilities on any date prior to the service date. The cancellation date is the date the Telephone Company receives written or verbal notice from the customer that the Order is to be cancelled. The verbal notice, when requested by the Telephone Company, must be followed by written confirmation within 10 days.

If a customer is unable to accept service within 30 calendar days of the original service date, the Order shall be canceled and charges in (C) will apply.

In such instances, the cancellation date shall be the 31st calendar day beyond the original service date of the Order.

INTRAEXCHANGE SPECIAL ACCESS SERVICES

3. ORDERING OPTIONS FOR SPECIAL ACCESS SERVICE (Cont'd)

3.2 Order Regulations (Cont'd)

3.2.4 Cancellation of an Order (Cont'd)

(B) Order costs are considered to have started when the Telephone Company incurs any cost in connection therewith or in preparation thereof which would not otherwise have been incurred. These costs include but are not limited to preliminary engineering, orders to suppliers, and other similar items of cost. For purposes of determining cancellation charges, the costs are considered to have started the day the Telephone Company is scheduled to issue the confirmed Order to all associated work groups. The customer will be notified of the confirmed installation date. The cancellation charges will not apply until the customer is notified of such charges.

(C) When a customer cancels an Order for the installation of new service, or an Order to modify to existing service, charges will apply as follows:

(1) When an Order is canceled on or after the Scheduled Issue Date and before the Plant Test Date, the appropriate Service Ordering Charge will apply as set forth in Section 4.6.1(C)(1).

When an Order is canceled on or after the Plant Test Date, the Initial or Subsequent Ordering Charge and Service Installation Charges will apply as specified in Section 4.6.1(C), plus any Installation Charges associated with supplemental features or multiplexing arrangements.

INTRAEXCHANGE SPECIAL ACCESS SERVICES

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(T)

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INTRAEXCHANGE SPECIAL ACCESS SERVICES

4. SPECIAL ACCESS

4.1 General

Special Access provides a transmission path to connect CDLs* within a LATA for Intrastate Intra-exchange Telecommunications. Special Access provided to a customer may be connected directly to customer facilities, through Telephone Company Hub Wire Centers where bridging or multiplexing functions are performed.

Special Access can be provided in either analog or digital format. Analog formats are differentiated by spectrum and bandwidth. Digital formats are differentiated by bit rate. The specific types of Special Access (e.g., Voice band, Program Audio Service) provided are described in 4.2.

4.1.1 Rate Elements

There are five basic rate elements which apply to Special Access Service:

Special Transport [described in 4.1.1(A)]
Special Transport Termination [described in 4.1.1(E)] Special Access Line [described in 4.1.1(B)]
Supplemental Features [described in 4.4]
Multiplexing Arrangements [described in 4.5]

(A) Special Transport

- (1) The Special Transport rate element provides for the transmission facilities between the serving wire centers associated with two CDLs, between a serving wire center associated with a CDL and a Telephone Company Hub Wire Center or between two Telephone Company Hub Wire Centers.

The Special Transport element is distance sensitive and varies with type of capability (i.e., analog or digital) and type of facility (e.g., Voice band, High Capacity Digital Service, etc.).

- (2) For Fractional T1 (FT1) service, Special Transport must be ordered as Fractional Special Transport in the same grouping (N x 56 Kbps or N x 64 Kbps where N = 2, 4, or 6) as the associated FT1 SALs.

* Telephone Company Centrex CO-like switches are considered to be CDLs for the purposes of this tariff.

INTRAEXCHANGE SPECIAL ACCESS SERVICES

4. SPECIAL ACCESS (Cont'd)

4.1 General (Cont'd)

4.1.1 Rate Elements (Cont'd)

(B) Special Access Line (SAL)

- (1) A Special Access Line provides the transmission facilities to a Customer Designated Location (CDL) or the facilities between a CDL and the serving wire center. This rate element varies by type of capability (i.e., analog or digital) and type of facility (e.g., Voice band, High Capacity Digital Service, etc.).

The selection of a Terminating Option, as defined in 4.3, is required for terminating the network portion of a Special Access Line at a CDL. Terminating Options provide a clearly delineated interface which facilitates the design, isolation and testing of the Special Access Line.

One Special Access Line charge applies per CDL at which the facility is terminated. This charge applies even if the facilities to the CDL do not transit a serving wire center; this charge also applies even if the CDL and the serving wire center are co-located in a Telephone Company building.

The DS1 Special Access Line provided under this tariff will not be billed when used with Integrated Services Digital Network (ISDN) Primary Rate Interface (PRI) that uses alternate higher capacity digital facilities for the loop transport. This includes, i.e., providing service under the Tariff FCC No. 14 – Optical Networking when the optical node is at the same location, DS3s, or comparable local tariffs and special assemblies. A DS1 Special Access Line provided to the serving wire center at which the customer obtains ISDN PRI Service will be transmitted with B8ZS Clear Channel Capability per Technical Reference Publication GR-342, Issue 1.

(C) Supplemental Features

Supplemental Features may be added to a Special Access circuit to improve its quality or utility to meet specific communications requirements. These are not necessarily identifiable with specific facilities, but rather represent the end result in terms of performance characteristics, which may be obtained. These characteristics may be obtained by using various combinations of facilities. Although the facilities necessary to perform a specified function may be installed at various locations along the path of the Special Access circuit, including the CDL, it will be provided for as a single rate element.

Examples of Supplemental Features that are available include, but are not limited to, bridging and conditioning. Each Supplemental Feature is described in 4.4, and rates are set forth in 4.7.

INTRAEXCHANGE SPECIAL ACCESS SERVICES

4. SPECIAL ACCESS (Cont'd)

4.1 General (Cont'd)

4.1.1 Rate Elements (Cont'd)

(D) Multiplexing Arrangements

Multiplexing provides for arrangements to convert a single higher capacity or bandwidth circuit for bulk transport to several lower capacity or bandwidth circuits. Multiplexing is only available at a Telephone Company designated Hub Wire Center arranged for multiplexing. All types of multiplexing may not be available at each Hub Wire Center. Refer to Section 4.6.5 for a description of Hub Wire Center. Descriptions for each type of multiplexing arrangement are provided in 4.5, and rates are set forth in 4.7.

(E) Special Transport Termination (Cont'd)

(1) Fractional T1 (FT1) and Fiber Connect Service (Cont'd)

(T)

For Fractional T1 Service, Special Transport Termination must be ordered as Fractional Special Transport Termination in the same grouping (N x 56 Kbps or N x 64 Kbps where N = 2, 4, or 6) as the associated FT1 SALs.

4.1.2 Special Access Configurations

There are two types of facility configurations over which Special Access Services are provided: two-point and multipoint.

(A) Two-point Service

A two-point configuration is a circuit which is provided to connect two CDLs, either directly connected or through a Hub Wire Center where multiplexing functions are performed.

All Special Access offerings may be provided as a two-point configuration.

The applicable rate elements are:

- Special Access Lines
- Special Transport (when applicable)
- Special Transport Termination (when applicable)
- Supplemental Features (when applicable)
- Multiplexing Arrangements (when applicable)

INTRAEXCHANGE SPECIAL ACCESS SERVICES

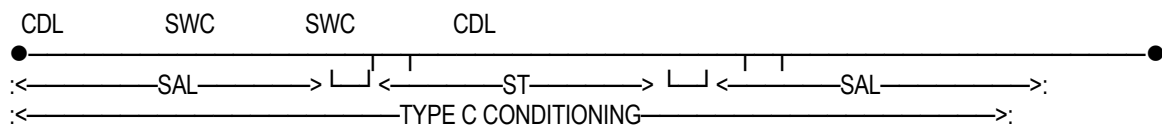
4. SPECIAL ACCESS (Cont'd)

4.1 General (Cont'd)

4.1.2 Special Access Configurations (Cont'd)

(A) Two-point Service (Cont'd)

The following diagram depicts a typical two-point service connecting two CDLs. The service is provided with the supplemental feature of Type C Conditioning:



SAL - Special Access Line
ST - Special Transport
SWC - Serving Wire Center
CDL - Customer Designated Location

The applicable rate elements are:

- Special Access Line (2 applicable)
- Special Transport (per airline mile between SWCs)
- Supplemental Feature of Type C Conditioning (2 applicable)

INTRAEXCHANGE SPECIAL ACCESS SERVICES

4. SPECIAL ACCESS (Cont'd)

4.1 General (Cont'd)

4.1.2 Special Access Configurations (Cont'd)

(B) Multipoint Service

A multipoint configuration is a circuit that is provided to connect three or more CDLs through a Telephone Company Hub Wire Center.

Only Voice band and Program Audio Service facilities will be provided as multipoint configurations. There is no limitation on the number of mid-links, but the use of more than three mid-links in tandem may degrade the quality of the multipoint facilities. A mid-link is defined as the Special Transport facilities between Hub Wire Centers where the circuit is bridged and/or where circuit-switching devices, such as loop transfer arrangement, are located.

Multipoint service is provided in the following manner:

- (1) Special Access Line per CDL to their respective serving wire centers.
- (2) Special Transport between serving wire centers associated with the CDLs and the Hub Wire Center.
- (3) Special Transport between Hub Wire Centers.
- (4) Supplemental Features: Bridging equipment for each bridging location and other Supplemental Features when applicable.
- (5) Special Transport Termination (when applicable) at each end of the Special Transport Facility terminating in a serving wire center.
- (6) Multiplexing Arrangements when applicable.

INTRAEXCHANGE SPECIAL ACCESS SERVICES

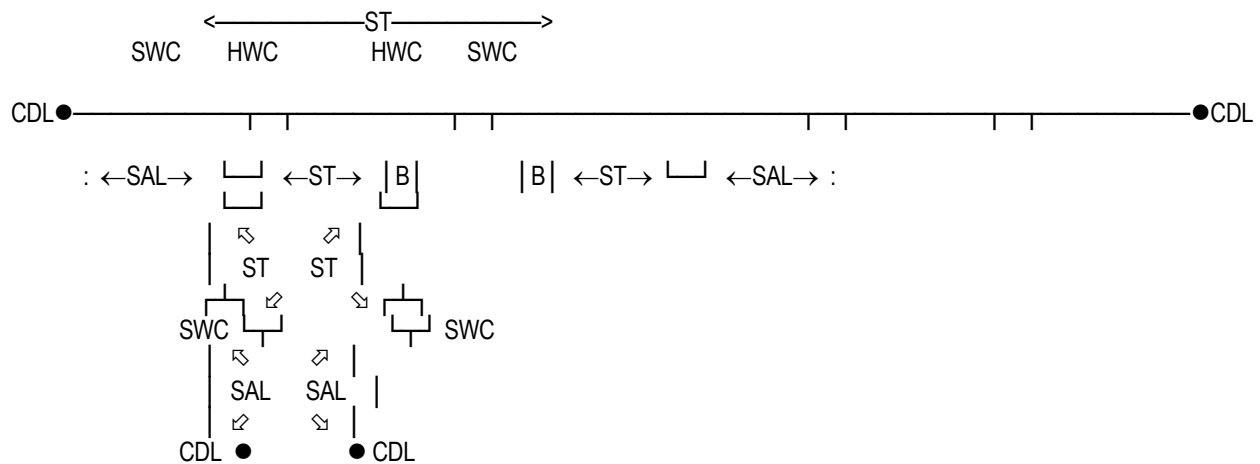
4. SPECIAL ACCESS (Cont'd)

4.1 General (Cont'd)

4.1.2 Special Access Configurations (Cont'd)

(B) Multipoint Service (Cont'd)

The following diagram depicts a multipoint service connecting four CDLs via two customer specified Hub Wire Centers:



SAL - Special Access Line
ST - Special Transport
SWC - Serving Wire Center
CDL - Customer Designated Location
HWC - Hub Wire Center
B - Bridging

The applicable rate elements are:

- Special Access Lines (4 applicable)
- Special Transport (5 segments, per airline between SWCs and HWCs)
- Bridging (6 applicable, one per bridge port)

INTRAEXCHANGE SPECIAL ACCESS SERVICES

4. SPECIAL ACCESS (Cont'd)

4.1 General (Cont'd)

4.1.3 Special Facilities Routing

Special Access Services furnished under this tariff are provided over routes selected by the Telephone Company. A customer may request that the facilities used to provide Special Access service be specially routed, subject to the availability of facilities at appropriate rates and charges specified in P.U.C. OR. No. 12. The regulations, rates and charges for Special Facilities Routing (i.e., Avoidance, Diversity and Cable-Only) are as set forth in P.U.C. OR. No. 12.

4.1.4 Acceptance Testing

At the time of installation, the following test parameters apply:

- (A) For Voice band services, acceptance testing will include tests for loss, 3-tone slope, DC continuity, operational signaling, C-notched noise, and C-message noise.

When the Interface Arrangement provides a four-wire voice transmission facility and the point of termination provides two-wire voice transmission (i.e., there is a four-wire to two-wire conversion at the point of termination) balance tests are also included in acceptance testing. When performing installation and acceptance testing, the Telephone Company will test the access service within the LATA.

On four-wire and effective four-wire circuits where the Network Channel Terminating Equipment (NCTE) has the capability of being remotely aligned, the Telephone Company may perform acceptance testing without a Telephone Company technician at the customer's premise. Should the customer request a technician be present at the customer's premise, additional charges will apply as set forth in P.U.C. OR. No. 12. The applicable rates are in P.U.C. OR. No. 12.

If the NCTE at the customer's premise does not have the capability of being aligned remotely, the additional charges will not apply. The Telephone Company will determine the type of NCTE placed at a customer's premises.

INTRAEXCHANGE SPECIAL ACCESS SERVICES

4. SPECIAL ACCESS (Cont'd)

4.1 General (Cont'd)

4.1.4 Acceptance Testing (Cont'd)

- (B) For other analog services (i.e., Program Audio) and for digital services (i.e., High Capacity Digital Services), acceptance testing will include tests for the parameters applicable to the service as set forth in Section 7000 of the Industry Standard Technical Interface Reference Manual for each of these services.

When the customer requests the performance of additional cooperative tests which are not required to meet these specified performance parameters, charges as set forth in P.U.C. OR. No. 12, will apply. All test results will be made available to the customer upon request.

If acceptance tests are not started within 15 minutes after pre-service tests have been completed and the customer has been notified by the Telephone Company, additional charges may apply, as set forth in P.U.C. OR. No. 12, unless the delay is caused by the Telephone Company.

4.1.5 Ordering Conditions

Ordering conditions are set forth in detail in Section 3. Also included in that section, are other charges which may be associated with ordering Special Access (e.g., Service Date Change Charges, Cancellation Charges, etc.).

4.2 Description of Special Access

There are three generic types of Special Access offerings. They are:

- Voice band
- Program Audio
- High Capacity Digital

Each type has its own characteristics, and are subdivided by one or more of the following:

- Transmission specifications
- Bandwidth
- Speed (i.e., bit rate)
- Spectrum

The Special Access offerings described following are comprised of a combination of the rate elements described in 4.1.1. The following descriptions indicate the most effective use for each facility. Customer use for purposes other than those indicated is limited only to the extent that such use must not harm the network. Further, the Telephone Company does not guarantee transmission performance beyond the parameters identified in the descriptions.

INTRAEXCHANGE SPECIAL ACCESS SERVICES

4. SPECIAL ACCESS (Cont'd)

4.2 Description of Special Access (Cont'd)

The transmission performance characteristics of each Special Access offering are stated in Section 7000 of the Industry Standard Technical Interface Reference Manual. The Telephone Company will maintain existing transmission specifications on services installed prior to the effective date of this tariff, except that existing services with performance specifications exceeding the standards in the Industry Standard Technical Interface Reference Manual will be maintained at the performance level specified in the manual. Where transmission performance characteristics are required other than those as stated in Section 7000 of the Industry Standard Technical Interface Reference Manual, the Telephone Company will review, and where technically feasible, will develop rates and charges for the additional costs associated with provisioning the parameters. These rates and charges will be filed on an individual case basis in this tariff and will apply in addition to all other applicable rates and charges.

4.2.1 Voice band

(A) Two-Wire Voice band Facility

These facilities are unconditioned and are capable of transmitting voice or data signals within the frequency spectrum of approximately 300 Hz to 3000 Hz. These facilities are furnished on a two-point or multipoint basis and may be terminated two-wire or four-wire at the point of termination. They permit the simultaneous transmission of information in both directions over a circuit, but it is not possible to ensure independent information transmission in both directions. Supplemental features may be added, at applicable charges, to enhance the operational capabilities of these facilities.

(B) Four-Wire Voice band Facility

These facilities are unconditioned and are capable of transmitting voice or data signals within the frequency spectrum of approximately 300 Hz to 3000 Hz. The facilities are furnished on a two-point or multipoint basis and may be terminated two-wire or four-wire at the point of termination. When terminated four-wire, they permit simultaneous independent transmission of information in both directions over a circuit. However, when terminated two-wire, simultaneous independent transmission cannot be supported. Supplemental features may be added, at applicable charges, to enhance the operational capabilities of these facilities.

INTRAEXCHANGE SPECIAL ACCESS SERVICES

4. SPECIAL ACCESS (Cont'd)

4.2 Description of Special Access (Cont'd)

4.2.2 Program Audio

These facilities are arranged and provided for the transmission of non-broadcast audio which is used in connection with loudspeakers, wired music, closed circuit, or recordings.. Facilities to be used in connection with broadcast audio must be ordered from the appropriate interstate tariff. Audio facilities are furnished for transmission in one direction. Audio facilities may be provided on a two-point or multi-point basis.

Program audio facilities are provided on either a full-time or part-time basis. The minimum periods for full-time and part-time service are set forth in Section 3.2.2. When a part-time program audio service is provided for ten or more consecutive days it will be treated as a full-time service and rated accordingly. In no event will the charge for continuous part-time program audio exceed the amount that would have been charged in the same time period for full-time program audio facilities.

Listed below are the types of Program Audio facilities that are offered under this tariff.

(A) 200 to 3500 Hz

Facilities are generally acceptable for speech quality programming and are subject to use over limited distance due to transmission factors.

(B) 100 to 5000 Hz

Facilities are generally acceptable for music and provide good quality speech programming.

(C) 50 to 8000 Hz

Facilities for the provision of high fidelity music transmission.

(D) 50 to 15000 Hz

Facilities for the provision of high fidelity music transmission. Two such facilities may be conditioned, at applicable charges, for stereo operation.

1st Revised Sheet 62
Canceling
Original Sheet 62

INTRAEXCHANGE SPECIAL ACCESS SERVICES

4. SPECIAL ACCESS (Cont'd)

4.2.3 High Capacity Digital

These facilities are two point and are furnished between CDLs or between a CDL and a Telephone Company designated Hub Wire Center where multiplexing is offered.

- (A) FT1 facilities are furnished for the transmission of isochronous bipolar serial data and are available at transmission rate groupings of N x 56 Kbps or N x 64 Kbps where N equals 2, 4, or 6. FT1 channels are contiguous within the network and can be used to create a wideband circuit using customer provided equipment. FT1 Service at a rate of N x 64 Kbps will only be provided where Clear Channel Capability is available in the network. Where Clear Channel Capability is not available, N x 56 Kbps service can be provided in lieu of N x 64 Kbps.

The DS1 Special Access Line provided under this tariff will not be billed when used with Integrated Services Digital Network (ISDN) Primary Rate Interface (PRI) that uses alternate higher capacity digital facilities for the loop transport. This includes, i.e., providing service under the Tariff FCC No. 14, Section 20 – Optical Networking when the optical node is at the same location, DS3s, or comparable local tariffs and special assemblies. A DS1 Special Access Line provided to the serving wire center at which the customer obtains ISDN PRI Service will be transmitted with B8ZS Clear Channel Capability per Technical Reference Publication GR-342, Issue 1.

- (B) Fiber Connect service facilities, which are only available as an OPP, provide for the transmission of an isochronous serial data stream at a rate of 6.312 Mbps, encoded and converted to a signal suitable for optical transport. Fiber connect service is transmitted on fiber optic cable. When Fiber Connect is provided with a fiber optic interface at the CDL, a single transmission channel is provided with a data rate dependent on the Telephone Company fiber optic terminal equipment used to provision the facility. When Fiber Connect is provided with an electrical interface, four transmission channels of 1.544 Mbps each are provided at the interface. (T)
(T)
(T)

Fiber Optic Interface denotes the termination of service with single mode fiber optic cable at the customer premises. When this interface is selected, it is the customer's responsibility to provide the optical line termination at his premises. This equipment must be compatible with the Telephone Company provided equipment.

- Fiber Connect is offered only on a protected basis between a CDL and its serving wire center. Fiber Connect is not available with multipoint services. Special Transport between serving wire centers for Fiber Connect must be ordered as 4 DS1s. (T)
(T)

INTRAEXCHANGE SPECIAL ACCESS SERVICES

4. SPECIAL ACCESS (Cont'd)

4.3 Description of Terminating Options

Terminating Options provide a clearly delineated interface between Telephone Company and customer facilities at the point of termination at the CDL. Terminating Options facilitate the design, isolation, and testing of the Special Access. The description of each Terminating Option defines the most effective use of the Terminating Option. The technical parameters of each type of associated interface are set forth in Section 7000 of the Industry Standard Technical Interface Reference Manual. Although a customer is not restricted from alternate applications, except where such application is harmful to the network, the Telephone Company cannot guarantee technical performance for other than the applications stated below. Terminating Options are non-chargeable.

4.3.1 Narrowband

(A) 0 to 75 Baud Type 1

Provides standard open/closed 20 or 62 Ma energized interface to customer terminal equipment and converts customer terminal equipment signals to voice frequency signaling for transmission over two-wire and four-wire voice band network facilities suitable for voice grade to narrowband multiplexing. This terminating option is obsolete and is limited to those circuits so equipped and in service as of October 25, 1991.

(B) 0 to 75 Baud Type 2

Provides two-wire or four-wire metallic interface for customer or Telephone Company energized circuits. Telephone Company energized circuits are only available in conjunction with voice grade to narrowband multiplexing. This option does not guarantee dc current operation over special transport facilities. This terminating option is obsolete and is limited to those circuits so equipped and in service as of October 25, 1991.

(C) 0 to 150 Baud

Provides standard RS-232C interface to customer terminal equipment and converts customer terminal equipment signals to voice frequency signaling for transmission over two-wire or four-wire voice band facilities. This terminating option is obsolete and is limited to those circuits so equipped and in service as of October 25, 1991.

INTRAEXCHANGE SPECIAL ACCESS SERVICES

4. SPECIAL ACCESS (Cont'd)

4.3 Description of Terminating Options (Cont'd)

4.3.2 Voice Grade

(A) Two-Wire Voice Grade, Non-Data, Without Signaling

This option provides a two-wire interface to a customer and terminates an effective two-wire facility furnished for voice transmission only. Customer provided signaling must be limited to tones in the voice band. Customer provided voice band signaling equipment must limit transmission power to 0.0 dBm peak and -13 dBm average power over a three-second period.

(B) Four-Wire Voice Grade, Non-Data, Without Signaling

This option provides a four-wire interface to customer terminal equipment and terminates an effective four-wire facility furnished for voice transmission only. Customer provided signaling must be limited to tones in the voice band. Customer provided voice band signaling equipment must limit transmission power to 0.0 dBm peak and -13 dBm average power over a three-second period.

(C) Voice Grade Data Termination

This option provides a two-wire or four-wire transmission interface to a customer's private line data modem and terminates an effective four-wire facility furnished for voice band data transmission.

(D) Two-Wire Voice Grade Station Connecting Facility Termination

This option provides a means to terminate an effective two-wire facility or an effective four-wire facility with a two-wire customer interface on a telephone, key system, PBX, ACD, or similar equipment. This option is normally used to terminate facilities that furnish foreign central office service, the station end of PBX off premises service, or private switched service network access lines. The option provides both the transmission and loop signaling functions normally associated with these services. The option is also used to terminate facilities arranged with automatic ring down signaling. This option provides the loop and ring down signaling with the facility.

INTRAEXCHANGE SPECIAL ACCESS SERVICES

4. SPECIAL ACCESS (Cont'd)

4.3 Description of Terminating Options (Cont'd)

4.3.2 Voice Grade (Cont'd)

(E) Four-Wire Voice Grade Station Connecting Facility Termination

A terminating option similar to (D) used to terminate effective four-wire foreign central office service. The option provides a four-wire transmission interface to the customer terminal equipment and the loop signaling function normally associated with these services. This option provides the loop and ring down signaling with the facility.

(F) Two-Wire Station Connecting Facility Termination for the Open End of an Off Premises PBX Extension (T)

Terminating options are available depending on the signaling range of the PBX (or similar system) as defined in Part 68 of the FCC Rules and Regulations. Type 1 is an option requiring range extension equipment at the CDL. Type 2 is an option with no range extension equipment at the CDL. If needed, the loop signaling range equipment for Type 1 must be specifically specified, see 4.4.4 for available arrangements.

(G) Dial Repeating Tie Trunk Termination

Two network terminating options are provided for terminating effective four-wire transmission facilities used to furnish dial repeating tie trunk services. These options are described in terms of the interface they provide to a PBX (or similar system).

(1) A Type I tie line termination provides the customer with a two-wire transmission interface and includes either two-wire or four-wire E&M type signaling. Transmission and signaling interface options available are described in Part 68 of the FCC Rules and Regulations. This option provides the E&M type signaling with the facility.

(2) A Type III tie line termination provides the customer with a four-wire transmission interface and includes either two-wire or four-wire E&M type signaling. Transmission and signaling options available are described in Part 68 of the FCC Rules and Regulations. This option provides the E&M signaling with the facility.

INTRAEXCHANGE SPECIAL ACCESS SERVICES

4. SPECIAL ACCESS (Cont'd)

4.3 Description of Terminating Options (Cont'd)

4.3.3 Program Audio

(A) 200 to 3500 Hz

Provides standard program audio interface levels and impedance matching to two-wire network facilities.

(B) 100 to 5000 Hz, 50 to 8000 Hz, and 50 to 15000 Hz

Provides standard program audio interface levels, circuit equalization and impedance matching to two-wire network facilities.

4.3.4 High Capacity Digital

(A) Fractional T1 Service

Provides a DS1 Special Access interface for use in providing simultaneous two-way transmission of isochronous bipolar serial data signals and is limited to groupings of N x 56 Kbps or N x 64 Kbps where N equals 2, 4, or 6.

(B) Fiber Connect Service

Provides a High Capacity Digital Special Access interface for use in providing simultaneous two-way transmissions of isochronous bipolar serial data. The Telephone Company, at the option of the customer, will provide either an electrical or a fiber optic interface. The electrical interface option provides four electrical channels at 1.544 Mbps each. The fiber optic interface option is provided on a single mode fiber and terminates on fiber optic connectors. The 6.312 Mbps signal will be made up of four transmission channels of 1.544 Mbps each and will be encoded to an optical data rate dependent on the fiber optic terminal equipment used by the Telephone Company to provision the facility. When the optical interface is selected, it is the customer's responsibility to provide the optical line termination at his premises. This equipment must be compatible with the equipment provided by the Telephone Company. Service will be provided on a one for one protected basis only.

(T)

INTRAEXCHANGE SPECIAL ACCESS SERVICES

4. SPECIAL ACCESS (Cont'd)

4.4 Description of Supplemental Features

Supplemental Features are items which can be added to a Special Access service to provide enhanced capabilities or improve its utility. References to specific uses or Special Access types indicate the most effective use for each Supplemental Feature. Customer use for other purposes or with other Special Access types is limited only to the extent that such use must not harm the network. Further, the Telephone Company does not guarantee functional operation of Supplemental Features for these alternate applications.

Listed below are the Supplemental Features that are offered under this tariff.

4.4.1 Bridging

Bridging is the function of connecting three or more CDLs in a multipoint arrangement. Listed below are those bridging services offered under this tariff.

(A) MultiPoint Data Bridging

This feature provides the capability to derive a multipoint data circuit from a single facility and is normally provided on Voice band facilities provided for transmission of data signals. This function is provided on a per port basis. Polled multipoint data circuits are a typical application of this feature.

(B) Voice Conference Bridging

Bridging arrangement to connect multiple Voice band facilities in order that a voice frequency input signal from any location will be reproduced at the output of all other circuit locations. This function is provided on a per port basis.

(C) Alarm Distribution Bridging

Provides polling type bridging capabilities, band splitting filters and conversion of four-wire common terminations up to a capacity of 40 two-wire terminations. This function is offered as two tariff elements. The first element provides all shelving and common equipment for a capacity of 40 two-wire terminations. The second element provides a two-wire port. One common equipment rate element will apply to accommodate up to 40 two-wire terminations. One two-wire port charge will apply to each two-wire Special Access Line terminated in the bridge.

(D) Program Audio Bridging

An arrangement to provide multiple channel outputs from a single Program Audio or Voice band facility. This arrangement is provided on a per port basis.

INTRAEXCHANGE SPECIAL ACCESS SERVICES

4. SPECIAL ACCESS (Cont'd)

4.4 Description of Supplemental Features (Cont'd)

4.4.2 Conditioning Arrangements - Data

Data conditioning, when utilized in conjunction with effective four-wire Voice band transmission facilities, improves the characteristics of these facilities. These improved characteristics are not represented to apply to the entire end to end facility of the customer, but only to that portion of the facility provided by the Telephone Company.

There are two types of data conditioning: Type C and Type DA. Type C conditioning controls attenuation distortion and envelope delay distortion. Type DA controls the signal to C-notched noise ratio and inter-modulation distortion. Type C and Type DA conditioning may be combined on the same circuit.

Data conditioning is charged for on a per Special Access line basis. The parameters listed for each type of data conditioning apply from two or more CDLs located within the Telephone Company serving area. Conditioning parameters apply to each end of a two-point circuit. For multipoint circuits, the conditioning parameters apply from any CDL to either the point of interface at another CDL or the first Telephone Company bridging point depending on the circuit configuration. These parameters are not applicable to High Capacity points of interface, because there is no voice frequency test access point. In these instances the data conditioning parameters apply to the last Telephone Company voice frequency test access point before the High Capacity point of interface.

(A) Type C

Type C conditioning of Voice band facilities provides a facility with the following transmission parameters enhanced to meet the values specified for Type C conditioning in Section 7000 of the Industry Standard Technical Interface Reference Manual in addition to the standard parameters for Voice band circuits.

- (1) Attenuation distortion with reference to 1004 Hz.
- (2) Envelope delay distortion

INTRAEXCHANGE SPECIAL ACCESS SERVICES

4. SPECIAL ACCESS (Cont'd)

4.4 Description of Supplemental Features (Cont'd)

4.4.2 Conditioning Arrangements - Data (Cont'd)

(B) Type DA

Type DA conditioning of Voice band facilities provides a facility with the following transmission parameter enhanced to meet the values specified for Type DA Conditioning in Section 7000 of the Industry Standard Technical Interface Reference Manual in addition to the standard parameters for voice band circuits.

- (1) Signal to C-notched noise ratio.
- (2) Nonlinear signal to second order distortion.
- (3) Nonlinear signal to third order distortion.

4.4.3 Conditioning - Program Audio

(A) Stereo Conditioning

Provides the option of two radio program facilities which are identical in all transmission characteristics. Two Program Audio facilities are required to provide this Supplemental Feature. This feature is normally used only with Program Audio 50 to 15000 Hz facilities. Stereo Conditioning is charged on a per occurrence basis.

(B) Zero Loss

Conditioning of Program Audio facilities to provide zero loss at 1000 Hz test frequency. Zero Loss is charged on a per Special Access Line basis.

INTRAEXCHANGE SPECIAL ACCESS SERVICES

4. SPECIAL ACCESS (Cont'd)

4.4 Description of Supplemental Features (Cont'd)

4.4.4 Signaling Arrangements

Signaling arrangements, when furnished with Voice band transmission facilities, enable the facilities to accommodate standard telecommunications signaling protocols. Signaling arrangements provide for the conversion of one signaling method to another signaling method and/or extension of a signaling method at customer and Telephone Company interfaces and enables the transmission facilities to accommodate signaling transmission. Signaling arrangements are available with Voice band transmission facilities to enable transmission of requested signaling formats. The third and fourth protocol characters of the Network Channel Interface (NCI) and Secondary Network Channel Interface (SEC NCI) codes, as indicated on the customer's order, reflect signaling activity. Typical protocol characters contained in the NCI or SEC NCI codes that designate signaling arrangements are: AB, AC, DS, DX, DY, EA, EB, EC, EX, GO, GS, LA, LB, LC, LO, LR, LS, NO, RV and SF.

The customer identified NCI and SEC NCI codes will be considered the customer's request for signaling. The Telephone Company will endeavor to provide the specific signaling protocols requested by the customer. In those cases where facilities and equipment are not available to meet the customer's specific requests, the Telephone Company will provide the customer acceptable alternate protocols. Sections 3300, 6000 and 7000 of the Industry Standard Technical Interface Reference Manual provide detailed technical descriptions of the signaling protocols normally available with each service offering. To properly provision SF signaling, when associated signaling code is DS (PCM), additional information of SF requirements (loop signaling type DX/E&M or ring down) must accompany the customer's order.

Signaling arrangement charges apply whenever interfaces at the customer premises or at the customer's Telephone Company serving wire center require a signaling arrangement other than those provided with the Terminating Options in 4.3.2. Signaling Arrangements will be charged on a per SAL basis. Specifically, a signaling charge applies if the signaling protocol characters in the NCI and the SEC NCI fields are different and include one of the following codes: RV, EX, SF, DX, DY, DS, AB.

INTRAEXCHANGE SPECIAL ACCESS SERVICES

4. SPECIAL ACCESS (Cont'd)

4.4 Description of Supplemental Features (Cont'd)

4.4.4 Signaling Arrangements (Cont'd)

For the above conditions, one additional signaling charge applies for each additional leg of a multipoint circuit.

A signaling charge applies in addition to any other applicable signaling charge when loop range extension equipment is required. The Telephone Company will obtain customer approval for signaling range extension equipment.

Listed below are the Signaling Arrangements offered under this tariff:

- (A) Loop Signaling Range Extension - An arrangement to extend the metallic resistance limitations of loop type signaling.
- (B) Conversion of Loop or E&M Signaling to SF - An arrangement to convert loop or E&M signaling to the single frequency signaling format.
- (C) E&M to DX Signaling Conversion - Conversion of E&M signaling to the DX signaling format.
- (D) E&M to Loop Signaling conversion - Conversion to E&M signaling format to the loop type signaling.
- (E) Loop or E&M to PCM Signaling - Conversion to loop or E&M signaling to the digital (PCM) signaling format.
- (F) Automatic Ring down Signaling (ARD) - A signaling arrangement on a two-point Special Access which converts loop seizure at one end of the facility into ringing signal at the opposite end.

INTRAEXCHANGE SPECIAL ACCESS SERVICES

4. SPECIAL ACCESS (Cont'd)

4.4 Description of Supplemental Features (Cont'd)

4.4.5 Echo Control

(A) Echo Cancellor

An arrangement provided at the customer's request to cancel reflected speech energy on a four-wire facility. This conditioning is generally required on circuits with long propagation delay. Echo canceller is charged on a per Special Access circuit basis.

4.4.6 Improved Return Loss

Improved Return Loss provides for increased echo return and singing return parameters of an effective two-wire channel. This optional feature is available with certain Voice band services at a two-wire point of termination when the transmission interface is four-wire at one CDL and two-wire at the other CDL. Placement of Telephone Company equipment may be required at the customer's premises with the two-wire point of termination.

Improved Return Loss rates and charges will apply on a per Special Access Line basis at the rates specified in 4.7.2(B) Technical parameters and the applicable Voice band services are specified in Section 7000 of the Industry Standard Technical Interface Reference Manual.

4.4.7 Voice band Facility Switching Arrangement

An arrangement to provide switching between two Voice band Special Access Services. This arrangement may require a Voice band control circuit to control the switching arrangement at an additional charge.

4.4.8 Improved Termination Option

Improved Termination provides for a fixed 600 ohm impedance, an increased range of transmission levels, and simplex reversal (when applicable) on an effective four-wire channel. This optional feature is available with most Voice band services with a four-wire point of termination. Telephone Company equipment is required at the customer's premises where this option is ordered.

The Improved Termination option will be ordered and rates and charges, as set forth in 4.7.2(B), will apply on a per SAL basis. Technical parameters and the applicable Voice band services are specified in Section 7000 of the Industry Standard Technical Interface Reference Manual.

INTRAEXCHANGE SPECIAL ACCESS SERVICES

4. SPECIAL ACCESS (Cont'd)

4.4 Description of Supplemental Features (Cont'd)

4.4.9 Improved Equal Level Echo Path Loss Option -ELEPL-2

This option provides improved echo control parameters for an effective two-wire channel at a four-wire point of termination. Placement of Telephone Company equipment may be required at the customer's premises with the two-wire point of termination.

The term "Equal Level Echo Path Loss" (ELEPL) represents 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), i.e., $ELEPL = EPL - TLP(\text{send}) + TLP(\text{receive})$.

Improved ELEPL rates and charges will apply on a per SAL basis at the rates set forth in 4.7.2(B). Technical parameters are specified in Section 7000 of the Industry Standard Technical Interface Reference Manual.

4.5 Description of Multiplexing Arrangements

Multiplexing Arrangements provide the function to convert a single bandwidth circuit for bulk transport to several lower bandwidth circuits.

Listed below is the multiplexing arrangement offered under this tariff.

(A) Voice to Narrowband

An arrangement that multiplexes sixteen 0 to 75 baud narrowband circuits to a single voice grade circuit, or a single voice grade circuit to sixteen 0 to 75 baud narrowband circuits. This arrangement is an obsolete offering and is limited to those circuits so equipped and in service as of October 25, 1991.

INTRAEXCHANGE SPECIAL ACCESS SERVICES

4. SPECIAL ACCESS (Cont'd)

4.6 Rate Regulations

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

4.6.1 Types of Rates and Charges

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

(A) Monthly Rates

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

(B) Daily Rates

Daily rates are recurring charges that apply to each 24 hour period or fraction thereof that a part-time Program Audio Special Access Service is provided. This 24 hour period is not limited to a calendar day. When part-time Program Audio service is provided for ten or more consecutive days it will be treated as a full-time service and monthly rates will apply. In no event will the charges for continuous part-time Program Audio service exceed the amount that would be charged in the same time period for full-time service.

INTRAEXCHANGE SPECIAL ACCESS SERVICES

4. SPECIAL ACCESS (Cont'd)

4.6 Rate Regulations (Cont'd)

4.6.1 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for specific work activity, (i.e., installation of service or change to an existing service). The types of nonrecurring charges that apply for Special Access Service are those listed following.

(1) Special Access Ordering Charges

Special Access Ordering Charges are associated with the work performed by the Telephone Company in connection with the receiving, recording and processing of customer service requests. There are two types of service ordering charges.

(a) Initial Ordering Charge - Special Access

This charge applies on a per Order basis, including those requests to add additional terminations to an existing service.

(b) Subsequent Ordering Charge - Special Access

This charge applies on a per Order basis for modifications to an existing service. This would include activities such as additions of supplemental features.

(2) Service Installation Charge

The Service Installation Charge is associated with the work performed by the Telephone Company in connection with the physical installation activities involving central office and/or outside plant facilities. This charge applies on a per SAL basis for the installation of service, and for additional terminations to existing service.

This charge does not apply to installations involving Fiber Connect or Fractional T1 SALs. The installation charge for these services are set forth in 4.6.1(C)(5). In addition, this charge will not apply to part-time Program Audio SALs, which are left in place and reused.

(T)

INTRAEXCHANGE SPECIAL ACCESS SERVICES

4. SPECIAL ACCESS (Cont'd)

4.6 Rate Regulations (Cont'd)

4.6.1 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(3) Design Change Charge

The customer may request a design change to the service ordered. A design change is any change to a pending Order for Special Access Service, which requires engineering review. Design changes include such things as the addition or deletion of supplemental features or changes in the terminating options. Design changes do not include a change of CDL or end user premises when its serving wire center changes or Special Access type (e.g., 2-wire to 4-wire Voice band or Voice band to Program Audio, etc.). Changes of this nature will require the issuance of a new Order and the cancellation of the original Order. The cancellation charges apply as set forth in Section 3.2.4.

The Telephone Company will review the requested change, notify the customer whether the change can be accommodated and specify if a new service date is required. If the customer authorizes the Telephone Company to proceed with the design change, a Design Change Charge will apply.

The Design Change Charge, as set forth in 4.7.1 will apply on a per Order per occurrence basis, for each Order requiring a design change.

If a change of service date is required, the Service Date Change Charge as set forth in Section 3 will also apply.

(4) Installation of Supplemental Features

Nonrecurring charges apply for the installation of supplemental features available with Special Access service. The charge applies whether the feature is installed coincident with the initial installation of service or at any time subsequent to the installation of service. These charges are in addition to the appropriate Special Access Ordering Charge as set forth in 4.6.1(C)(1).

INTRAEXCHANGE SPECIAL ACCESS SERVICES

4. SPECIAL ACCESS (Cont'd)

4.6 Rate Regulations (Cont'd)

4.6.1 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(5) Installation of Fiber Connect and FT1 Special Access Lines

(a) Fiber Connect Service Optional Payment Plan (OPP) Arrangement

Customers subscribing to the Fiber Connect OPP arrangements, at rates set forth in 4.7.7, will be assessed a nonrecurring charge. The NRC represents the termination of four DS1 equivalent SALs on a single fiber optic transmission system. The customer must order four DS1s and indicate on the Order the Network Channel Interface (NCI) code for either electrical or fiber optic termination. (T)

The NRC for installation of a Fiber Connect OPP SAL as set forth in 4.7.7 will apply to existing Fiber Connect OPP customers when required for changes and other service rearrangements as set forth in 4.6.1(C)(6). (T)

(b) Fractional T1 Standard Arrangements

Customers subscribing to Fractional T1 service, at rates set forth in 4.7.8(A), will be assessed a nonrecurring charge. The NRC for Fractional T1 service will be assessed per SAL.

(c) Fractional T1 Optional Payment Plan (OPP) Arrangements

Customers subscribing to the Fractional T1 OPP arrangements, at rates set forth in 4.7.8(B), will not be assessed a nonrecurring charge.

The Regulations in 4.6.1(C)(6) will apply to existing FT1 OPP customers when required for changes and other service rearrangements.

INTRAEXCHANGE SPECIAL ACCESS SERVICES

4. SPECIAL ACCESS (Cont'd)

4.6 Rate Regulations (Cont'd)

4.6.1 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(6) Service Rearrangements

Service rearrangements are changes to existing (installed) services, which may be administrative only in nature, or involve an actual physical change to the service. Changes to pending orders are set forth in Section 3.2.1.

Changes in the type of service will be treated as a discontinuance of the service and an installation of a new service.

Changes in the physical location of the point of termination are treated as moves which are described and charged for as in 4.6.4.

Administrative changes will be made without charge(s) to the customer.

Administrative changes are as follows:

- Change in name or ownership or transfer of responsibility from one customer to another, provided there is no interruption of use or relocation of Special Access service.
- 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 circuit identification,
- Change of billing account number,
- Change of customer test line number,
- Change of customer contact name or telephone number, and
- Change of agency authorization.

INTRAEXCHANGE SPECIAL ACCESS SERVICES

4. SPECIAL ACCESS (Cont'd)

4.6 Rate Regulations (Cont'd)

4.6.1 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(6) Service Rearrangements (Cont'd)

All other service rearrangements will be charged for as follows:

- If the change involves the addition of another termination to an existing multipoint service, the Initial Ordering Charge - Special Access will apply plus the Service Installation charge for each location added.
- If the change involves the addition of supplemental feature, the Subsequent Ordering Charge - Special Access will apply plus the installation charge associated with the supplemental feature.
- If the change involves only changing the type of network interface, with no change in facility, the Subsequent Ordering Charge - Special Access will apply per Order for each customer designated location requiring a network interface change. In addition, an amount equal to one half of the Installation charge for each service requiring a network interface change.
- If the change involves changing a two-wire service to a four-wire service or vice versa, the Subsequent Ordering Charge - Special Access will apply plus the Service Installation charge for each location changed.
- In cases where multiple service rearrangements or an additional termination or a move and a service rearrangement are requested on a single Order, the total charge will never exceed the full nonrecurring charge for the basic service.

4.6.2 Minimum Periods

Special Access is provided for a specified minimum period. Minimum periods and minimum period charges are described in Section 3.

INTRAEXCHANGE SPECIAL ACCESS SERVICES

4. SPECIAL ACCESS (Cont'd)

4.6 Rate Regulations (Cont'd)

4.6.3 Mileage Measurement

The mileage to be used to determine the monthly rate for the Special Transport is calculated on the airline distance between the serving wire centers involved (i.e., CDL serving wire center or Hub Wire Center). Where the calculated miles include a fraction, the value is always rounded up to the next full mile. Where the calculated value is zero, no Special Transport mileage is charged.

When there is a Hub Wire Center involved, the Special Transport mileage will be measured from the Hub Wire Center to the serving wire centers of each of the CDLs connected to the hubbed facilities. Mileage is computed for each section and rates are applied accordingly. However, when a Special Access facility is routed through a Hub Wire Center for purposes other than customer specified such as bridging (e.g. the Telephone Company chooses to so route for test access purposes), rates will be applied only to the distance calculated between the wire centers serving the CDLs.

The rates for the mileage are applied per airline mile using the V&H coordinates method.

4.6.4 Moves

A move involves a change in the physical location of the point of termination of Special Access. A move normally involves an interruption of Special Access for the period required to complete the move. No credit allowance will be granted for that period. Special Construction as set forth in Section 5 may also be applicable at the different CDL. The charge for the move depends on whether the move is within the same CDL or to a different CDL.

A customer may request that Special Access not be interrupted during a move. To comply with that request, it may be necessary to install a duplicate Special Access, and subsequently discontinue the existing Special Access. Charges, monthly and nonrecurring, will apply for the duplicate Special Access. A new minimum period will be established for the duplicate portion of the Special Access. The customer will remain responsible for all minimum period charges associated with the corresponding portion of the disconnected Special Access.

INTRAEXCHANGE SPECIAL ACCESS SERVICES

4. SPECIAL ACCESS (Cont'd)

4.6 Rate Regulations (Cont'd)

4.6.4 Moves (Cont'd)

(A) Same CDL

When the move of a termination of service, as defined in Section 2.1.5, for Special Access is to a new point within the same CDL (same address and/or same building), the charge for the move will be the Subsequent Ordering Charge - Special Access plus an amount equal to one half the Service Installation charge for the service being re-terminated. There will be no change in the minimum period requirements. For services subject to payment plan regulations, the same payment period will remain in force.

(B) Different CDL

(1) When the move is to a different CDL (different address and different building), except as specified following, it will be treated as a disconnect and an installation of service. The Initial Ordering Charge - Special Access will apply plus the Service Installation charge for the service termination(s) affected. Termination Liability will not be assessed if service is maintained for the remainder of the existing payment plan. See Termination Liability in General Regulations, P.U.C. OR. No. 12.

(2) When the move is to a different CDL but served by the same serving wire center, the following conditions apply:

- A change Order will be required.
- Subsequent Ordering Charge - Special Access will apply plus the appropriate service installation charge for the service termination(s) affected.
- For Special Access services subject to payment plan regulations, if the customer of record remains the same with no lapse in service, the Subsequent Ordering Charge - Special Access and appropriate NRCs apply. Otherwise, the move will be treated as a disconnect and an installation of service and all appropriate NRCs will be applicable. See Termination Liability in General Regulations, P.U.C. OR. No. 12 for exceptions.

INTRAEXCHANGE SPECIAL ACCESS SERVICES

4. SPECIAL ACCESS (Cont'd)

4.6 Rate Regulations (Cont'd)

4.6.5 Hub Wire Centers

A Hub Wire Center is a Telephone Company designated serving wire center at which bridging is provided. Bridging is used to connect three or more CDLs in a multipoint arrangement.

Although Hub Wire Centers are defined as serving wire centers at which bridging is performed, they are not limited to providing this function and may provide any other types of Special Access services offered in this tariff. For example, the Telephone Company will designate certain Hub Wire Centers for Program Audio service offerings.

The Telephone Company will designate the Hub Wire Center locations. Different locations may be designated as Hub Wire Centers for different functions, such as bridging.

A customer may order full-time and/or part-time Program Audio Services between two CDLs, or between a CDL and a Hub Wire Center, and will be billed accordingly at the rates set forth in 4.7.3, 4.7.4, 4.7.5 and 4.7.6.

At the request of the customer, the full-time and/or part-time services provided to a Hub Wire Center may be connected together in the following configurations: full-time to full-time, full-time to part-time, or part-time to part-time.

The rates that apply for Program Audio Services between each CDL and the Hub Wire Center are Special Transport, if applicable, and Special Access Line. In addition, rates for Supplemental Features may be applicable.

INTRAEXCHANGE SPECIAL ACCESS SERVICES

4. SPECIAL ACCESS (Cont'd)

4.6 Rate Regulations (Cont'd)

4.6.6 Optional Payment Plan (OPP)

(A) General

- (1) The terms and conditions specified herein are applicable to FT1 and Fiber Connect services. (T)
- (2) Only the Special Access Line (SAL) rate element is available under an OPP. All other associated rate elements or additional features are available at the standard month-to-month tariffed rates and regulations.
- (3) FT1 OPP SAL rates will not be greater than standard month-to-month SAL rates. Fiber Connect is not available on a month-to-month basis. (T)
- (4) Three year and five year OPP rates will be equal to or less than the one year OPP rates. Decreases to the one year OPP will flow through to the three year and five year OPP.
- (5) Payment periods of one year, three year, and five year are available to all customers at the applicable rates set forth in 4.7.7 or 4.7.8(B) regardless of when they subscribe to an OPP arrangement. (T)

(B) Changes in Length of OPP Period

Prior to the completion of the selected OPP period, the customer may elect to convert to a new OPP period of the same or different length, subject to the following conditions:

- No credit toward the new payment period will be given for payments made under the original OPP arrangement.
- Nonrecurring charges will not be reapplied for existing service(s).
- If the new OPP period is shorter in length than the time remaining under the existing OPP, the change to the new OPP period constitutes a disconnect of the existing OPP service and termination liability charges as outlined in General Regulations, P.U.C. OR. No. 12 will apply.

(C) Renewal Options

- (1) See Renewal Options under Termination Liability in General Regulations, P.U.C. OR. No. 12.

INTRAEXCHANGE SPECIAL ACCESS SERVICES

4. SPECIAL ACCESS (Cont'd)

4.6 Rate Regulations (Cont'd)

(D) Notification of Discontinuance

An Order for discontinuance of an OPP arrangement must be received by the Telephone Company at least thirty (30) days prior to actual disconnect of service. Monthly charges will apply for a period of thirty (30) days from the date the Telephone Company receives disconnect notification or until the requested disconnect date, whichever period is longer.

(E) Upgrade to Higher Speed Service

Customers may elect to upgrade service(s) to a higher speed during an OPP period, subject to the following conditions:

- The upgraded service will be subject to all appropriate nonrecurring charges.
- Termination liability charges will not apply as long as the upgraded service remains connected at the same point of termination(s) or meets the requirements set forth in 4.6.4(B)(2).

(F) Termination Liability

See General Regulations in P.U.C. OR. No. 12.

INTRAEXCHANGE SPECIAL ACCESS SERVICES

4. SPECIAL ACCESS (Cont'd)

4.7 Rates and Charges

Nonrecurring
Charge

4.7.1 Special Access Ordering Charges

Initial Ordering Charge
Special Access

\$ 74.15

Subsequent Ordering Charge
Special Access

64.40

Service Installation Charge per SAL

174.61

Design Change Charge per Order/Per Occurrence

16.99

INTRAEXCHANGE SPECIAL ACCESS SERVICES

4. SPECIAL ACCESS (Cont'd)

4.7 Rates and Charges (Cont'd)

4.7.2 Voice band Facilities

(A)	<u>Standard Arrangements</u>	<u>Nonrecurring Charges</u>	<u>Monthly Rate</u>
	Special Transport, per airline mile	--	\$4.50
	Special Access Line		
	Two -Wire	--	12.08
	Four - Wire	--	24.16
(B)	<u>Optional Arrangements</u>		
	Supplemental Features, per Port		
	Multi-point Data Bridging	\$ 81.41	4.00
	Voice Conference Bridging	59.95	4.66
	Alarm Distribution Bridging		
	Common Equipment	455.16	20.63
	per Two-Wire Port	53.42	2.06

INTRAEXCHANGE SPECIAL ACCESS SERVICES

4. SPECIAL ACCESS (Cont'd)

4.7 Rates and Charges (Cont'd)

4.7.2 Voice band Facilities (Cont'd)

(B)	<u>Optional Arrangements</u> (Cont'd)	<u>Nonrecurring Charges</u>	<u>Monthly Rate</u>
	Conditioning Arrangements - Data, per SAL		
	Type C	\$457.47	\$ 1.77
	Type DA	131.63	1.18
	Supplemental Features		
	Signaling Arrangement/per SAL		
	Loop Signaling Range Extension	170.94	6.28
	Loop or E&M to SF	274.22	14.67
	E&M to DX	170.94	6.98
	E&M to Loop	191.84	5.01
	Loop or E&M to PCM	136.81	2.99
	Automatic Ring down	174.69	11.18
	Echo Control - Echo Cancellor/per CKT	265.76	24.95

INTRAEXCHANGE SPECIAL ACCESS SERVICES

4. SPECIAL ACCESS (Cont'd)

4.7 Rates and Charges (Cont'd)

4.7.2 Voice band Facilities (Cont'd)

(B) <u>Optional Arrangements</u> (Cont'd)	<u>Nonrecurring Charges</u>	<u>Monthly Rate</u>
Supplemental Features		
Voice band Facility Switching Arrangement	\$170.94	\$3.08
Improved Return Loss/per SAL	84.36	2.04
Improved Termination Option/per SAL	136.37	7.53
Improved ELEPL/per SAL	104.32	2.32

INTRAEXCHANGE SPECIAL ACCESS SERVICES

4. SPECIAL ACCESS (Cont'd)

4.7 Rates and Charges (Cont'd)

4.7.3 Program Audio (200-3500 Hz) Facilities

(A)	<u>Standard Arrangements</u>	<u>Nonrecurring Charges</u>	<u>Monthly Rate</u>	<u>Daily Rate</u>
	Special Transport, per airline mile	--	\$ 4.50	\$.45
	Special Access Line	--	12.08	1.21
(B)	<u>Optional Arrangements</u>			
	Supplemental Features			
	Program Audio Bridging/per Port	\$28.39	1.00	.10
	Conditioning - Program Audio-Zero Loss/per SAL	260.81	12.00	1.20

INTRAEXCHANGE SPECIAL ACCESS SERVICES

4. SPECIAL ACCESS (Cont'd)

4.7 Rates and Charges (Cont'd)

4.7.4 Program Audio (100-5000 Hz) Facilities

(A) <u>Standard Arrangements</u>	<u>Nonrecurring Charges</u>	<u>Monthly Rate</u>	<u>Daily Rate</u>
Special Transport, per airline mile	--	\$4.50	\$.45
Special Access Line	--	54.65	5.47
(B) <u>Optional Arrangements</u>			
Supplemental Features			
Program Audio Bridging/per Port	\$ 28.39	1.00	.10
Conditioning - Program Audio-Zero Loss/per SAL	260.81	12.00	1.20

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INTRAEXCHANGE SPECIAL ACCESS SERVICES

4. SPECIAL ACCESS (Cont'd)

4.7 Rates and Charges (Cont'd)

4.7.5 Program Audio (50-8000 Hz) Facilities

(A)	<u>Standard Arrangements</u>	<u>Nonrecurring Charges</u>	<u>Monthly Rate</u>	<u>Daily Rate</u>
	Special Transport, per airline mile	--	\$ 4.50	\$.45
	Special Access Line	--	56.10	5.61
(B)	<u>Optional Arrangements</u>			
	Supplemental Features			
	Program Audio Bridging/per Port	\$ 28.39	1.00	.10
	Conditioning - Program Audio-Zero Loss/per SAL	260.81	12.00	1.20

INTRAEXCHANGE SPECIAL ACCESS SERVICES

4. SPECIAL ACCESS (Cont'd)

4.7 Rates and Charges (Cont'd)

4.7.6 Program Audio (50-15000 Hz) Facilities

(A)	<u>Standard Arrangements</u>	<u>Nonrecurring Charges</u>	<u>Monthly Rate</u>	<u>Daily Rate</u>
	Special Transport, per airline mile	--	\$ 4.50	\$.45
	Special Access Line	--	59.05	5.91
(B)	<u>Optional Arrangements</u>			
	Supplemental Features			
	Program Audio Bridging/per Port	\$ 28.39	1.00	.10
	Conditioning - Program Audio - Stereo Conditioning/per occurrence	129.13	1.00	.10
	Conditioning - Program Audio-Zero Loss/per SAL	260.81	12.00	1.20

INTRAEXCHANGE SPECIAL ACCESS SERVICES

4. SPECIAL ACCESS (Cont'd)

4.7 Rates and Charges (Cont'd)

4.7.7 High Capacity Digital Fiber Connect (6.312 Mbps) Facilities (T)

(A) <u>Fiber Connect Optional Payment Plan</u>	<u>Nonrecurring Charges</u>	<u>Monthly Rate</u>	(T)
Special Transport, per airline mile	--	*	
Special Transport Termination	--	*	
Special Access Line -			
Electrical Interface	\$1,000.00	--	
One Year		\$1,100.00	
Three Year		800.00	
Five Year		650.00	
Optical Interface	1,000.00		
One Year		850.00	
Three Year		550.00	
Five Year		475.00	

* In addition to the DS1 Special Transport and Special Transport Termination rate elements (when applicable), as set forth in P.U.C OR. No. 12, 5.7.10 for four DS1 transported circuits.

INTRAEXCHANGE SPECIAL ACCESS SERVICES

4. SPECIAL ACCESS (Cont'd)

4.7 Rates and Charges (Cont'd)

4.7.8 High Capacity Digital Fractional T1 (FT1) Facilities

(A)	<u>Standard Arrangements</u>	<u>Nonrecurring Charges</u>	<u>Monthly Rate</u>
(1)	2 x 56 Kbps or 2 x 64 Kbps Special Access Line	\$450.00	\$103.78
	Special Transport, per airline mile	--	5.50
	Special Transport Termination	--	12.00
(2)	4 x 56 Kbps or 4 x 64 Kbps Special Access Line	450.00	111.59
	Special Transport, per airline mile	--	6.50
	Special Transport Termination	--	18.00
(3)	6 x 56 Kbps or 6 x 64 Kbps Special Access Line	450.00	119.39
	Special Transport, per airline mile	--	7.50
	Special Transport Termination	--	24.00

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By Kenneth Mason, Vice President - Regulatory and Government Affairs

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INTRAEXCHANGE SPECIAL ACCESS SERVICES

4. SPECIAL ACCESS (Cont'd)

4.7 Rates and Charges (Cont'd)

4.7.8 High Capacity Digital Fractional T1 (FT1) Facilities (Cont'd)

(B)	<u>FT1 Optional Payment Plan</u>	<u>Nonrecurring Charges</u>	<u>Monthly Rate</u>
(1)	2 x 56 Kbps or 2 x 64 Kbps Special Access Line		
	One Year	--	\$100.00
	Three Year	--	90.00
	Five Year	--	80.00
	Special Transport, per airline mile	--	5.50
	Special Transport Termination	--	12.00
(2)	4 x 56 Kbps or 4 x 64 Kbps Special Access Line		
	One Year	--	110.00
	Three Year	--	99.00
	Five Year	--	88.00
	Special Transport, per airline mile	--	6.50
	Special Transport Termination	--	18.00

INTRAEXCHANGE SPECIAL ACCESS SERVICES

4. SPECIAL ACCESS (Cont'd)

4.7 Rates and Charges (Cont'd)

4.7.8 High Capacity Digital Fractional T1 (FT1) Facilities (Cont'd)

(B)	<u>FT1 Optional Payment Plan</u> (Cont'd)	<u>Nonrecurring Charges</u>	<u>Monthly Rate</u>
(3)	6 x 56 Kbps or 6 x 64 Kbps Special Access Line		
	One Year	--	\$119.00
	Three Year	--	107.10
	Five Year	--	95.20
	Special Transport, per airline mile	--	7.50
	Special Transport Termination	--	24.00

INTRAEXCHANGE SPECIAL ACCESS SERVICES

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INTRAEXCHANGE SPECIAL ACCESS SERVICES

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INTRAEXCHANGE SPECIAL ACCESS SERVICES

5. SPECIAL CONSTRUCTION

5.1 General

This section contains the regulations applicable for Special Construction of Telephone Company facilities, which are used to provide Special Access Services offered under this tariff.

When Special Construction of facilities is required, the provisions of this section apply in addition to regulations, rates and charges set forth in other sections of this tariff.

5.1.1 Conditions Requiring Special Construction

Special Construction is required when facilities are not available to meet a customer's Order and one or more of the following conditions exist:

- The Telephone Company has no other requirement for the facilities constructed at the customer's request;
- The customer requests that facilities be furnished using a type of facility, or via a route, other than that which the Telephone Company would otherwise utilize in furnishing the requested facilities;
- The customer requests the construction of more facilities than is required to satisfy its Order;
- The customer requests construction be expedited resulting in added cost to the Telephone Company;
- The customer requests that temporary facilities be constructed until permanent facilities are available.

5.1.2 Filing of Charges

Charges and liabilities for Special Construction will be filed in this section of the tariff.

5.1.3 Ownership of Facilities

The Telephone Company retains ownership of all specially constructed facilities even though the customer may be required to pay Special Construction charges.

5.1.4 Interval to Provide Facilities

Based on available information and the type of facilities ordered, the Telephone Company will establish a scheduled date for the installation of necessary facilities. The date will be established on an Individual Case Basis and provided to the customer. The Telephone Company will make every reasonable effort to assure that the date is met. However, circumstances beyond the Telephone Company's control (e.g., backorder of components) may force a reschedule, and a new completion date will be established with the customer when appropriate.

INTRAEXCHANGE SPECIAL ACCESS SERVICES

5. SPECIAL CONSTRUCTION (Cont'd)

5.2 Liabilities, Charges and Payments

5.2.1 General

This section describes the various charges and liabilities that apply when the Telephone Company provides Special Construction of facilities, as outlined in 5.1.1, in accordance with a customer's specific request. Once the customer is notified of all charges and liabilities, the customer must provide the Telephone Company with written approval prior to the start of construction. If more than one condition requiring Special Construction is involved, charges for each condition apply (see Conditions Requiring Special Construction, 5.1.1).

5.2.2 Payment of Charges

Payment is due upon presentation of a bill for the specially constructed facilities.

5.2.3 Start/End of Billing

Billing of recurring charges for specially constructed facilities starts on the day after the facilities are provided. Billing accrues through and includes the day that the specially constructed facilities are discontinued. Monthly charges will be billed one month in advance.

5.2.4 Partial Payments

The Telephone Company will require a customer which has a proven history of late payments to the Telephone Company, or does not have established credit, to make a partial payment for the portion of the estimated cost of the Special Construction for which the customer is subject to a nonrecurring charge. Partial payments will be requested as costs are incurred and will be credited to the customer's account. Partial payments will not exceed the total nonrecurring charge to the customer for the Special Construction.

5.2.5 Development of Liabilities and Charges

The customer has the option of accepting the liabilities and charges based on estimated or actual costs. Estimated costs will be used unless the customer notifies the Telephone Company of the selection of the actual cost option in writing prior to the start of Special Construction.

Under the estimated cost option, Special Construction liabilities and charges are developed based on estimated costs and will be filed in this tariff.

Under the actual cost option, if all actual costs are not available prior to the in-service date of the facilities, estimated Special Construction charges will be filed in this tariff. As soon as the actual costs, including cost of maintaining and filing these costs, are subsequently determined, the estimated charges will be adjusted to reflect the actual costs. The filed charges will then reflect actual costs existing at the time the facilities are provided.

INTRAEXCHANGE SPECIAL ACCESS SERVICES

5. SPECIAL CONSTRUCTION (Cont'd)

5.2 Liabilities, Charges and Payments (Cont'd)

5.2.6 Types of Contingent Liability

Depending on the specifics associated with each individual case the following Maximum Termination Liability may be applicable for Special Construction.

(A) Maximum Termination Liability (MTL)

A MTL has two components, an amount and a specified period of time.

The amount is equal to all non-recoverable costs less the net salvage value (e.g., depreciation, return, income tax associated with the specially constructed facilities). The amount will be amortized over the average account life of the specially constructed facilities. The standard liability period is the average account life of the Specially Constructed facilities expressed in years.

At the customer's option, an optional liability period shorter than the average account life may be established. If the customer chooses an optional liability period, the MTL amortization schedule will not change. The remaining MTL amount for the period between the expiration of the optional liability period and the expiration of the amortization schedule will be due as a lump sum payment (LS) at the time the optional liability period expires unless the case of Special Construction is extended.

Prior to the expiration of an optional liability period, the customer has the option to (A) extend the use of the specially constructed facilities establishing a new liability period, or (B) terminate the case of Special Construction and pay the lump sum payment.

The Telephone Company will notify the customer six months in advance of the expiration date of the optional liability period. The customer must provide the Telephone Company with written notification of its intentions to be received one month prior to expiration of the optional liability period. Failure to do so, and payment of the next month's charges, will result in extension of the case of the Special Construction and the establishment of a new liability period equal to the remaining amortization period. A Case Preparation Charge will always apply if the Special Construction case is extended.

The MTL and the liability period applicable to specific cases of Special Construction will be filed in this section of the tariff.

INTRAEXCHANGE SPECIAL ACCESS SERVICES

5. SPECIAL CONSTRUCTION (Cont'd)

5.2 Liabilities, Charges and Payments (Cont'd)

5.2.6 Types of Contingent Liability (Cont'd)

(B) Reduction on Maximum Termination Liability (MTL)

The time frames for MTL for Special Construction are expressed by an effective date and an expiration date. The MTL will be reduced for each month the Special Construction facility is in service. For example, if the MTL period is 10 years, for each month in service the MTL would be reduced 1/120th.

5.2.7 Types of Charges

Two categories of charges may be applicable for Special Construction. These charges are nonrecurring charges and recurring charges. These categories are described below.

(A) Nonrecurring Charges

One or more of the following nonrecurring charges may apply for each case of Special Construction: case preparation, termination, cancellation, expediting the construction, or optional payment charges.

(1) Case Preparation Charge

The charge for case preparation includes the administrative expense associated with preparing and listing charges in the tariff. This expense includes such items as: (a) tariff preparation and processing and (b) gross receipts and surcharge taxes.

(2) Termination Charge

A Termination Charge applies when, at the customer's request, facilities provided on specially constructed facilities which have a Maximum Termination Liability are discontinued prior to the expiration of the liability period.

The charge reflects the unamortized portion of the non-recoverable cost at the time of termination of the specially constructed facilities adjusted for tax effects, for net salvage and for possible reuse. Administrative costs associated with the specific case of Special Construction, and any cost for restoring a location to its original condition, are also included. Termination Charges will never exceed the MTL.

INTRAEXCHANGE SPECIAL ACCESS SERVICES

5. SPECIAL CONSTRUCTION (Cont'd)

5.2 Liabilities, Charges and Payments (Cont'd)

5.2.7 Types of Charges (Cont'd)

(A) Nonrecurring Charges (Cont'd)

(3) Cancellation Charge

If the customer cancels an Order with which Special Construction is associated prior to the in-service date of the facilities, a Cancellation Charge will apply. The charge will include all non-recoverable costs less the net salvage value incurred by the Telephone Company up to and including the time of cancellation.

(4) Expediting Charge

An Expediting Charge applies when a customer requests that Special Construction be completed on an expedited basis. The charge is equal to the difference in the estimated cost of construction on an expedited basis and construction without expediting.

(5) Optional Payment Charge

The customer may elect to pay an Optional Payment Charge when it requests Special Construction of facilities utilizing (1) a type of facilities or (2) a route other than that which the Telephone Company would otherwise utilize in furnishing the requested service. Payment of this charge will result in a lower recurring charge for the Special Construction. This election must be made in writing, before Special Construction starts.

If this election is coupled with the actual cost option, the Optional Payment Charge will reflect the actual cost of the specially constructed facilities.

INTRAEXCHANGE SPECIAL ACCESS SERVICES

5. SPECIAL CONSTRUCTION (Cont'd)

5.2 Liabilities, Charges and Payments (Cont'd)

5.2.7 Types of Charges (Cont'd)

(A) Nonrecurring Charges (Cont'd)

(5) Optional Payment Charge (Cont'd)

(a) Development of Optional Payment Charge

This charge is equal to the excess installed cost or the total non-recoverable cost, whichever is less (based on estimated or actual costs as elected by the customer).

Example 1:

Total Installed Cost	\$30,000
Non-recoverable	20,000
Normal Installed Cost	17,000
Total Installed Cost	\$30,000
Minus Normal Installed Cost	17,000
Equals Excess Installed Cost	13,000
Optional Payment Charge	13,000
Non-recoverable Cost	\$20,000
Minus Optional Payment Charge	13,000
Equals Investment for NTL Computation	7,000
Remaining Recoverable Excess Installed Cost	\$ 0

INTRAEXCHANGE SPECIAL ACCESS SERVICES

5. SPECIAL CONSTRUCTION (Cont'd)

5.2 Liabilities, Charges and Payments (Cont'd)

5.2.7 Types of Charges (Cont'd)

(A) Nonrecurring Charges (Cont'd)

(5) Optional Payment Charge (Cont'd)

(a) Development of Optional Payment Charge (Cont'd)

Since the total installed cost is \$30,000 and the normal installed cost would have been \$17,000, the nonrecurring charge (optional payment) is limited to the difference (i.e., \$13,000). A Maximum Termination Liability would then be established to protect the remaining non-recoverable cost of \$7,000, which is the difference between the total non-recoverable cost (\$20,000) and the nonrecurring charge (\$13,000). The remaining excess installed cost in this example is zero. In addition, a recurring charge will be developed as set forth in 5.2.7(B).

Example 2:

Total Installed Cost	\$30,000
Non-recoverable Cost	10,000
Normal Installed Cost	17,000
Total Installed Cost	\$30,000
Minus Normal Installed Cost	17,000
Equals Excess Installed Cost	13,000
Optional Payment Charge	10,000
Non-recoverable Cost	\$10,000
Minus Optional Payment Charge	10,000
Equals Investment for MTL Computation	0
Remaining Recoverable Excess Installed Cost	\$ 3,000

INTRAEXCHANGE SPECIAL ACCESS SERVICES

5. SPECIAL CONSTRUCTION (Cont'd)

5.2 Liabilities, Charges and Payments (Cont'd)

5.2.7 Types of Charges (Cont'd)

(A) Nonrecurring Charges (Cont'd)

(5) Optional Payment Charge (Cont'd)

(a) Development of Optional Payment Charge (Cont'd)

The Optional Payment Charge is limited to the non-recoverable cost. In this example the Optional Payment Charge equals the non-recoverable cost. Therefore, there is no Maximum Termination Liability. In addition, a recurring charge will be developed as set forth in 5.2.7(B).

(b) Replacement Charge

If any portion of the specially constructed facilities, for which an Optional Payment Charge has been paid, requires replacement involving capital investment, a charge for replacement will apply. This charge will be in the same ratio as the initial Optional Payment Charge was to the installed cost of the specially constructed facilities. The customer will be notified in writing that the replacement is required. Replacement will not be made without the customer's Order. If any portion of the facilities subject to the replacement charge fails, the facilities will not be restored until the customer orders the replacement.

Example:

Original Total Installed Cost	\$30,000
Original Optional Payment Charge	15,000
Subsequent Cost of Replacement	2,000

Original Optional Payment Charge x	
<u>Replacement Cost</u>	
Total Installed Cost	

$\$15,000 \times \$2,000 = 1,000$	\$30,000
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Replacement Charge	\$ 1,000
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INTRAEXCHANGE SPECIAL ACCESS SERVICES

5. SPECIAL CONSTRUCTION (Cont'd)

5.2 Liabilities, Charges and Payments (Cont'd)

5.2.7 Types of Charges (Cont'd)

(B) Recurring Charges

These charges apply on a monthly or annual basis for specially constructed facilities. There are three conditions for which recurring charges apply:

- When a customer requests the construction of more facilities than are necessary to provide the facilities currently ordered.
- When a customer requests a facility route or type other than that which the Telephone Company would utilize to provide facilities.
- When a customer's request results in the Telephone Company leasing transmission or other equipment from private vendors to provide a facility (Lease Charge).

(1) Excess Capacity Charge

An Excess Capacity Charge applies when the customer requests more facilities be constructed than are required to satisfy the customer's Order. The charge is based on the estimated cost difference between the facilities constructed at the customer's request and the facilities actually required to meet the customer's Order.

INTRAEXCHANGE SPECIAL ACCESS SERVICES

5. SPECIAL CONSTRUCTION (Cont'd)

5.2 Liabilities, Charges and Payments (Cont'd)

5.2.7 Types of Charges (Cont'd)

(B) Recurring Charges (Cont'd)

(1) Excess Capacity Charge (Cont'd)

The charge is revised in this manner until the number of facilities being provided would require a 300 pair cable, at which time the Excess Capacity Charge is no longer applied. The charge would be reapplied if the number of facilities declined to a level, which would not require a 300 pair cable.

Such charges will continue to apply to all facilities held in abeyance until the period of termination liability expires. If facilities are still held in abeyance after the termination liability expires, a new schedule of rates will be calculated and such rates will apply as long as facilities are held in abeyance for the customer.

(2) Charge for Route or Type Other Than Normal

When the customer requests Special Construction using a route or type of facility other than that which the Telephone Company would normally use, a recurring charge is applicable. The charge is the difference between the estimated recurring costs of the specially constructed facility and the estimated recurring costs of the facility the Telephone Company would normally use. The charge will be no greater than the recurring costs of the specially constructed facility.

- (a) If the customer elects to pay an Optional Payment Charge, the portion of the recurring charge for the excess investment covered by the optional payment excludes capital cost items (depreciation, return on investment and Federal income tax on that return). The remaining recurring expense cost items associated with the optional payment (maintenance, administration, and other taxes) are increased by a ten percent management fee and will be included in the recurring charge.

The portion of any recurring charge associated with any remaining Special Construction investment will include both capital and expense costs. The ten percent management fee is not applied to this portion of the recurring charge.

INTRAEXCHANGE SPECIAL ACCESS SERVICES

5. SPECIAL CONSTRUCTION (Cont'd)

5.2 Liabilities, Charges and Payments (Cont'd)

5.2.7 Types of Charges (Cont'd)

(B) Recurring Charges (Cont'd)

(2) Charge for Route or Type Other Than Normal (Cont'd)

- (b) If the customer has elected the actual cost option, the recurring charge will be adjusted to reflect the actual cost of the new construction when the cost is determined. This adjusted recurring charge is applicable from the start of facilities.

(3) Lease Charge

A Lease Charge applies when the Telephone Company leases equipment (e.g., portable microwave equipment) in order to provide facilities to meet the customer's requirements. The amount of the charge is the net added cost to the Telephone Company caused by the lease.

5.2.8 Application of Charges

The charges for Special Construction are those charges, which are in effect for the period that the Special Construction is furnished. If the charges for a period covered by a bill change after the bill has been rendered, the bill will be adjusted to reflect the new charges. Charges are based on Special Construction of (A) permanent facilities or (B) temporary facilities.

(A) Special Construction of Permanent Facilities

(1) Special Construction When Not Available and There is No Other Requirement for Them

When permanent facilities are not available and the Telephone Company constructs them and there is no other Telephone Company need for the specially constructed facilities, a nonrecurring charge, and a Maximum Termination Liability may be applicable.

(2) Special Construction Using a Route or Type of Facility Other Than Normal

When the specially constructed facilities involve a route or type of facility other than that which the Telephone Company would ordinarily use, charges are based on the difference between the estimated costs of the specially constructed facilities and those the Telephone Company would ordinarily use. A nonrecurring charge, a recurring charge, and a Maximum Termination Liability may be applicable.

INTRAEXCHANGE SPECIAL ACCESS SERVICES

5. SPECIAL CONSTRUCTION (Cont'd)

5.2 Liabilities, Charges and Payments (Cont'd)

5.2.8 Application of Charges (Cont'd)

(A) Special Construction of Permanent Facilities (Cont'd)

(3) Special Construction of a Greater Quantity of Facilities Than Necessary to Satisfy the Customer's Order for Service

When the Telephone Company constructs more facilities than is required to satisfy the customer's Order, additional charges will apply. These charges may include a nonrecurring charge, a recurring charge, and a Maximum Termination Liability.

(4) Special Construction Expedited at Greater Cost Than Would Otherwise be Incurred

When construction is expedited resulting in added costs, a nonrecurring Expediting Charge applies.

(B) Special Construction of Temporary Facility Order

When permanent facilities are not available and temporary facilities are constructed pending the construction of permanent facilities, a nonrecurring charge, and a Maximum Termination Liability may be applicable.

INTRAEXCHANGE SPECIAL ACCESS SERVICES

5. SPECIAL CONSTRUCTION (Cont'd)

5.3 Deferral of the In-Service of Facilities

5.3.1 General

The customer may request the Telephone Company to defer the in-service of facilities on specially constructed facilities subject to the provisions as set forth in Section 3.2.1(A). If the deferral is not in compliance with the provisions as set forth in Section 3.2.1(A), the Special Construction case is considered to be cancelled and cancellation charges apply. Requests for deferral must be in writing and are subject to the following regulations.

5.3.2 Construction Has Not Started

If the Telephone Company has not incurred any costs (e.g., engineering and/or installation) before receiving the customer's request for deferral, no charge applies other than the Case Preparation Charge. However, the original quotation is subject to Telephone Company review at the time of reinstatement to determine if the original charges are still valid. Any change in liabilities and charges requires the concurrence of the customer in writing. Additional Case Preparation Charges will also apply.

5.3.3 Construction Has Started But Is Not Complete

If the construction of facilities has started, but has not been completed, before the Telephone Company receives the customer's request for deferral, charges apply. The charges vary depending on whether all or some of the facilities ordered are deferred.

(A) All Facilities Are Deferred

When all facilities involving Special Construction are deferred, a charge equal to the costs incurred during each month of the deferral applies. Those costs include the recurring costs for that portion of the facilities already completed and any other costs associated with the deferral. The Case Preparation Charge also applies.

(B) Some But Not All Facilities Are Deferred

When some, but not all, facilities utilizing the specially constructed facilities are deferred, the Special Construction case will be completed. Maximum Termination Liability will apply in addition to Case Preparation Charges and any recurring charges associated with the Special Construction.

INTRAEXCHANGE SPECIAL ACCESS SERVICES

5. SPECIAL CONSTRUCTION (Cont'd)

5.3 Deferral of the In-Service of Facilities (Cont'd)

5.3.4 Construction Complete

If the construction of facilities has been completed before the Telephone Company receives the customer's request for deferral, the Case Preparation Charge as originally determined, will apply and any recurring charges associated with the Special Construction. The Maximum Termination Liability Period will begin when the customer accepts the service.

5.3.5 Charges

Special Construction Charges will be developed and filed on an individual case basis and listed hereunder.