ACCESS SERVICES

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

Citizens Telecommunications Company of Nebraska

In the State of

NEBRASKA

as provided herein.

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

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EXPLANATION OF ABBREVIATIONS

AAM - Assumed Access Minutes
ac - alternating current
ACAT - Additional Cooperative Acceptance Testing
ACD - Automatic Call Distributer
AIOD - Automatic Identification of Outward Dialed
AM - Access Minutes
ANI - Automatic Number Identification
ARD - Automatic Ringdown
ASR - Access Service Request
AST - Automatic Scheduled Testing
AT&TC - American Telephone and Telegraph Communications, Inc.
BHMC - Busy Hour Minutes of Capacity
CCS - Centum-Call Seconds
CCSA - Common Control Switching Arrangement(s)
CDM - Call Days in Month
CMF - Chargeable Minimum Factor
COMPS - Central Office Maintenance Planning System
Cont'd - Continued
CST - Cooperative Scheduled Testing
CSU - Circuit Switching Unit
DA - Digital Data Access
DAM - Distance in Airline Miles
dB - Decibel
dBm - Decibels below one milliwatt
dBmO - Transmission Level Referred to the Zero Transmission Level Point
dBrnCO - Decibel Reference Noise C-Message Weighted O
dBv - Decibels Referred to One Volt
dc - direct current
DDS - Digital Data Service
DTMF - Dual Tone Multi-Frequency
DX - Duplex
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

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EXPLANATION OF ABBREVIATIONS (Cont'd)

f - frequency
FCC - Federal Communications Commission
FIA - Facilities for Intrastate Access
FX - Foreign Exchange
GTOC - Operating Telephone Companies of GTE Corporation
GSEC - General Services and Equipment Code
HC - High Capacity
Hz - Hertz
IA - Interface Arrangement
IC - Interexchange Carrier
ICB - Individual Case Basis
ICD - Interexchange Carrier Demarcation
IDDD - International Direct Distance Dialing
ILP - Initial Liability Period
kbps - kilobits per second
kHz - kilohertz
LDMTS - Long Distance Message Telecommunications Service
Ma - Milliamperes
Mbps - Megabits per second
MHz - Megahertz
MJU - Multi-Junction Unit
MMC - Minimum Monthly Charge
MRC - Monthly Recurring Charge
MST - Manual Scheduled Testing
MTL - Maximum Termination Liability
NA - Not Available
NANP - North American Numbering Plan
NPA - Numbering Plan Area
NRC - Nonrecurring Charge
NST - Nonscheduled Testing
NXX - Three Digit Central Office Code
OPS - Off Premises Station
PBX - Private Branch Exchange
PCM - Pulse Code Modulation
RMC - Recurring Monthly Charge
rms - root-mean-square
SF - Single Frequency

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EXPLANATION OF ABBREVIATIONS (Cont'd)

SRL - Singing Return Loss
STR - Switched Transport Rate
TDCF - Total Day Conversion Factor
TLP - Transmission Level Point
TV - Television
UL- Underutilization Liability
VG - Voice Grade
V&H - Vertical & Horizontal
WA - Wideband Analog
WATS - Wide Area Telecommunications Service

EXPLANATION OF SYMBOLS

(C) - To signify changed regulation
(D) - To signify discontinued rate or regulation
(I) - To signify increase
(M) - To signify a move in text from one area of the tariff to another but no change in rate, treatment or regulation
(N) - To signify new rate or regulation
(R) - To signify reduction
(S) - To signify reissued matter
(T) - To signify a change in text but no change in rate or regulation

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REFERENCE TO TECHNICAL PUBLICATIONS

Sections 4.2.5(A)(A) # Bellcore Technical Reference Publication TR-TSV-000905, (A)(B), (A)(C), and Issue I, August, 1989.

Reference is made in this tariff to the following National Communications System documents pursuant to the National Security Emergency Preparedness (NSEP) Telecommunications Service Priority (TSP) System:

Section 6.4(E)(8) ## NCS Manual 3-1-1 "Telecommunications Service Priority (TSP) system for National Security Emergency Preparedness (NSEP) Service User Manual", dated July 9, 1990.

Section 6.4(F)(4) ## NCS Handbook 3-1-2 "Telecommunications Service Priority (TSP) System for National Security Emergency Preparedness (NSEP) Service Vendor Handbook", dated July 9, 1990.

Available from Bellcore, Customer Service, 60 New England Avenue, Room 18252, Piscataway, New Jersey, 08854-4196.

Available from Government Printing Office, Superintendent of Documentation, Document Control Branch, 941 North Capitol Street, N.E., Washington, DC 20401.

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ACCESS SERVICES

1. APPLICATION OF TARIFF

1.1 This tariff contains regulations, rates and charges applicable to Switched Access and Special Access and End User Access or, in combination, as Facilities for Intrastate Access, hereinafter referred to as FIA, provided by Citizens Telecommunications Company of Nebraska, hereinafter referred to as the Telephone Company, to customers. This tariff further provides for Ancillary and Miscellaneous Services. This tariff does not apply to other services offered by the Telephone Company. (T)

1.2 Regulations, rates and charges as specified in this tariff apply to FIA and shall not serve as a substitute for IC tariff offerings of services to end users. The provision of such FIA by the Telephone Company as set forth in this tariff does not constitute a joint undertaking with an IC for the furnishing of any service.

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2. GENERAL REGULATIONS

2.1 Undertaking of the Telephone Company

2.1.1 Scope

(A) (Reserved for Future Use)

(B) The Telephone Company does not undertake to transmit calls or offer a telecommunications service under this tariff.

(C) The Telephone Company shall be responsible only for the installation, operation, and maintenance of the services which it provides.

(D) The Telephone Company will, for maintenance purposes, test its FIA only to the extent necessary to detect and/or clear troubles. Testing beyond normal parameters will be done as described in Section 6. following.

(E) FIA 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 FIA provided under this tariff except that, where there is no interruption of use or relocation of the FIA, 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 FIA, and the unexpired portion of the minimum period and the termination liability applicable to such FIA, if any; or

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2. GENERAL REGULATIONS (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

2.1.2 Limitations (Cont'd)

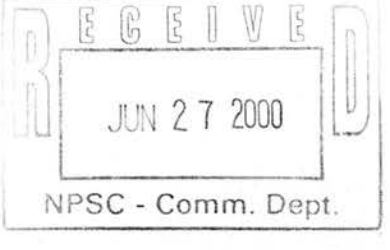
(A) (Cont'd)

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

(B) The emergency provisioning and restoration of FIA 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. Section 6.4 describes the service arrangement.



2. GENERAL REGULATIONS (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

2.1.2 Limitations (Cont'd)

(C) (Reserved for Future Use)

(D) 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 FIA, and subject to the provisions of (B) through (D) following, the Telephone Company's liability, if any, shall not exceed an amount equal to the proportionate charge for the FIA for the period during which the provision of FIA was affected. This liability for damages shall be in addition to any amounts that may otherwise be due the IC under this tariff as a credit allowance for a provision of FIA interruption.

(B) The Telephone Company shall not be liable for any act or omission of any other carrier or customer providing a portion of a service, nor shall the Telephone Company, for its own act or omission, hold liable any other carrier or customer providing a portion of a service.

(C) (Reserved for Future Use)

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2. GENERAL REGULATIONS (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

2.1.3 Liability (Cont'd)

(D) The Telephone Company shall be indemnified, defended and held harmless by the IC or end user against any claim, loss or damage arising from the use of FIA offered under this tariff. The foregoing indemnity shall issue on the IC 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 FIA furnished by the Telephone Company in connection with facilities or equipment furnished by the IC or end user; or

(3) All other claims arising out of any act or omission of the IC or end user in the course of using FIA provided pursuant to this tariff.

(E) The Telephone Company does not guarantee or make any warranty with respect to its FIA when used in an explosive atmosphere. The Telephone Company shall be indemnified, defended and held harmless by the IC or end user from any and all claims by any person relating to the FIA so provided. The foregoing indemnity shall issue on the IC or the end user separately, each being responsible for its own acts and omissions.

(F) 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.

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2. GENERAL REGULATIONS (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

2.1.3 Liability (Cont'd)

(G) 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 FIA 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 FIA provided under this tariff.

(H) The Telephone Company's failure to provide or maintain FIA 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 of following.

(I) The Telephone Company shall reimburse the customer for damages to premises or equipment of the customer resulting from the provision of FIA 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.

2.1.4 Provision of FIA

(A) The Telephone Company, to the extent that such FIA are 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, FIA offered in other applicable sections of this tariff at rates and charges specified therein.

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2. GENERAL REGULATIONS (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

2.1.4 Provision of FIA (Cont'd)

(B) FIA provided to a customer under this tariff may be connected directly to customer facilities and/or may be connected to access facilities of another telephone company or companies in the joint provision of intrastate access.

2.1.5 Installation and Termination of FIA

The FIA provided under this tariff (A) will include any entrance cable or drop wiring and wire or intrabuilding cable to that point where provision is made for termination of the Telephone Company's outside distribution network facilities at a suitable location inside a customer designated location, and (B) will be installed by the Telephone Company to such point of termination. Wire required within a building to extend FIA will be provided, at the customer's request, on a time sensitive charge basis. The labor rates for installation of such wire are the same as those set forth in 6.2(G) following for Additional Labor.

2.1.6 Maintenance of FIA

The FIA 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 FIA provided by the Telephone Company, other than by connection or disconnection to any interface means used, except with the written consent of the Telephone Company.

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2. GENERAL REGULATIONS (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

2.1.7 Changes and Substitutions

Except as provided for equipment and systems subject to 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 FIA 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 IC 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 FIA 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:

- 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.).

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2. GENERAL REGULATIONS (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

2.1.7 Changes and Substitutions (Cont'd)

- 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 FIA

(A) Unless the provisions of 2.2.2(B) following apply, if the customer fails to comply with the provisions of 2.1.6 preceding or 2.3.1 following, and 2.4.1(D) following, including any payments to be made by it on the dates or at the times herein specified, and fails within thirty (30) days after written notice, by certified mail, from the Telephone Company to a person designated by the customer to correct such noncompliance, the Telephone Company may discontinue the provision of the FIA to the noncomplying customer. In case of such discontinuance, all applicable charges shall become due.

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2. GENERAL REGULATIONS (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

2.1.8 Discontinuance and Refusal of FIA (Cont'd)

(B) If the customer repeatedly fails to comply with the provisions of this tariff in connection with the provision of a FIA or group of FIA, and fails to correct such course of action after notice as set forth in (A) preceding, the Telephone Company may refuse applications for additional FIA to the noncomplying customer until the course of action is corrected.

2.1.9 Preemption of FIA

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 judgement, the Telephone Company deems it necessary to preempt, then the Telephone Company will ensure that:

(A) A sufficient number of public switched services are available for public use if preemption of such services is necessary to provision or restore NSEP service.

(B) The service(s) preempted have a lower or do not contain NSEP assigned priority levels.

(C) A reasonable effort is made to notify the preempted service customer of the action to be taken.

(D) A credit allowance for any preempted service shall be made in accordance with the provisions set forth in Section 2.4.4(A).

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2. GENERAL REGULATIONS (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

2.1.10 Limitation of Use of Metallic Facilities

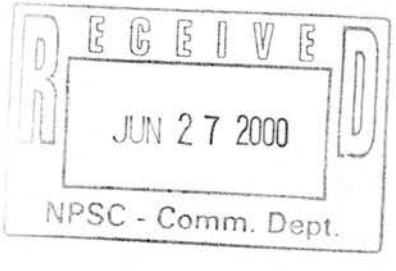
Except for loop and duplex (DX) type signaling, metallic facilities shall not be used for ground return or split pair operation. Signals applied to the metallic facility shall conform to minimum protection criteria for direct electrical connections as set forth in Part 68 of the FCC Rules and Regulations. 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 FIA from excessive current due to abnormal conditions and for the provision of noise mitigation networks when required to reduce excess noise.

2.2 Use

2.2.1 (Reserved for Future Use)

2.2.2 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 FIA provided under this tariff shall not interfere with or impair service over any facilities of the Telephone Company or its connecting and concurring carriers involved in its services, cause damage to their plant, impair the privacy of any communications carried over their facilities or create hazards to their employees or to the public.



2. GENERAL REGULATIONS (Cont'd)

2.2 Use (Cont'd)

2.2.2 Interference or Impairment (Cont'd)

(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) preceding, the Telephone Company will, where practicable, notify the IC or end user, as appropriate, that temporary discontinuance of the use of FIA 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 FIA if such action is reasonable in the circumstances. In case of such temporary discontinuance the IC or end user 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 FIA as set forth in 2.4.4 following is not applicable.

2.2.3 Unlawful Use of FIA

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

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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 FIA under this tariff caused by the negligence or willful act of the customer, or resulting from the customer's improper use of the Telephone Company facilities, or due to malfunction of any facilities or equipment provided by other than the Telephone Company. Nothing in the foregoing provision shall be interpreted to hold one customer liable for another customer's actions. The Telephone Company will, upon reimbursement for damages, cooperate with the customer in prosecuting a claim against the person causing such 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 6.2(G) following.

2.3.2 Theft

The customer shall reimburse the Telephone Company for any loss through theft of facilities, apparatus, or equipment utilized to provide FIA under this tariff at the customer designated location or at the end user's premises. The amount of reimbursement shall be the actual cost for replacement of facilities, apparatus, or equipment lost, plus labor costs as specified in 6.2(G) following.

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2. GENERAL REGULATIONS (Cont'd)

2.3 Obligation of the Customer (Cont'd)

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 FIA under this tariff at the points of termination of such FIA. 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.

2.3.4 (Reserved for Future Use)

2.3.5. (Reserved for Future Use)

2.3.6 Availability for Testing

The FIA 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 FIA in satisfactory operating condition. Such tests and adjustments shall be completed within a reasonable time. No credit will be allowed for any interruptions involved during such tests and adjustments.

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2. GENERAL REGULATIONS (Cont'd)

2.3 Obligation of the Customer (Cont'd)

2.3.7 Balance

All signals for transmission over the FIA 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.

2.3.8 Design of Customer Services

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

2.3.9 References to Telephone Company

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

2.3.10 (Reserved for Future Use)

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2. GENERAL REGULATIONS (Cont'd)

2.3 Obligation of the Customer (Cont'd)

2.3.11 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 FIA provided under this tariff, any circuit, apparatus, system or method provided by the customer, the IC or its end users.

(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 FIA 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 FIA provided under this tariff; provided, however, the foregoing indemnification shall not apply to suits, claims, and demands to recover damages for damage to property, death, or personal injury unless such suits, claims or demands are based on the tortuous conduct of the customer, its officers, agents or employees.

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2. GENERAL REGULATIONS (Cont'd)

2.3 Obligation of the Customer (Cont'd)

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

2.3.13 Identification and Rating of VoIP-PSTN Traffic * (N)

(A) Scope

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

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

*On April 25, 2012 the FCC released its Second Order on Reconsideration of the USF/ICC Transformation Order. Based on this Order, the tariff language in this section will also apply to originating access for VoIP traffic for the period of December 29, 2011 through the effective date of the FCC's April 25th Order, which will occur 45 days after publication of the Order in the Federal Register." (N) (N)

ACCESS SERVICES

2. GENERAL REGULATIONS (Cont'd)

2.3 Obligation of the Customer (Cont'd)

2.3.13 Identification and Rating of VoIP-PSTN Traffic (Cont'd)

(B) Rating of VoIP-PSTN Traffic

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

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

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

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

(2) The Telephone Company will apply the PVU factor to the total terminating intrastate access MOU received from the customer to determine the number of Relevant VoIP-PSTN Traffic MOUs. (T) (T)

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ACCESS SERVICES

2. GENERAL REGULATIONS (Cont'd)

2.3 Obligation of the Customer (Cont'd)

2.3.13 Identification and Rating of VoIP-PSTN Traffic (Cont'd) (N)

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

(3) If the customer does not furnish the Telephone Company with a PVU pursuant to the preceding paragraph 1,the Telephone Company will utilize a PVU equal to zero.

(D) Initial PVU Factor

If the PVU factor is not available and/or cannot be implemented in the Telephone Company's billing systems by January 1, 2012, once the factor is available and can be implemented the Telephone Company will adjust the customer's bills to reflect the PVU retroactively to January 1, 2012. This retroactive adjustment will be made to January 1, 2012, provided that the customer provides the factor to the Telephone Company no later than April 15, 2012; otherwise, it will set the initial PVU equal to zero, as specified in subsection (C)(1), above.

(E) PVU Factor Updates

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

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ACCESS SERVICES

2. GENERAL REGULATIONS (Cont'd)

2.3 Obligation of the Customer (Cont'd)

2.3.13 Identification and Rating of VoIP-PSTN Traffic (Cont'd) (N)

(F) PVU Factor Verification

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

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 FIA 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 rates and charges for the FIA for a two month period. The fact that a deposit has been made in no way relieves the customer from complying with the Telephone Company's regulations as to advance payments or the prompt payment of bills. At such time as the provision of the FIA 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 account at any time prior to the termination of the provision of the FIA to the customer. In case of a cash deposit, for the period the deposit is held by the Telephone Company, the

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2. GENERAL REGULATIONS (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.1 Payment of Charges and Deposits (Cont'd)

(A) (Cont'd)

customer will receive simple annual interest at the percentage rate specified in the Telephone Company General and/or Local Tariff.

(B) Where the provision of FIA requires facilities that meet any of the conditions specified in 10.1.1 following, Special Construction charges as set forth in 10. following will apply.

(C) The Telephone Company shall bill FIA services on a current basis for (a) all charges incurred, (b) applicable taxes, and (c) credits due the customer.

(1) Switched Access, Ancillary and Miscellaneous services shall be billed in arrears.

(2) 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 FIA already billed will be credited on the final bill.

Such bills are due when rendered. Adjustments for the quantities of FIA established or discontinued in any billing period beyond the minimum period set forth in 2.4.2 following will be prorated to the number of days based on a 30 day month. The Telephone Company will, upon request and if available, furnish such detailed information as may reasonably be required for verification of any bill.

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2. GENERAL REGULATIONS (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.1 Payment of Charges and Deposits (Cont'd)

(D) All bills to the customer are due when rendered and are considered past due thirty (30) days after the bill date. In the event the customer does not remit payment after the 30 day period, the FIA may be discontinued as specified in 2.1.8 preceding.

(1) If the entire amount billed, excluding any amount disputed by the customer, is not received by the Telephone Company within thirty (30) days after the bill date, an additional charge equal to 1/12th of the percentage rate for deposit interest as that set forth in 2.4.1 (A) of the unpaid balance will be applied for each month or portion thereof that an outstanding balance remains.

(2) In the event that a billing dispute is resolved in favor of the Telephone Company, any payments withheld pending settlement of the dispute shall be subject to an additional charge equal to an additional charge equal to 1/12th of the percentage rate for deposit interest as that set forth in 2.4.1(A), of the amount of such disputed charges for each month or portion thereof that such charges were unpaid. If the customer who has paid the total billed amount on or before the due date (i.e., bill date plus 30 days) disputes the billed amount within six months of the bill date and the dispute is resolved in favor of the customer, a credit will be granted to the customer for both the disputed amount paid and an amount equal to the percentage rate specified in 2.4.1(D)(1), preceding, based on this disputed amount withheld for each month or portion thereof.

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2. GENERAL REGULATIONS (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.1 Payment of Charges and Deposits (Cont'd)

(D) (Cont'd)

(3) Late Payment Charges applicable to End User FIA, described in Section 13 following, are those set forth in the General and/or local tariffs of the Telephone Company.

2.4.2 Minimum Periods

(A) The minimum periods for which FIA are provided and for which rates and charges are applicable are set forth in 3.2.4 following.

(B) The minimum periods for which FIA are provided and for which rates and charges are applicable for Specialized FIA or Arrangements provided on an Individual Case Basis, as set forth in 7. following are established with the individual case filing.

(C) For discontinuances of FIA with a one month minimum period, all applicable charges for the one month period will apply. In instances where the minimum period is greater than one month, however, the charge will be the lesser of the Telephone Company's non-recoverable costs less the net salvage value for the discontinued service or the minimum period charges.

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2. GENERAL REGULATIONS (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.3 Cancellation of an ASR

Provisions for the cancellation of an Access Service Request (ASR) are set forth in 3.2.6.

2.4.4 Credit Allowance for FIA Interruptions

(A) General

A FIA is interrupted when it becomes unusable to the customer because of a failure of a component used to furnish FIA under this tariff, or when the service is preempted as a result of invoking NSEP treatment or when the application of protective controls interrupt all transmission paths as set forth in 4.2.9 following. A credit allowance will be made for the period in excess of 30 minutes the FIA is interrupted. An interruption period starts when Telephone Company personnel become aware that the FIA is inoperative.

The credit allowance(s) for an interruption or for a series of interruptions shall not exceed the monthly rate or the Minimum Monthly Charge for services so rated for the services interrupted in any one monthly billing period.

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2. GENERAL REGULATIONS (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.4 Credit Allowance for FIA Interruptions (Cont'd)

(A) General

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

(1) For Special Access services other than Program Audio and Videoband, and for Switched Access Entrance Facilities, Direct-Trunked Transport and Multiplexing services a credit allowance will be made for an interruption period of 30 minutes or more. The allowance will be calculated at the rate of 1/1440 of the monthly charge for the portion of the FIA affected, for each 30 minutes or major fraction thereof that the interruption continues. A major fraction is considered to be sixteen minutes or more beyond the 30 minute period.

(2) For Program Audio Service and Videoband provided at daily rates, for each 30 seconds out of service the customer shall receive, upon request, a credit at the rate of 1/288 of the daily rate. Two or more such interruptions occurring during a period of 5 consecutive minutes shall be considered as one interruption.

(3) Usage rated services will be billed actual usage or a prorated portion of the minimum monthly charge as described in 4.5.2 following. The minimum monthly charge will be prorated based upon the portion of the month in service.

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2. GENERAL REGULATIONS (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.4 Credit Allowance for FIA Interruptions (Cont'd)

(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 FIA due to the failure of equipment or systems provided by the customer or others.

(3) Interruptions of a FIA during any period in which the Telephone Company is not afforded access to the premises where the FIA is terminated.

(4) Interruptions of a FIA during an agreed upon period when the customer has released a FIA to the Telephone Company for maintenance purposes, to make rearrangements, or for the implementation of an order for a change in the FIA. Should the maintenance, rearrangement, or order implementation interruption period extend beyond the agreed upon period, credit allowance will apply.

(5) Interruptions of a FIA which continue because of the failure of the customer to authorize replacement of any element of Special Construction, as set forth in 10. following. 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.

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2. GENERAL REGULATIONS (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.4 Credit Allowance for FIA Interruptions (Cont'd)

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

(6) Periods when the customer elects not to release the FIA for testing and/or repair and continues to use it on an impaired basis.

(7) (Reserved for Future Use)

(8) 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 FIA is interrupted, the customer must pay the tariffed rates and charges for the alternative service used.

(D) Temporary Surrender of a FIA

In certain instances, the customer may be requested to surrender a FIA for purposes other than maintenance, testing or activity relating to a service order. If the customer consents, or in the instance of preemption under NSEP Treatment as set forth in Section 2.1.9 preceding, a credit allowance will be granted. The credit allowance will be determined in accordance with 2.4.4(A) preceding.

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2. GENERAL REGULATIONS (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.5 Performance Commitment Program

All refunds under the Performance Commitment Program will be provided as a credit adjustment to the customer's bill.

(A) Performance Commitment Program - Provisioning

The Telephone Company assures that orders for FIA will be installed and available for customer use no later than the Service Date as referenced in Section 3.2.1, Service Date Intervals. The failure of the Telephone Company to meet the service date of an ASR will result in the refund of all NRCs associated with that ASR. The Telephone Company's liability for failure to meet this commitment is limited to the refund of the NRCs for that ASR. The Telephone Company's liability for failure to meet this commitment is limited to the refund of the NRCs for the ASR associated with the missed Service Date.

The Performance Commitment Program - Provisioning does not apply:

(1) when failure to meet the Service Date occurs because of conditions listed in 2.1.3(H) or due to actions of the customer.

(2) to Special Construction as provided in Section 10.

(3) when the Telephone Company is not the Access Service Coordination Exchange Carrier (ASC-EC) and the Service Date is not set by the LEC acting as ASC-EC for its portion of the service. See diagram below for indication of when the Telephone Company NRC refund will apply.

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2. GENERAL REGULATIONS (Cont'd)

2.5 Connections

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

2.6 Definitions

Certain terms used herein are defined as follows:

Access Area

The term "Access Area" denotes a specific calling area containing those customers served by one or more Central Offices associated with the various Switched Access provisions offered under this tariff. The size and configuration of the Access Area a customer obtains is dependent upon the Feature Group type and the specific characteristics of the Central Office or Access Tandem office to which the customer is connected.

Access Code

Access Service. It denotes a uniform seven digit code dialed by an end user to access and Interexchange Carrier's facilities. The seven digit code has the form 10XXXX or the form 950-XXXX.

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2. GENERAL REGULATIONS (Cont'd)

2.6 Definitions (Cont'd)

Access Minutes

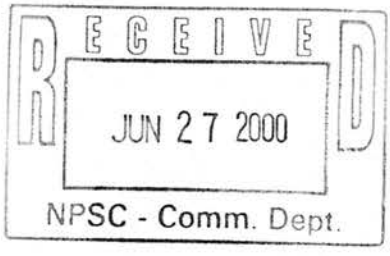
The term "Access Minutes" denotes that usage of exchange facilities in interstate or foreign service for the purpose of calculating chargeable usage. On the originating end of an intrastate or foreign call, usage is measured from the time the originating End User's call is delivered by the Telephone Company to and acknowledged as received by the customer's facilities connected with the originating exchange. On the terminating end of an intrastate or foreign call, usage is measured from the time the call is received by the End User in the terminating exchange. Timing of usage at both originating and terminating ends of an intrastate or foreign call shall terminate when the calling or called party disconnects, whichever event is recognized first in the originating and terminating end exchanges, as applicable. For the calculation of total minutes, seconds are totaled and converted to minutes before rounding occurs. Remainder seconds greater than 29 are rounded to a minute.

Access Service Request

The term "Access Service Request" (ASR) denotes a document (i.e., order) used by the Telephone Company to process a customer's request for Access Services as offered throughout this tariff.

Access Tandem

The term "Access Tandem" denotes a Telephone Company switching system that provides a traffic concentration and distribution function for inter-LATA area traffic originating from or terminating at end offices in the access area.



2. GENERAL REGULATIONS (Cont'd)

2.6 Definitions (Cont'd)

Answer/Disconnect Supervision

The term "Answer/Disconnect Supervision" denotes the transmission of the switch trunk equipment supervisory signal (off-hook or on-hook) to the customer designated location for terminating calls to a Telephone Company end office as an indication that the called party has answered or disconnected.

Answer Message

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

Attempt

The term "Attempt" denotes a call in the originating direction from an end user to a customer designated location which is completed (answered) or not completed (not answered) and a call in the terminating direction from a customer designated location to an end user or IC which is completed (answered) or not completed (not answered).

Attenuation Distortion

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

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2. GENERAL REGULATIONS (Cont'd)

2.6 Definitions (Cont'd)

Balance (100-Type) Test Line

The term "Balance (100-Type) Test Line" denotes a standard feature of FGA, FGB, FGC, FGD, 800,888,877 Access Service, BSA-A, BSA-B, BSA-C and BSA-D, and refers to the end office termination provided for balance and noise testing. The termination provides off-hook supervision to the calling end, and terminates the line or trunk in a resistive and capacitive arrangement which simulates the characteristic impedance of the end office.

Basic Service Element

The term "Basic Service Element (BSE)" denotes an unbundled service option available only with Basic Serving Arrangements.

Basic Serving Arrangement

The term "Basic Serving Arrangement (BSA)" denotes a category of Switched Access Service differentiated by technical characteristics, e.g., line side versus trunk side connection at the Telephone Company's first point of switching.

BHMC

See Busy Hour Minutes of Capacity

Bit

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

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2. GENERAL REGULATIONS (Cont'd)

2.6 Definitions (Cont'd)

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.

Business Day

The term "Business Day" denotes the times of day that a company is open for business. Generally, in the business community, these are 8:00 or 9:00 a.m. to 5:00 or 6:00 p.m., respectively, with an hour for lunch, Monday through Friday, resulting in a standard forty (40) hour work week.

Busy Hour Minutes of Capacity

The term "Busy Hour Minutes of Capacity" denotes the trunk group usage load to be provided for consisting of the average of the daily busiest hour of usage during the twenty consecutive busiest days of a calendar year.

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.

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2. GENERAL REGULATIONS (Cont'd)

2.6 Definitions (Cont'd)

C-Message Noise

The term "C-Message Noise" denotes the frequency weighted average noise within an idle voice circuit. The frequency weighing, 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.

CCS

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

Call

The term "Call" denotes a communication including an off-hook signal and routing information initiated at the originating location and completed to a terminating location.

Call and Bill Processing Center

The term "Call and Bill Processing Center" denotes a centralized computer processing location utilized by the Telephone Company in the provision of Ancillary Services.

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2. GENERAL REGULATIONS (Cont'd)

2.6 Definitions (Cont'd)

Central Office

See End Office Switch

Central Office Loop Around Test Line

The term "Central Office Loop Around Test Line" denotes equipment in the Telephone Company's end office which provides a means for making two-way transmission tests for Switched Access services. These transmission tests are normally for the measurement of level and noise tests. This arrangement has two terminations, each reached by means of a separate seven digit number.

Central Office Prefix

The term "Central Office Prefix" denotes the first three digits (NXX) of the telephone number assigned to a Telephone Company subscriber's local service when dialed on a local basis.

Centralized Automatic Reporting on Trunks (CAROT) Testing

The term "Centralized Automatic Reporting on Trunks (CAROT) Testing" denotes a type of testing which includes the capacity for measuring the 1000 Hz loss, C-message weighted noise, C-notched noise, loss slope, and the provision of a balance termination.

Channelize

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

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2. GENERAL REGULATIONS (Cont'd)

2.6 Definitions (Cont'd)

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.

Committed Information Rate (CIR)

The term "Committed Information Rate (CIR)" denotes the maximum information rate at which customer traffic will be admitted to the Frame Relay network without being designated eligible for discard.

Common Line

The term "Common Line" denotes a line, trunk, pay telephone line or other facility provided under the General and/or Local tariffs of the Telephone Company, terminated on a Central Office switch. A Common Line - Residence is a line or trunk provided under the residence regulations of the General and/or Local tariffs. A Common Line - Business is a line provided under the business regulations of the General and/or Local tariffs. A coin line is a line provided under the public and/or semi-public service regulations of the General and/or Local tariffs of the Telephone Company.

Communications System

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

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2. GENERAL REGULATIONS (Cont'd)

2.6 Definitions (Cont'd)

Confirmed Order

The term "Confirmed Order" denotes a customer's order for Switched Access FIA which the Telephone Company has processed with the Engineering Department to confirm for the customer and the Telephone Company the availability of facilities and/or equipment. The date the order is confirmed, the standard service date interval commences.

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, including Interexchange Carriers (ICs), end users and Information Service Providers.

Customer Designated Location

The term "Customer Designated Location" denotes a location specified by the customer for the purpose of terminating FIA 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. Customer designated locations include locations such as customer premises, end user premises, customer repeater stations, customer microwave towers, a Telephone Company's first point of switching, some other point where Telephone Company testing can occur, etc. When a customer orders Special Access to connect to a Telephone Company Switch, that switch is a CDL Where the Special Access Service Terminates. Customer transmission facilities and equipment terminated in Telephone Company central offices under EIS arrangements, are not considered a CDL. However, Telephone Company Special Access Services may be interconnected to such customer equipment using a Cross Connect arrangement. (N)

(N)

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2. GENERAL REGULATIONS (Cont'd)

2.6 Definitions (Cont'd)

D-Conditioning

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

Daily Busiest Hour

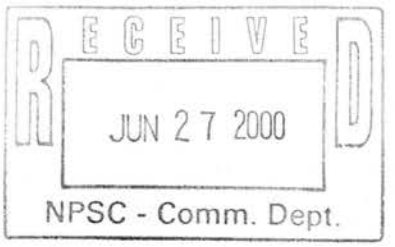
The term "Daily Busiest Hour" denotes the highest usage hour for each day with the reading taken on the clock hour or half hour. The clock hour or half hour selection varies from day to day, depending upon the usage measured. The Daily Busiest Hour is also known as the Bouncing Busy Hour.

Data Transmission (107-Type) Test Line

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

Dual Tone Multifrequency Address Signaling

The term "Dual Tone Multifrequency Address Signaling" denotes a type of signaling that is an optional feature of FGA or BSA-A. It may be utilized when FGA or BSA-A is being used in the terminating direction. An office arranged for Dual Tone Multifrequency Signaling would expect to receive address signals from the customer in the form of Dual Tone Multifrequency signals.



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 voiceband (approximately 500 to 2500 Hz) where talker echo is most annoying.

End Office Switch

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

End User

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

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.

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2. GENERAL REGULATIONS (Cont'd)

2.6 Definitions (Cont'd)

Entry Switch

See First Point of Switching.

Excess Capacity

The term "Excess Capacity" denotes a quantity of FIA requested by the customer which is greater than that which the Telephone Company would construct to fulfill the customer's order for FIA.

Exit Message

The term "Exit Message" denotes an SS7 message sent to an end office by the Telephone Company tandem switch to mark the connect time when the Telephone Company's tandem switch sends an Initial Address Message to a customer.

First Point of Switching

The term "First Point of Switching" denotes the first Telephone Company location at which switching occurs on the terminating path of a call proceeding from the customer designated location to the terminating end office or the last Telephone Company location at which switching occurs on the originating path of a call proceeding from the originating end office to the customer designated location.

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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.

Frame

The term "Frame" denotes a group of data bits, in specific format, with a flag at either end to indicate the beginning and end of the frame. The defined format enables network equipment to recognize the meaning and purpose of specific bits.

Frame Relay Access Line

Provides access to the Frame Relay Network connecting customer facilities at the network interface with a corresponding Frame Relay Port.

Frame Relay Port

The term "Frame Relay Port" denotes, for Frame Relay Service, the physical entry points for access lines and the originating and terminating points for Permanent Virtual Circuits (PVCs). Ports include the electronic equipment used in connecting these service elements to the frame Relay Network and enable customers to allocate bandwidth to applications, as needed, at customer designated transmission speeds between 56/64 Kbps to 45 Mbps.

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2. GENERAL REGULATIONS (Cont'd)

2.6 Definitions (Cont'd)

Ground Start Supervisory Signaling

The term "Ground Start Supervisory Signaling" denotes a type of signaling which provides for the application of ground on the tip side of the point of termination (assuming no signaling conversion has been provided by the Telephone Company) as an initial seizure signal before the application of ringing in the originating direction (towards the customer from the end office).

Individual Case Basis

The term "Individual Case Basis" 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.

Information Service Provider

The term "Information Service Provider" denotes one who offers a capability for generating, acquiring, storing, transforming, processing, retrieving, utilizing, or making available information which may be conveyed via telecommunications, except that such service does not include (1) any use of any such capability for the management, control, or operation of a telecommunications system or the management of a telecommunications service, or (2) the provision of time, weather, and such other similar audio services that are offered by the Telephone Company.

Initial Address Message (IAM)

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

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2. GENERAL REGULATIONS (Cont'd)

2.6 Definitions (Cont'd)

Installed Cost

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

Interexchange Carrier (IC) or Interexchange Common Carrier

The terms "Interexchange Carrier" (IC) or "Interexchange Common Carrier" denote any individual, partnership, association, joint stock company, trust, governmental entity or corporation engaged for hire in interstate or foreign communication by wire or radio, between two or more LATAs.

Intermodulation Distortion

The term "Intermodulation 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).

Interstate Communications

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

Intrastate Communications

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

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2. GENERAL REGULATIONS (Cont'd)

2.6 Definitions (Cont'd)

Line Side Connection

The term "Line Side Connection" denotes a connection of a transmission path to the line side of a Central Office switching system.

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.

Local Tandem Switch

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

Logical Channel

the term "Logical Channel" denotes a communication channel which allows two-way simultaneous transmission of data packets through the network. No circuit capability is preassigned to a logical channel. Capacity is made available as the data is transmitted. Each virtual connection utilizes one logical channel.

Maximum Burst Size (Be)

The term "Maximum Burst Size (Be)" denotes the maximum information rate at which customer traffic will be admitted to the Frame Relay network. Traffic rates in excess of Be will be automatically discarded on ingress to the network.

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2. GENERAL REGULATIONS (Cont'd)

2.6 Definitions (Cont'd)

Maximum Termination Liability

The term "Maximum Termination Liability" denotes the maximum amount of money for which the customer is liable in the event all FIA 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 FIA are terminated. The MTL period is equal to the average account life of the FIA provided.

Message

See Call

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.

Milliwatt (102 Type) Test Line

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

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2. GENERAL REGULATIONS (Cont'd)

2.6 Definitions (Cont'd)

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.

Nonrecoverable Cost

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

Nonsynchronous Test Line

The term "Nonsynchronous Test Line" denotes an arrangement in step-by-step end offices which provides operational tests which are not as complete as those provided by the synchronous test lines, but which can be made more rapidly.

North American Numbering Plan

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

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2. GENERAL REGULATIONS (Cont'd)

2.6 Definitions (Cont'd)

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.

Off-Hook

The term "Off-Hook" denotes the active condition of Switched Access or a Telephone Company local service line.

On-Hook

The term "On-Hook" denotes the idle condition of Switched Access or a Telephone Company local service line.

Open Circuit Test Line

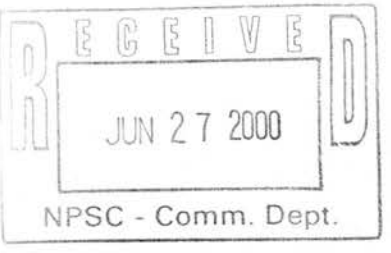
The term "Open Circuit Test Line" denotes an arrangement in an end office which provides an ac open circuit termination of the trunk or line by means of an inductor of several Henries.

Order Interval

The term "Order Interval" denotes the interval between the Scheduled Issue Date and the Service Date.

Originating Direction

The term "Originating Direction" denotes the use of Switched Access for the origination of calls from an end user to a customer designated location.



2. GENERAL REGULATIONS (Cont'd)

2.6 Definitions (Cont'd)

Pay Telephone

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

Permanent Virtual Circuit (PVC)

The term "Permanent Virtual Circuit (PVC)" denotes a logical channel defined in software, that establishes a path from one customer port to another.

Plant Test Date

The term "Plant Test Date" denotes the date on which installation is completed and the Telephone Company to customer testing can begin.

Point of Termination

The term "Point of Termination" denotes the point of demarcation at a customer designated location or end user premises at which the Telephone Company's responsibility for the provision of FIA 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.

Pre-service Testing

The term "Pre-service Testing" denotes tests performed on a FIA to assure standard transmission performance/parameters meet specifications prior to acceptance testing.

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2. GENERAL REGULATIONS (Cont'd)

2.6 Definitions (Cont'd)

Public Pay Telephone

The term "Public Pay Telephone" denotes a switched coin line provided under the Public Telephone Service regulations of the General and/or Local tariffs of the Telephone Company.

Permanent Virtual Circuit (PVC)

The term "Permanent Virtual Circuit (PVC)" denotes a logical channel defined in software, that establishes a path from one customer port to another.

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 comply with and have been approved within the Registration Provisions of Part 68 of the FCC Rules and Regulations.

Release Message

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

Route Mileage

The term "Route Mileage" denotes the actual Telephone Company provided facility mileage of a transmission circuit.

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2. GENERAL REGULATIONS (Cont'd)

2.6 Definitions (Cont'd)

Scheduled Issue Date

The term "Scheduled Issue Date" denotes the date the Telephone Company is scheduled to enter the order details into its order distribution system.

Semi-public Pay Telephone

The term "Semi-public Pay Telephone" denotes a switched coin line provided under the Semi-public Telephone Service regulations of the General and/or Local tariffs of the Telephone Company.

Service Date

The term "Service Date" denotes the date that the FIA is to be placed in service. A confirmed order is required to establish a service date.

Seven-Digit Manual Test Line

The term "Seven-Digit Manual Test Line" denotes a set of optional features for all Switched Access which allow the IC to select balance, milliwatt, and synchronous test lines of FGA and BSA-A, by manually dialing a seven-digit number over the associated Switched Access.

Short Circuit Test Line

The term "Short Circuit Test Line" denotes the end office circuit which provides an ac short circuit termination of the trunk or line by means of a capacitor of at least 4 microfarads.

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2. GENERAL REGULATIONS (Cont'd)

2.6 Definitions (Cont'd)

Signaling System 7 (SS7)

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

Statistical Multiplexing

The term "statistical Multiplexing" denotes a technique in which timeslots are dynamically allocated on the basis of need rather than being predetermined. The data is typically transmitted on a first come, first served basis.

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.

Telecommunications Service Priority (TSP) System

The term "Telecommunications Service Priority (TSP) System" refers to the regulatory, administrative and operational system authorizing and providing for priority treatment (i.e., the provisioning and restoration) or NSEP Services.

Temporary Facilities

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

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2. GENERAL REGULATIONS (Cont'd)

2.6 Definitions (Cont'd)

Terminating Direction

The term "Terminating Direction" denotes the use of Switched Access for the completion of calls from a customer designated location to an end user.

Trunk

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

Trunk Group

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

Trunk Side Connection

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

V&H Coordinates Method

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

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2. GENERAL REGULATIONS (Cont'd)

2.6 Definitions (Cont'd)

WATS Serving Office

The term "WATS Serving Office" denotes a Telephone Company designated serving wire center where switching, screening and/or recording functions are performed in connection with a Special Access Line used with a Switching Interface as in 4.2.5(V)**.

Wire Center

The term "Wire Center" denotes a building in which one or more end 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 end office switching equipment, cross connection equipment, and subscriber loops.

2.7 FIA Services Provided By More Than One Telephone Company

(A) When Switched Transport or Special Transport service is provided by more than one telephone company, the telephone companies involved will mutually agree upon one of the billing methods as in (1) or (2) following based upon the interconnection arrangements between the telephone companies and the availability of measurement and billing capability.

The telephone company will notify the customer which billing methods will be used. The customer will place the order for the service as in 3.3.1, dependent upon the billing method utilized.

** The use of the terms WATS or WATS –type throughout this tariff is primarily for ordering purposes and is not intended to restrict the use of the customer services.

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2. GENERAL REGULATIONS (Cont'd)

2.7 FIA Services Provided By More Than One Telephone Company (Cont'd)

(A) (Cont'd)

(1) Single Company Billing:

(a) The telephone company receiving the order from the customer, as specified in 3.3.1(A)(1) following, will arrange to provide the service, determine the applicable charges and bill the customer for the entire service in accordance with its Access tariff. The airline mileage is determined using the V&H method as set forth in National Exchange Carrier Association (NECA) Tariff FCC No. 4.

(2) Multiple Company Billing:

(a) Each telephone company receiving an order or a copy of the order from the customer, as specified in 3.3.1(A)(2) following, will determine the applicable charges for the portion of the service it provides and bill in accordance with its Access tariff as follows:

(1) Determine the appropriate Switched and/or Special Transport miles by computing the number of airline miles between the telephone company premises (end office, or access tandem and the serving wire center(s) for Switched Access or for Special Access) using the V&H method set forth in the NECA Tariff FCC No. 4.

(2) Determine the billing percentage (BP), as set forth in the NECA Tariff FCC No. 4. This represents the portion of the service provided by each telephone company.

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2. GENERAL REGULATIONS (Cont'd)

2.7 FIA Services Provided By More Than One Telephone Company (Cont'd)

(A) (Cont'd)

(2) (Cont'd)

(a) (Cont'd)

(3) For Switched Access service, using the BP method, (a) multiply the BP of the Telephone Company, as set forth in (2) preceding, times the number of airline miles, as set forth in (1) preceding, to determine the appropriate telephone company miles to be billed, times the number of access minutes of use, times the Switched Transport Facility Rate; (b) multiply the Switched Transport Termination Rate times the number of access minutes of use times the quantity of terminations.

Example of Billing Percentage (BP) Method:

The transport between Office X and Office Y is jointly provided by telephone companies A and B. The following example reflects the rate for telephone company A. Rates for telephone company B would appear in its appropriate Access Tariff.

(A) Airline miles from telephone company A (office X) to telephone company B (office Y) = 50 airline miles as set forth in NECA Tariff FCC No. 4.

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2. GENERAL REGULATIONS (Cont'd)

2.7 FIA Services Provided By More Than One Telephone Company (Cont'd)

(A) (Cont'd)

(2) (Cont'd)

(a) (Cont'd)

(2) (Cont'd)

(B) Billing Percentage for each telephone company (from NECA Tariff FCC No. 4).

Telephone Company A = 40%
Telephone Company B = 60%

(C) Access Minutes for Telephone Company A = 9000.

(D) Switched Transport Facility Rate for Telephone Company A = SWT FAC

(E) Switched Transport Termination Rate = SWT TERM

NOTE: The Switched Transport Termination Rate does not apply in situations where there is an intermediate, non-terminating Local Exchange Carrier involved in the provision of Switched Transport Facility.

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2. GENERAL REGULATIONS (Cont'd)

2.7 FIA Services Provided By More Than One Telephone Company (Cont'd)

(A) (Cont'd)

(2) (Cont'd)

(a) (Cont't)

(3) (Cont'd)

Formula:

[Billing Percentage (BP) x Airline miles (ALM) x Access Minutes (AM) x Switched Transport Facility Rate (SWT FAC)] + [Switched Transport Termination Rate (SWT TERM) x Access Minutes (AM) x Quantity of Terminations (TERMS)] = Total.

Calculation:

Telephone Company A

AM ALM BP SWT FAC SWT TERM AM TERMS
[9000 x 50 x .40 x SWT FAC] + [SWT TERM x 9000 x TERMS] = Total

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2. GENERAL REGULATIONS (Cont'd)

2.7 FIA Services Provided By More Than One Telephone Company (Cont'd)

(A) (Cont'd)

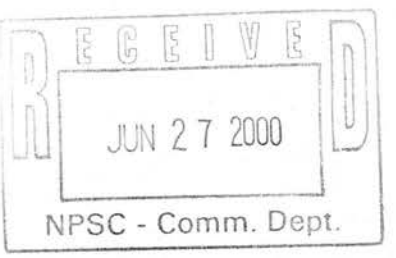
(2) (Cont'd)

(a) (Cont'd)

(4) For Special Access, multiply the BP of the Telephone Company as set forth in (2) preceding, times the number of airline miles as set forth in (1) preceding, to determine the appropriate telephone company miles to be billed, times the Special Transport rate.

(b) All other appropriate recurring and nonrecurring charges in each telephone company's Access tariff are applicable.

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



3. ORDERING OPTIONS FOR FIA

3.1 General

This section sets forth the regulations and order related charges for FIA Orders to provide the customer with FIA. 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 FIA of the same interface type, same Feature Group, same BSA or same Special Access between the same locations on a single FIA ASR. Orders for FGA or BSA-A must be in number of lines required. ASRs for FGB, FGC, FGD, BSA-B, BSA-C, BSA-D and SAC Access Service may be in trunks or Busy Hour Minutes of Capacity (BHMC). Additional ASR requirements for Switched Access Service are described in 4.2.5(V) and 4.3.2.

(B) The customer shall supply all details necessary to complete an order. The details may include the following: requested service date, customer name, customer designated location, end office, Interface Arrangement, type of Switched Access or Special Access, Supplemental Features, End Office Services and Signaling Interface, and originating and terminating capacity required. 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) When the Alternate Traffic Routing Optional Arrangement is ordered, more than one IC point of presence will be supplied and the number of trunks or BHMC for FGB, FGC and FGD to each CDL shall be specified.

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3. ORDERING OPTIONS FOR FIA (Cont'd)

3.1 General (Cont'd)

3.1.1 Ordering Conditions (Cont'd)

(C) (Cont'd)

When the Alternate Traffic Routing Basic Serving Element (BSE) is ordered, more than one CDL will be supplied and the number of trunks or BHMC for BSA-B, BSA-C, and BSA-D to each CDL shall be specified.

(D) The customer shall order SAC Access Service, as described in 4.2.1(E), in the same manner as ordering FGD or BSA-D with the following exceptions. For 500 SAC Access Service or 900 SAC Access Service, customers may request direct connections to only those offices designated by the Telephone Company as 500 SAC Access Service or 900 SAC Access Service screening offices. All 500 NXX or 900 NXX code assignments and administration shall be in accordance with the North American Numbering Plan (NANP). 800/888/877 SAC Access Service is offered only in conjunction with the 800/888/877 Customer Identification Function as described in 4.2.11 and in conjunction with 800/888/877 Data Base Query Service as described in 4.2.19. Customers may request 800/888/877 SAC access connections to suitably equipped end offices and access tandem offices. A list of those offices will be provided upon request. All 800/888/877 number assignments shall be administered by the Number Administration Service Center (NASC) through the Service Management System (SMS).

500 NXX codes or 900 NXX codes to be activated and/or deactivated in conjunction with 500 SAC Access Service or 900 SAC Access Service, must be

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3. ORDERING OPTIONS FOR FIA (Cont'd)

3.1 General (Cont'd)

3.1.1 Ordering Conditions (Cont'd)

(D) (Cont'd)

provided to the Telephone Company at least 30 business days prior to the effective date of the change.

An ASR is required by the Telephone Company for 500 NXX codes or 900 NXX codes to be activated or deactivated on a tandem level basis. The Subsequent Ordering Charge - Switched Access as described in 4.5.2(A) will apply. In addition to the Subsequent Ordering Charge, the 500 NXX Translation Charge, as described in 4.5.2(N)(8), shall apply to each 500 NXX code activated or deactivated in a Telephone Company switch capable of performing the customer identification function for 500 SAC Access Service. Customer assigned codes for which an ASR has not been received will be blocked.

When SAC Access Service is not terminated over a Special Access Line as in 5.1.1(C)(2), the customer must notify the Telephone Company of all local exchange telephone numbers to which SAC Access Service traffic is designated so that the Telephone Company can balance the end office in accordance with standard Telephone Company engineering practices for heavy volume lines.

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3. ORDERING OPTIONS FOR FIA (Cont'd)

3.1 General (Cont'd)

3.1.1 Ordering Conditions (Cont'd)

(E) To determine if adequate central office facilities for FGD or BSA-D will be available on the conversion date to equal access and to be eligible for the facility allocation as set forth in the following paragraph all customers (including those customers who convert existing FGA, FGB, FGC, BSA-A, BSA-B, and BSA-C to FGD or to BSA-D) must order FGD or BSA-D 120 days prior to an end office conversion to equal access.

When facilities are not available to meet the demand received for FGD facilities an allocation of available facilities will be required. The allocation of available facilities is a three step process as described in the below mentioned example.

In this example assume nine carriers are requesting 1,000 FGD trunks where only 800 trunks are available at the conversion date.

Step 1: Provide an initial flat 25% distribution of available facilities to each requesting user of access except for incremental requests over existing levels of FGC.

-25% x 800 (available facilities) = 200

$\frac{200}{(9\text{-}1)} = 25$

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3. ORDERING OPTIONS FOR FIA (Cont'd)

3.1 General (Cont'd)

3.1.1 Ordering Conditions (Cont'd)

(E) (Cont'd)

Step 2: Assign all remaining facilities proportionately, working from bottom up until users as a result of the proration are assigned less facilities than requested. First determine facilities available for apportionment.

- 800 - 175 = 625 (eligible users are A, B, C, D, E, F)

- (Requested Facilities)
  (Total Requested Facilities) x Remaining Facilities
  (of Remaining Facilities)

  - $F = \frac{70}{1000 - 50} \times 625 = 46$ (assign only 45)(**)

  - $E = \frac{80}{1000 - 120} \times (625 - 45) = 53$

    (E receives less facilities than originally ordered, i.e., 53 + 25 = 78)

(**) Will not assign more than requested.

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3. ORDERING OPTIONS FOR FIA (Cont'd)

3.1 General (Cont'd)

3.1.1 Ordering Conditions (Cont'd)

(E) (Cont'd)

Step 3: When a user receives less facilities than requested, the remainder of users are allocated according to the following allocation factor:

$$\frac{\text{Remaining Facilities of Remaining Eligible Users of Access}}{\text{Total Requested Facilities}} = \frac{625 - 98}{1000 - 200} = \frac{527}{800} = .659$$

- D = 100 x .659 = 66
- C = 200 x .659 = 132
- B = 200 x .659 = 132
- A = 300 x .659 = 197

User of Access	Resources Requested	Step 1 Resources Available		Flat 25% Distribution	Total Step 2	Step 3	Assigned Facilities
	A	300	-	25	-	197	222
	B	200	-	25	-	132	157
	C(*)	200	-	-0-	-	132	132
	D	100	-	25	-	66	91
	E	80	-	25	53	-	78
	F	70	-	25	(**)45	-	70
	G	25	-	25	-	-	25
	H	15	-	(**)15	-	-	15
	I	10	-	(**)10	-	-	10
	Total	1,000	800	175	98	527	800

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3. ORDERING OPTIONS FOR FIA (Cont'd)

3.1 General (Cont'd)

3.1.1 Ordering Conditions (Cont'd)

(E) (Cont'd)

(*) Request for additional facilities by a user of access with existing FGC or BSA-C

(**) Will not assign more than requested

(F) (Reserved for Future Use)

(G) When ordering Signaling System 7 (SS7) Out of Band Signaling as described in 4.2.5(A)(A), the customer shall provide an ASR specifying a reference to existing CCS7 Access service facilities or reference to a related ASR for CCS7 Access service as such CCS7 Access service facilities are described in GTOC TARIFF FCC NO. 1. The customer's ASR shall also include STP point codes, STP location identifier codes, FGD or BSA-D trunk or 800/888/877 Service Access trunk circuit identification codes, and switch type. When ordering SS7 Out of Band Signaling for FGD or BSA-D, the customer shall specify that all traffic carried by that FGD or BSA-D will be equipped with out of band signaling. The customer shall work cooperatively with the Telephone Company to determine the number of CCS7 Access service connections required to handle the customer's SS7 Out of Band Signaling traffic.

(H) (Reserved for Future Use)

(I) (Reserved for Future Use)

(J) (Reserved for Future Use)

(K) (Reserved for Future Use)

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3. ORDERING OPTIONS FOR FIA (Cont'd)

3.1 General (Cont'd)

3.1.1 Ordering Conditions (Cont'd)

(L) When ordering FGD or BSA-D Switched Access with 950-XXXX Access as described in 4.2.5(W), the customer shall provide an ASR specifying which 950-XXXX access code(s) are to be routed and the FGD or BSA-D Switched Access Service over which resulting originating 950-XXXX access code calls are to be routed.

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3. ORDERING OPTIONS FOR FIA (Cont'd)

3.1 General (Cont'd)

3.1.2 Provision of Other Services

(A) At the option of a customer, Recording and Processing, Directory Assistance, Additional Labor, Telecommunications Service Priority (TSP), Testing and Special Routing services may be ordered with a FIA Order at the same time the order is accepted by the Telephone Company. Such requests will be considered to be supplemental to the FIA Order. The rates and charges for these services as set forth in other sections of this tariff will apply in addition to the ordering charges set forth in this section and the rates and charges for the Switched Access or Special Access with which they are associated.

(B) The items listed in (A) preceding may subsequently be added to the order at any time, up to and including the service date established by the FIA Order. When ordered subsequently, charges for order modifications as in 3.2.2 will apply.

3.1.3 Special Construction

The regulations, rates and charges for Special Construction in Section 10 are in addition to the regulations, rates and charges specified in this section.

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3. ORDERING OPTIONS FOR FIA (Cont'd)

3.2 Access Service Request

An ASR is used by the Telephone Company to provide FIA to a customer as follows:

- Switched Access in Section 4,
- Special Access in Section 5, and
- Other Services in other sections of the tariff.

3.2.1 (Reserved for Future Use)

3.2.2 ASR Modifications

The customer may request a modification of its ASR 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 ASR 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 ASR modification, the Telephone Company will schedule a new service date. All charges for ASR modifications will apply on a per occurrence basis.

Any increase in the number of Switched Access lines for FGA or BSA-A trunks or BHMCs for FGB, FGC, FGD, BSA-B, BSA-C, BSA-D and SAC Access Service, or Special Access circuits will require the issuance of a new ASR for the incremental capacity.

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3. ORDERING OPTIONS FOR FIA (Cont'd)

3.2 Access Service Request (Cont'd)

3.2.2 ASR Modifications (Cont'd)

(A) Service Date Change Charge

ASR service dates may be changed, but the new service date may not exceed the original service date by more than 60 days. If the requested service date is more than 60 days after the original service date, the order will be cancelled and reissued with appropriate charges applied.

With the arrangement of the Telephone Company, a new service date may be established that is prior to the original service date. If the service date is changed to an earlier date, the provisions in (D) following will apply in addition to the Service Date Change Charge.

A Service Date Change Charge will apply for each service date change after the Plant Test Date (PTD) of the order. The applicable charge is:

Rate
$25.88

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3. ORDERING OPTIONS FOR FIA (Cont'd)

3.2 Access Service Request (Cont'd)

3.2.2 ASR Modifications (Cont'd)

(B) Partial Cancellation Charge

Any decrease in the number of Switched Access lines for FGA or BSA-A; trunks or BHMCs for FGB, FGC, FGD, BSA-B, BSA-C, BSA-D and SAC Access Service or Special Access circuits will be treated as a partial cancellation.

A customer may cancel any number of Special Access Circuits.

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

(1) Except as specified in 3.2.6(D), when an ASR for Switched Access Service is partially cancelled on or after the Scheduled Issue Date, the associated Initial Ordering Charge - Switched Access will apply, plus the Subsequent Ordering charge - Switched Access as in 4.5.2(A)(2) will also apply for the reissuance of a supplement order.

(2) When an ASR for Special Access is partially cancelled on or after the Scheduled Issue Date and before the Plant Test Date, the associated Initial Ordering Charge - Special Access will apply, plus the Subsequent Ordering Charge - Special Access as in 5.6.1(C) will also apply for the reissuance of a supplement order.

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3. ORDERING OPTIONS FOR FIA (Cont'd)

3.2 Access Service Request (Cont'd)

3.2.2 ASR Modifications (Cont'd)

(B) (Cont'd)

(2) (Cont'd)

When an ASR for Special Access Service is partially cancelled on or after the Plant Test Date, the Initial and Subsequent Ordering Charges as set forth preceding will apply, plus the Installation Charge(s) associated with the items cancelled.

(C) Design Change Charge

The customer may request a design change to a pending ASR for both Switched and Special Access or request a change to an existing Switched Access Service. A Design Change is a change which requires engineering review. The regulations, rates and charges for a design change are as in 4.5.2(A)(2)(b) for Switched Access Service, and 5.6.1(C)(3) for Special Access Service, and are in addition to the regulations, rates and charges specified in this section.

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3. ORDERING OPTIONS FOR FIA (Cont'd)

3.2 Access Service Request (Cont'd)

3.2.2 ASR Modifications (Cont'd)

(D) Expedited Order Charge (N)

(1) When placing an Access Order, a Customer may request a service date that is prior to the Telephone Company's published service date interval. A customer may also request an earlier service date on a pending Access Order. If the Telephone Company determines that service can be provided on the requested date, an Expedited Order Charge will apply.

A customer may request a change of end user premises within the same serving wire center. When this occurs, the service date is changed to reflect the standard service date interval. If the customer requests an earlier service date, an Expedited Order Change will apply.

When an expedited service date is missed, the Expedited Order Charge will apply unless the missed service date is caused by the Telephone Company.

The Expedited Order Charge will apply to all services found in the tariff unless otherwise specified. This charge will be applied when the customer requests a service date that is prior to the standard service date interval on an Access Order, or when a customer requests an earlier service date on a pending Access Order. The Expedited Order Charge, as set forth below, will apply on a per order basis for each day the service date is advanced.

Expedited Order Charge
per order, per day advanced $300.00 (N)

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ACCESS SERVICES

3. ORDERING OPTIONS FOR FIA (Cont'd)

3.2 Access Service Request (Cont'd)

3.2.2 ASR Modifications (Cont'd)

(D) Expedited Order Charge

(2) If the Telephone Company determines that provision of service on the expedited date will require additional work efforts outside of normal scheduled business hours, the customer will be notified and will be provided with an estimate of the additional charges involved. The charges will be based on the Additional Labor Rates set forth in Section 6.2 following and are in addition to the Expedited Order Charge calculated in (1) preceding. Actual charges assessed will not exceed the estimate by more than ten percent (10%).

When the request for expediting occurs subsequent to the issuance of the Access Order, a Service Date Change Charge as set forth is (A) proceeding also applies.

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3. ORDERING OPTIONS FOR FIA (Cont'd)

3.2 Access Service Request (Cont'd)

3.2.3 Specific Circuit Path Selection (M)

(A) For FIA Orders, a specific transmission path or circuit is provided for under Special Facilities Routing of FIA as in Section 9.

3.2.4 Minimum Period

(A) Except as in (C) and (D) following, the minimum period for which Special Access and End User FIA are provided and for which charges are applicable, is one month.

(B) The minimum period for Miscellaneous Services is in Section 6.

(C) (Reserved for Future Use) (M)

(D) The Minimum Period for part-time television and program audio Special Access is the minimum period for which rates are established in 5.7 and 5.8. The Special Access will be provided only for the duration of the event specified on the order (e.g., one-half hour, two hours, five hours, etc.).

(E) The Minimum Period for FIA provided under Special Construction provisions and for which charges are applicable is in Section 10.

(F) Except for FGD or BSA-D ordered prior to the conversion of an end office to equal access, the Minimum Period for Switched Access is three months.

(G) For FGD or BSA-D ordered prior to the conversion of an end office to equal access there is no Minimum Period. However, discontinuance charges will apply as in 3.2.7.

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3. ORDERING OPTIONS FOR FIA (Cont'd)

3.2 Access Service Request (Cont'd)

3.2.5 Minimum Period Charges

When FIA are discontinued prior to the expiration of the Minimum Period, charges are applicable for the remaining months and/or fraction thereof of the Minimum Period.

The Minimum Period Charge will be determined as follows:

(A) For monthly rated nonpremium FGA, FGB, BSA-A and BSA-B, the charge for each remaining month and fraction thereof is equal to the sum of the monthly rate elements as in 4.6.3.

(B) For Special Access, the charge is the applicable monthly rate for the service(s) as in 5.7.

(C) For End User Common Lines, the charge is the applicable monthly rate for the FIA as in 13.11.

(D) For FGD or BSA-D ordered after conversion of an end office to equal access, the charge for each remaining month and/or fraction thereof will be equal to the applicable Minimum Monthly Charge as in 4.5.2(C) for the FIA discontinued.

(E) For part-time or occasional program audio Special Access services, the rates as in 5.6.1, 5.7, and 5.8 will apply.

(F) For FGA or BSA-A FX/ONAL type services, the charge for each remaining month and/or fraction thereof will be the sum of the rate elements as in 4.6.3 multiplied by assumed access minutes as in 4.5.2(O).

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3. ORDERING OPTIONS FOR FIA (Cont'd)

3.2 Access Service Request (Cont'd)

3.2.6 Cancellation of an ASR

(A) A customer may cancel ordered FIA 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 ASR is to be cancelled.

If a customer is unable to accept service within 60 days of the original service date, the ASR shall be considered cancelled and charges as in (C) and (D) following will apply. In such instances, the cancellation date shall be the 61st day beyond the original service date of the ASR.

(B) ASRs 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 complete entering the initial order details into its order distribution system. For all ASRs this is known as the Scheduled Issue Date.

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3. ORDERING OPTIONS FOR FIA (Cont'd)

3.2 Access Service Request (Cont'd)

3.2.6 Cancellation of an ASR (Cont'd)

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

(1) Except as specified in (D) following, when an ASR for Switched Access Service is cancelled on or after the Scheduled Issue Date, all nonrecurring charges associated with the Switched Access ASR will apply as in 4.5.2(A)(2)(a).

(2) When an ASR for Special Access Service is cancelled on or after the Scheduled Issue Date and before the Plant Test Date, the appropriate Service Ordering Charge will apply as in 5.6.1(C).

When an ASR for Special Access Service is cancelled on or after the Plant Test Date, the Initial or Subsequent Ordering Charge and Service Installation Charges will apply as in 5.6.1(C), plus any Installation Charges associated with supplemental features or multiplexing arrangements.

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3. ORDERING OPTIONS FOR FIA (Cont'd)

3.2 Access Service Request (Cont'd)

3.2.6 Cancellation of an ASR (Cont'd)

(D) For cancellation of an ASR, for Switched Access FGD or BSA-D before an end office converts to equal access, cancellation charges as set forth following will apply if the Telephone Company is notified of the cancellation within a period of 12 months prior to the scheduled service date. Cancellation charges apply to each trunk cancelled.*

When, due to a shortage of FGD or BSA-D facilities an allocation of FGD or BSA-D facilities is made, cancellation charges apply only to circuits allocated to the customer.

Cancellation charges will accrue to the maximum in equal monthly increments (i.e., Maximum Cancellation Charge divided by 12) beginning twelve months before an end office converts

to equal access. Maximum cancellation charges are listed in 3.2.8. The charge applied will be the accrued charge in the month during which notice of cancellation is received by the Telephone Company.

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3. ORDERING OPTIONS FOR FIA (Cont'd)

3.2 Access Service Request (Cont'd)

3.2.7 Discontinuance of Switched Access FGD or BSA-D

A Discontinuance Charge applies if a customer discontinues FGD or BSA-D service provided at the conversion of an end office to equal access. The Discontinuance Charge applies to each FGD or BSA-D trunk discontinued.* For purposes of calculating the Discontinuance Charge the Maximum Discontinuance Charge will be amortized in equal monthly increments (i.e., Maximum Discontinuance Charge divided by 12) over a 12 month period beginning on the date the end office converts to equal access. The Maximum Discontinuance Charge is derived by subtracting the Installation Charge in 4.6.1(A) from the FGD or BSA-D Maximum Cancellation Charge in 3.2.8. The charge assessed will be the unamortized portion of the Maximum Discontinuance Charge.

3.2.8 FGD or BSA-D Maximum Per Trunk Cancellation Charge

Cancellation Charge
$449.44

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* FGD or BSA-D capacity is ordered (and canceled) in BHMC. Canceled BHMC will be converted to trunks as set forth in reference document the Telephone Company Service Corporation Telephone Operations Traffic Grade of Service Standards.

3. ORDERING OPTIONS FOR FIA (Cont'd)

3.3 Access Service Requests For Services Provided By More Than One Telephone Company

(A) Switched or Special Access services provided by more than one telephone company are services where one end of the Switched Transport or Special Transport facility is in the operating territory of one telephone company and the other end of the facility is in the operating territory of a different telephone company.

The ordering procedure for this service is dependent upon the billing arrangement, as set forth in 2.7 preceding, to be used by the telephone companies involved in jointly provided FIA Service(s). The telephone company will notify the IC, identifying which ordering procedures will apply.

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3. ORDERING OPTIONS FOR FIA (Cont'd)

3.3 Access Service Requests For Services Provided By More Than One Telephone Company (Cont'd)

(A) (Cont'd)

(1) Single Company Billing

The telephone company receiving the ASR from the customer will arrange to provide the service and bill the customer as in 2.7(A)(1). The customer will place the ASR with the telephone company as follows:

(a) For Switched Access services the customer will place the ASR with the telephone company in whose territory the following is located:

- FGA or BSA-A - dial tone office

When the preceding is not in the same telephone company's territory as the customer designated location (CDL), the customer must supply a copy of the order to the telephone company in whose territory the CDL is located.

(b) For Special Access services without the use of a Hub Wire Center, the customer will place the order with the telephone company in whose territory the CDL is located.

(c) For Special Access services with a Hub Wire Center, the customer will place the order with the telephone company in whose territory the Hub Wire Center is located.

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3. ORDERING OPTIONS FOR FIA (Cont'd)

3.3 Access Service Requests For Services Provided By More Than One Telephone Company (Cont'd)

(A) (Cont'd)

(2) Multiple Company Billing

Each telephone company will provide its portion of the Switched Transport or Special Transport service within its operating territory to the multiple company facility IP with the other telephone company(s). The IP or BP will be determined by the telephone companies involved in providing the FIA service and listed in the Exchange Carrier Association's Tariff FCC No. 4. Each telephone company will bill the customer for its portion of the service as in 2.7(A)(2). All other appropriate recurring and nonrecurring charges in each telephone company's tariff are applicable.

(a) For FGA, FGB, BSA-A and BSA-B Switched Access services, the customer must place an ASR with the telephone company as specified in 3.1.1.

(b) For FGC, FGD, BSA-C and BSA-D Switched Access services, the customer must place an ASR with the telephone company in whose territory the end office is located.

(c) When WATS is ordered where the WATS screening office and the end user's serving wire center are not coterminous, the telephone company in whose territory the end user's serving wire center is located must receive the ASR from the customer. In addition, the telephone company in whose territory the WATS screening office is located must also receive a copy of the ASR from the customer.

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3. ORDERING OPTIONS FOR FIA (Cont'd)

3.3 Access Service Requests For Services Provided By More Than One Telephone Company (Cont'd)

(A) (Cont'd)

(2) (Cont'd)

(d) For Special Access service without the use of a Hub Wire Center, the customer will place the order with each telephone company where a CDL is located.

(e) For Special Access service with a Hub Wire Center, the customer will place the ASR with the telephone company in whose territory the Hub Wire Center is located.

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3. ORDERING OPTIONS FOR FIA (Cont'd)

3.3 Access Service Requests For Services Provided By More Than One Telephone Company (Cont'd)

For the service(s) ordered as set forth preceding, the customer must also supply a copy of the ASR to any other telephone company(s) involved in providing the service.

3.4 (Reserved for Future Use)

3.5 Switched Access Minimum Capacity Requirements

3.5.1 When Switched Access is ordered it will be provided subject to the minimum capacity provisions set forth in 3.1.1 preceding and 3.5.2 through 3.5.6 following.

3.5.2 There is no minimum capacity for Interface Arrangements 1 and 2 as in 4.2.3(B). However, for Interface Arrangements 3 through 10 the minimum capacity is as in 3.5.5 for which charges are applicable as in 3.5.6.

3.5.3 (Reserved for Future Use)

3.5.4 For the purpose of administering the minimum capacity provisions, ASRs for Interface Arrangements for different Switched Access groups may be grouped together if the facilities provided for all the connections are the same and terminate in the same facilities terminal in the same Telephone Company access tandem or end office.

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3. ORDERING OPTIONS FOR FIA (Cont'd)

3.5 Switched Access Minimum Capacity Requirements (Cont'd)

3.5.5 The following table provides the total capacity of the interface and the thresholds for minimum order requirements. When the customer requests one of the following it is required to order sufficient lines for FGA or BSA-A, and sufficient trunks or BHMCs for FGB, FBC, FGD, BSA-B, BSA-C, BSA-D and SAC Access Services to satisfy the minimum capacity. When the customer requests more than one of the same type interface arrangement of the types listed below, it is required to meet the minimum capacity of each individual interface.

Interface Type	Interface Name	Total Capacity (circuits)	Minimum Capacity (circuits)
Analog	Group	12	9
Analog	Supergroup	60	42
Analog	Mastergroup	600	420
Digital	DS1	24	17
Digital	DS1C	48	34
Digital	DS3	672	471
Digital	FT3C	1344	941

3.5.6 When Switched Access is provided via an interface with a minimum requirement is disconnected, and the disconnect causes the in-service capacity to fall below the minimum requirement, the minimum monthly charges will be assessed based on the minimum capacity requirements.

Example:

A customer requests Switched Access capacity to be provided via a DS1 interface. Since the minimum capacity of the DS1 interface is 17 circuits, minimum monthly charges (MMCs) as in 4.5.2 will apply to no less than 17 circuits. If sufficient capacity is not retained to justify the use of 17 circuits, actual Switched Access billing will be 17 times the MMC or actual usage charges, whichever is greater.

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4. SWITCHED ACCESS

4.1 General

The Telephone Company adopts, for intrastate switched access services, Section 6 and the associated rates in Section 20 Frontier Telephone Companies Tariff FCC No. 1 (the Telephone Company's interstate access tariff) effective as of July 1, 2012, and any successive issues thereto. This tariff was filed with the FCC on behalf of the Telephone Company and affiliated companies.

This tariff includes all the rules, regulations, rates and charges under which interstate access services will be offered. Exceptions to this adoption of the tariff schedules, if any, are as follows:

4.2 Language Exceptions:

(None)

4.3 Rate Exceptions:

	Originating	Terminating*	
Local Switching Service			(T)
Local Switching (LS1) Prem Terminating	$0.02796975	*	
Local Switching (LS2) Prem Terminating	$0.02796975	*	
Transitional (LS) Nprem Terminating	$0.02097560	*	
ANI Per Attempt	$0.00015000		
Network Block – per Blocked Call	$0.024		
Information Surcharge	$0	*	
Local Switching Trunk			
Shared Trunk Port Charge – MOU	$0.00167940	*	
Multiplexers (Trunk side of EO)	$0	*	
Interconnection Category			
Interconnection Charge, Terminating Premium	$0.00715000	*	
Tandem Switched Transport Service			
Tandem Switched Transport Termination	$0.00782640	*	
Tandem Switched Transport Facility	$0.00008020	*	
Shared Multiplexing, per Tandem MOU	$0.00004190	*	(T)
Database Access			
800 DB Query, Basic	$0.01000000		
800 DB Query, Basic	$0.01000000		

*See Frontier Telephone Companies Tariff FCC No. 1 for Terminating rates. (T)

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4. SWITCHED ACCESS

4.1 General

The Telephone Company adopts, for intrastate switched access services, Section 6 and the associated rates in Section 20 Frontier Telephone Companies Tariff FCC No. 1 (the Telephone Company's interstate access tariff) effective as of July 1, 2012, and any successive issues thereto. This tariff was filed with the FCC on behalf of the Telephone Company and affiliated companies.

This tariff includes all the rules, regulations, rates and charges under which interstate access services will be offered. Exceptions to this adoption of the tariff schedules, if any, are as follows:

4.2 Language Exceptions:

(None)

4.3 Rate Exceptions:

	Originating	Terminating*	
Local Switching Service			(T)
Local Switching (LS1) Prem – Non 800/888	$0.02796975	*	(C)
Local Switching (LS2) Prem – Non 800/888	$0.02796975	*	(C)
Transitional (LS) Nprem – Non 800/888	$0.02097560	*	(C)
ANI Per Attempt	$0.00015000		
Network Block – per Blocked Call	$0.024		
Information Surcharge – Non 800/888	$0	*	(C)
Local Switching Trunk			(T)
Shared Trunk Port Charge – MOU – Non 800/888	$0.00167940	*	(C)
Multiplexers (Trunk side of EO)	$0	*	
Interconnection Category			(T)
Interconnection Charge, Premium – Non 800/888	$0.00715000	*	(C)
Tandem Switched Transport Service			(T)
Tandem Switched Transport Termination – Non 800/888	$0.00782640	*	(C)
Tandem Switched Transport Facility – Non 800/888	$0.00008020	*	(C)
Shared Multiplexing, per Tandem MOU – Non 800/888	$0.00004190	*	(C)

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*See Frontier Telephone Companies Tariff FCC No. 1 for rates. (C)

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Vice-President Regulatory & Government Affairs
Citizens Communications Company
180 S. Clinton Avenue
Rochester, NY 14646

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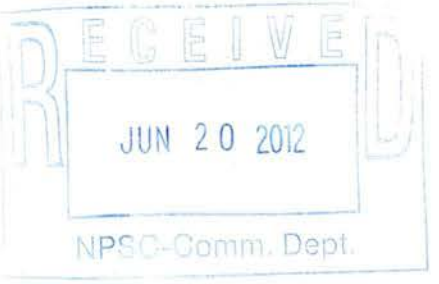

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4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.3 End Office Services (Cont'd)

(J) Uniform Call Distribution – BSE

	Nonpremium Monthly Rate Per Line Equipped (CF3UT)	Premium Monthly Rate Per Line Equipped (CF3UD)
	$ 3.83	$ 5.11

(K) (Reserved for Future Use)

(L) Remote Call Forwarding – BSE

	Nonpremium Monthly Rate Per Line	Premium Monthly Rate Per Line
(USOC)	(FOMNX)	(FOMPX)
	$ 12.00	$16.00

(M) Direct Inward Dialing (DID) – BSE

	Monthly Rate Per DID Term	Monthly Rate Per Block of 20 Numbers
(USOC)	(NDT)	(ND4)
	$ 14.70	$ 40.70

(N) Billed Number Screening (BNS) – BSE

	Monthly Per Lines Screened
(USOC)	(RTVXQ)
	$ 2.00

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4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.3 End Office Services (Cont'd)

(O) Shared Trunk Port

Per Access Minute
$ .0016794

4.6.4 FGA or BSA-A Usage Sensitive Credit Allowance

Usage Sensitive Service Credit Allowance Credit Per Access Minute
$ .0003454

4.6.5 White Pages Surcharge

Non-Premium Rates White Pages Surcharge Usage Rated Per Access Minute	Premium Rates White Pages Surcharge Usage Rated Per Access Minute
$ .0000000	$ .0000000

4.6.6 (Reserved For Future Use)*

* Equal Access Cost Recovery Charge eliminated March 31, 1998.

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ACCESS SERVICE

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.7 Carrier Identification Parameter (CIP)

Non-recurring Charge-per CIC Per End Office Direct Trunk Group	Non-Recurring Charge Per CIC Per Access Tandem Direct Trunk Group	Monthly Recurring Charges Per Trunk
$ 80.00	$1,120.00	$ .46

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5. SPECIAL ACCESS

5.1 General

Special Access provides a transmission path to connect CDLs* within a LATA for Intrastate Telecommunication purposes. Special Access provided to a customer may be connected directly to customer facilities and/or may be connected to access facilities of another telephone company or companies in the joint provision of Special Access.

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., Voiceband, Wideband Data Service) provided are described in 5.2.

5.1.1 Rate Elements

There are five rate elements which apply to Special Access. They are:

Special Transport
Special Transport Termination
Special Access Line
Supplemental Features
Multiplexing Arrangements

The following is a list of the Telephone Company's Open Network Architecture (ONA) Special Access Basic Service Elements (BSEs) which provide a cross-reference to the generic ONA product names.

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5. SPECIAL ACCESS (Cont'd)

5.1 General (Cont'd)

5.1.1 Rate Elements (Cont'd)

Generic Name	The Telephone Company Name
Access to Clear Channel Transmission	Clear Channel Capability
Automatic Protection Switching	Automatic Protection Switching
Bridging	Bridging
Conditioning	Conditioning
Data Over Voice (DOV) Service	DOV Connect
Secondary Channel Capability	Digital Data Service - Secondary Channel
Multiplexing - Digital 2000	Multiplexing Arrangements

(A) (Reserved for Future Use)

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

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5. SPECIAL ACCESS (Cont'd)

5.1 General (Cont'd)

5.1.1 Rate Elements (Cont'd)

(B) 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 customer designated locations and a Telephone Company Hub Wire Center or between two Telephone Company Hub Wire Centers. This rate element is distance sensitive and varies with type of capability (i.e., analog or digital) and type of facility (e.g., Voiceband, Wideband Data Service, etc.). Special Transport may be provided by more than one telephone company. The method of calculating applicable miles for rating purposes for Special Access is specified in 2.7.

(2) Special Transport may be used in conjunction with Switched Access for the purpose of provisioning Originating Only, Terminating Only or Combined Originating/Terminating Access as in 4.2.5(V). Special Transport employed in this manner provides the FIA for the closed-end of the services between the wire center serving the end user's CDL where WATS Serving Office functions are not available and the WATS Serving Office.

When the necessary WATS Serving Office functions are not provided at the wire center which serves the end user's CDL, the Telephone Company will designate the wire center where the WATS Serving Office functions are available.

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5. SPECIAL ACCESS (Cont'd)

5.1 General (Cont'd)

5.1.1 Rate Elements (Cont'd)

(C) Special Access Line

(1) A Special Access Line provides the transmission facilities between a CDL and the serving wire center of that location. This rate element varies by type of capability (i.e., analog or digital) and type of facility (e.g., Voiceband, Wideband Data Service, etc.).

The selection of a Terminating Option as defined in 5.3, 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.

One Special Access Line charge applies per CDL at which the facility is terminated. This charge will apply even if the CDL and the serving wire center are co-located in a Telephone Company building. The Special Access Line charge used with a Switching Interface, as in (2) below, is applicable only for the transmission facilities between the end user's CDL and the serving wire center of that location.

For the avoidance of any doubt when a customer orders Special Access Service to a Telephone Company Switch, that switch is a customer designated premise (CDP) where the Special Access terminates. (N) (N)

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5. SPECIAL ACCESS (Cont'd)

5.1 General (Cont'd)

5.1.1 Rate Elements (Cont'd)

(C) Special Access Line (Cont'd)

(2) A Special Access Line may be provided in conjunction with FGA, FGB, FGC, FGD, BSA-A, BSA-B, BSA-C and BSA-D Switched Access for the purpose of Originating Only, Terminating Only, or Combined Originating and Terminating Access as in 4.2.1. A Switching Interface is required for the provision of this service as in 4.2.5(V). The Special Access Line provides the closed-end of the dedicated facilities between an end user's CDL and its serving wire center. This serving wire center may or may not be a WATS Serving Office. In those instances when the serving wire center is not a WATS Serving Office, Special Transport is applicable as in 5.1.1(B) to the nearest Telephone Company WATS Serving Office.

The Switched Access used in conjunction with the Special Access Line provides various standard switching functionalities and optional arrangements as in 4.2.5(V).

All Special Access Lines used with a Switching Interface are:

- provided with dial pulse address signaling or Dual Tone Multifrequency (DTMF) address signaling and either loop start or ground start supervisory signaling. The type of signaling is the option of the customer.

- available as either a two-wire or four-wire Voiceband Special Access Service (i.e., 300-3000 Hz bandwidth). Each transmission path is provided with Standard Transmission Specifications as described in Section 7000 of the Telephone Technical Interface Reference Manual.

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5. SPECIAL ACCESS (Cont'd)

5.1 General (Cont'd)

5.1.1 Rate Elements (Cont'd)

(C) Special Access Line (Cont'd)

(2) (Cont'd)

All rules and regulations pertaining to Special Access are applicable to Special Access Lines used with a Switching Interface. Rates and Charges for these services are found in 5.7.5 for two-wire and four-wire Voiceband Special Access Lines.

(D) (Reserved for Future Use)

(E) Supplemental Features

Supplemental Features may be added to a Special Access 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 customer designated location, it will be provided for as a single rate element.

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5. SPECIAL ACCESS (Cont'd)

5.1 General (Cont'd)

5.1.1 Rate Elements (Cont'd)

(E) Supplemental Features (Cont'd)

Examples of Supplemental Features that are available include, but are not limited to, bridging and conditioning. Descriptions for each of the available Supplemental Features are provided in 5.4 following, and rates are set forth in 5.7 following.

(F) 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. Different types of multiplexing will be available at each Hub Wire Center. Refer to Section 5.6.6 for a description of a Hub Wire Center.

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5. SPECIAL ACCESS (Cont'd)

5.1 General (Cont'd)

5.1.1 Rate Elements (Cont'd)

(G) Special Transport Termination

(1) DS1 Service

The Special Transport Termination rate element applies to DS1 offerings and is in addition to the Special Transport rate element. Special Transport Termination provides the equipment and arrangements necessary to terminate the Special Transport facility at a serving wire center. One special Transport Termination charge applies for the termination of each end of a Special Transport facility for DS1 and DS3 Services.

(2) Fractional T1 Service (FT1)

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, 6) as the associated FT1 SALs.

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5. SPECIAL ACCESS (Cont'd)

5.1 General (Cont'd)

5.1.2 Special Access Configurations

There are two types of facility configurations over which Special Access are provided (i.e., two-point and multi-point).

(A) Two-point

A two-point configuration is a circuit which is provided to connect two customer designated locations.

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

(B) Multi-point

A multi-point configuration is a circuit that is provided to connect three or more customer designated locations.

Only certain types of Special Access are provided as multi-point configurations. These are so designated in 5.2 following. 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 a loop transfer arrangement are located.

Multi-point is provided and priced in the following manner:

(1) Special Access Line per customer designated location to their respective serving wire centers.

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5. SPECIAL ACCESS (Cont'd)

5.1 General (Cont'd)

5.1.2 Special Access Configurations (Cont'd)

(B) Multi-point (Cont'd)

(2) Special Transport between the serving wire centers associated with the customer designated locations and the Hub Wire Center.

(3) Special Transport between Hub Wire Centers.

(4) Supplemental Features: Bridging equipment charges for each bridging location.

(5) (Reserved for Future Use)

(6) (Reserved for Future Use)

5.1.3 Special Facilities Routing

A customer may request that the Special Access used be specially routed. The regulations, rates and charges for Special Facilities Routing are as set forth in 9 following.

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5. SPECIAL ACCESS (Cont'd)

5.1 General (Cont'd)

5.1.4 Design Layout Report

The Telephone Company will provide to the customer the makeup of the Special Access provided under this tariff to aid the customer in designing its overall service. This information will be provided in the form of a Design Layout Report and will include the following:

Cable gauge, length and loading.
Makeup (e.g., T-Carrier, two-wire, four-wire, etc.)
Specific pair of circuit assignment at the customer designated location.

The Design Layout Report will be provided to the customer within fourteen working days from the Service Order Date. Updated reports will be reissued within fourteen working days whenever facilities provided to the customer are materially changed. Both the initial and updated Design Layout Reports will be provided to the customer at no charge.

5.1.5 Acceptance Testing

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

(A) For Voiceband services, acceptance testing will include tests for loss, attenuation distortion, DC continuity, operational signaling C-notched noise, and C-message noise when these parameters are applicable and specified in the order for service.

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5. SPECIAL ACCESS (Cont'd)

5.1 General (Cont'd)

5.1.5 Acceptance Testing (Cont'd)

(B) For other analog services (i.e., Program Audio, Video, Wideband Analog and Wideband Data Services) and for digital services (i.e., Digital Data Services and High Capacity Digital Services), acceptance testing will include tests for the parameters applicable to the service as set forth in Section 7000 of the Telephone Company 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 6.6(B) following will apply. All test results will be made available to the customer upon request.

If acceptance tests are not started within 30 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 6.2 following, unless the delay is caused by the Telephone Company.

5.1.6 Ordering Conditions

Ordering Conditions are set forth in detail in Section 3 preceding.

5.2 Description of Special Access

The Special Access offerings described below are comprised of a combination of the rate elements described in Section 5.1.1 preceding. The descriptions of each Special Access following 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 may not harm the network. Further, the Telephone Company does not guarantee transmission performance beyond the parameters identified in the descriptions for each of the respective Special Access types.

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5. SPECIAL ACCESS (Cont'd)

5.2 Description of Special Access (Cont'd)

The transmission performance characteristics of each Special Access offering are stated in Section 7000 of the Telephone Company 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 Telephone Company Technical Interface Reference Manual will be maintained at the performance level specified in the manual.

5.2.1 Voiceband

(A) Two-Wire Voiceband Facility

These facilities are unconditioned and are capable of transmitting voice or data signals within the frequency spectrum of approximately 200 Hz to 3500 Hz. These facilities are furnished on a two-point or multi-point basis and may be two-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 insure 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 Voiceband Facility

These facilities are unconditioned and are capable of transmitting voice or data signals within the frequency spectrum of 300 Hz to 3000 Hz. The facilities are furnished on a two-point or multi-point 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.

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5. SPECIAL ACCESS (Cont'd)

5.2 Description of Special Access (Cont'd)

5.2.2 (Reserved for Future Use)

5.2.3 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 conjunction 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.

(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.

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5. SPECIAL ACCESS (Cont'd)

5.2 Description of Special Access (Cont'd)

5.2.4 Video Band

These facilities are arranged and provided for the transmission of television which is to be broadcast or which is to be used in connection with viewing or recording. Facilities to be used in connection with broadcast video services must be ordered from the appropriate interstate tariff.

5.2.5 Wideband Analog

These facilities are two point and are furnished between customer designated locations or between a customer designated location and a Telephone Company designated Hub Wire Center where multiplexing is offered. The three types of wideband analog facilities are:

(A) Group band facilities with a bandwidth from 60 kHz to 108 kHz for the transmission of a 12 circuit frequency division multiplexer (FDM) group.

(B) Supergroup band facilities with a bandwidth from 312 kHz to 552 kHz for the transmission of a 60 circuit FDM supergroup.

(C) Mastergroup band facilities with a bandwidth from 564 kHz to 3084 kHz for the transmission of a 600 circuit FDM mastergroup.

5.2.6 Wideband Data Service

These analog facilities are arranged and furnished for two-point simultaneous two-way transmission of high speed data between two customer designated locations. These facilities are normally utilized for the following data speeds: 19.2 kbps, 50 kbps, 230.4 kbps and 56 kbps.

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5. SPECIAL ACCESS (Cont'd)

5.2 Description of Special Access (Cont'd)

5.2.7 High Capacity Digital

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

(A) DS1 facilities provide for the transmission of isochronous serial data at a rate of 1.544 Mbps.

(B) DS1C facilities provide for the transmission of isochronous serial data at a rate of 3.152 Mbps.

(C) 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. When N x 64 FT1 is ordered in conjunction with DS1 service for multiplexing purposes, the DS1 must have Clear Channel Capability as described in 5.8.1, 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.

(D) DS3 facilities provide for the transmission of isochronous serial data at a rate of 44.736 Mbps.

(E) DS3C facilities provide for the transmission of isochronous serial data at a rate of 89.472 Mbps.

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5. SPECIAL ACCESS (Cont'd)

5.2 Description of Special Access (Cont'd)

5.2.8 Digital Data Service

Facilities for Digital Data Service are furnished for the simultaneous two-way transmission of synchronous data and are available at transmission speeds of : 2.4 Kbps, 4.8 Kbps, 19.2 Kbps, 56 Kbps or 64 Kbps. Digital Data facilities may be provided on a two point or multi-point basis.

5.3 Description of Terminating Options

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 Telephone Company 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 nonchargeable.

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5. SPECIAL ACCESS (Cont'd)

5.3 Description of Terminating Options (Cont'd)

5.3.1 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 or four-wire voice band network facilities suitable for voice grade to narrowband multiplexing.

(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 arrangement does not guarantee dc current operation over Special Transport facilities.

(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 grade facilities.

5.3.2 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.

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5. SPECIAL ACCESS (Cont'd)

5.3 Description of Terminating Option (Cont'd)

5.3.2 Voice Grade (Cont'd)

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

This option provides a four-wire interface to the 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 the closed end (station end) of a facility on a telephone, key system, PBX, ACD, or similar equipment. This station connecting option is required to terminate facilities used to furnish foreign exchange 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 ringdown signaling. Special Access Line and Special Transport facilities used with this option may require signaling capabilities as described in 5.4.4 following.

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5. SPECIAL ACCESS (Cont'd)

5.3 Description of Terminating Option (Cont'd)

5.3.2 Voice Grade (Cont'd)

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

A terminating option similar to (D) preceding used to terminate four-wire foreign exchange service. The option provides a four-wire transmission interface to the customer terminal equipment. Normal loop signaling functions are provided with a simplex option on the four-wire transmission facility. Special Access Line and Special Transport facilities used with this option may require signaling capabilities as described in 5.4.4 following.

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

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 customer designated location. Type 2 is an option with no range extension equipment. Special Access Line and Special Transport facilities used with this option may require signaling capabilities as described in 5.4.4 following.

(G) Dial Repeating Tie Trunk Termination

Two network terminating options are provided for terminating 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 or end user with a two-wire transmission interface with either a two-wire or four-wire E&M type signaling interface at the customer's option. Transmission and signaling interface options available are described in Part 68 of the FCC Rules and Regulations.

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5. SPECIAL ACCESS (Cont'd)

5.3 Description of Terminating Options (Cont'd)

5.3.2 Voice Grade (Cont'd)

(G) Dial Repeating Tie Trunk Termination (Cont'd)

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

Special Access Line and Special Transport facilities used with this option may require signaling capabilities as described in 5.4.4 following.

5.3.3 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.

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5. SPECIAL ACCESS (Cont'd)

5.3 Description of Terminating Options (Cont'd)

5.3.4 Video

Provides a Videoband Special Access Line interface for use in providing the one way transmission of video signals.

Standard Videoband service is provided via one signal (combined video and audio). This signal is in the 30 hz to 6.6 MHz frequency range. It includes a one-way diplexed transmission of standard 525 lines/60 fields monochrome or NTSC color video signal, and one associated 15 KHz audio signal.

As an option, the customer may select to receive Videoband service via two signals (one video and one audio). Under this option, the signal received will be in the 30 Hz to 4.5 MHz frequency range and the audio signals will be in the 50 Hz to 15000 Hz frequency range.

5.3.5 Wideband Data Service

(A) Provides a Wideband Data Service Special Access interface for use in providing two-way transmission of sequential synchronous or nonsynchronous data at rates of 19.2, 50 or 230.4 Kbps; or sequential synchronous bipolar data signals at a rate of 56 Kbps over four-wire facilities.

(B) (Reserved for Future Use)

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5. SPECIAL ACCESS (Cont'd)

5.3 Description of Terminating Options (Cont'd)

5.3.6 High Capacity Digital

(A) High Capacity Digital DS1

Provides a High Capacity Digital DS1 Special Access interface for use in providing simultaneous two-way transmission of sequential synchronous bipolar data signals at the rate of 1.544 Mbps over four-wire facilities.

(B) High Capacity Digital DS1C

Provides a High Capacity Digital DS1C Special Access interface for use in providing simultaneous two-way transmission of sequential synchronous bipolar data signals at the rate of 3.152 Mbps over four-wire facilities.

(C) 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.

(D) High Capacity Digital DS3

Provides a High Capacity Digital DS3 Special Access interface for use in providing simultaneous two-way transmission of sequential synchronous bipolar data signals at the rate of 44.736 Mbps over four-wire facilities.

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5. SPECIAL ACCESS (Cont'd)

5.3 Description of Terminating Options (Cont'd)

5.3.6 High Capacity Digital (Cont'd)

(E) High Capacity Digital DS3C

Provides a High Capacity Digital FT3C Special Access interface for use in providing simultaneous two-way transmission of sequential synchronous bipolar data signals at the rate of 89.472 Mbps over four-wire facilities.

5.3.7 Digital Data Service

Provides DDS Special Access interface for use in providing simultaneous two-way transmission of sequential bipolar data signals at transmission speeds of 2.4 Kbps, 4.8 Kbps, 9.6 Kbps, 19.2 Kbps, 56 Kbps and 64 Kbps over four-wire facilities.

5.4 Description of Supplemental Features

Supplemental Features are items which can be added to a Special Access 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 may not harm the network. Further, the Telephone Company does not guarantee functional operation of Supplemental Features for these alternate applications.

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5. SPECIAL ACCESS (Cont'd)

5.4 Description of Supplemental Features (Cont'd)

5.4.1 Bridging

(A) Multi-Point Data Bridging

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

(B) Voice Conference Bridging

Bridging arrangement to connect multiple Voiceband 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 each of the above elements must be ordered to provide port capacity.

(D) Program Audio Bridging

An arrangement to provide multiple channel outputs from a single Program Audio or Voiceband facility. This arrangement is provided on a per port basis. This arrangement is usually provided for use within a single serving wire center.

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5. SPECIAL ACCESS (Cont'd)

5.4 Description of Supplemental Features (Cont'd)

5.4.1 Bridging (Cont'd)

(E) Dataphone Select-A-Station Bridging

Provides for the connection of a master station location to a number of remote stations. The capacity of this bridging arrangement will vary from a minimum of 21 stations to a maximum of 84 stations dependent upon the mixture of four-wire and two-wire ports equipped. This arrangement is provided per AT&T Technical Reference PUB 41014. Charges consist of a rate for either common equipment-addressable or common equipment-sequential, plus a rate for each four-wire port connected or for each two-wire port connected.

(F) DDS Bridging

Provides for a multi-junction unit (MJU) arrangement to bridge 2.4 Kbps, 4.8 Kbps, 9.6 Kbps, 19.2 Kbps, 56 Kbps or 64 Kbps DDS facilities. Different speeds cannot be mixed on the same bridge. This function is provided on a per port basis.

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5. SPECIAL ACCESS (Cont'd)

5.4 Description of Supplemental Features (Cont'd)

5.4.2 Conditioning Arrangements - Data

Data conditioning, when utilized in conjunction with effective four-wire Voiceband transmission facilities, improves the characteristics of these facilities. These improved characteristics are not represented to apply to the entire end to end service 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 intermodulation 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 customer designated locations located within the Telephone Company serving area. Conditioning parameters apply to each end of a two-point circuit. For multi-point circuits, the conditioning parameters apply from any customer designated location to either the point of interface at another customer designated location or the first Telephone Company bridging point depending on the circuit configuration. These parameters are not applicable to high capacity or wireband analog 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 or wideband analog point of interface. Type C and Type DA conditioning may be combined on the same circuit.

(A) Type C

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

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5. SPECIAL ACCESS (Cont'd)

5.4 Description of Supplemental Features (Cont'd)

5.4.2 Conditioning Arrangements – Data (Cont'd)

(A) Type C

(1) Attenuation distortion with reference to 1004 Hz.

(2) Envelope delay distortion

(B) Type DA

Type DA conditioning of Voiceband facilities provides a facility with the following transmission parameters enhanced to meet the values specified for Type DA conditioning in Section 7000 of the Telephone Company Technical Interface Reference Manual in addition to the standard parameters for Voiceband circuits.

(1) Signal to C-notched noise ratio.

(2) Nonlinear signal to second order distortion.

(3) Nonlinear signal to third order distortion.

(C) Type C-Improved

Type C-Improved conditioning of Voiceband facilities provides a facility with the following transmission parameters enhanced to meet the values specified for Type C conditioning in Section 7000 of the Telephone Company Technical Interface Reference Manual in addition to the standard parameters for Voiceband circuits.

(1) Improved attenuation distortion with reference to 1004 Hz.

(2) Improved envelope delay distortion.

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5. SPECIAL ACCESS (Cont'd)

5.4 Description of Supplemental Features (Cont'd)

5.4.2 Conditioning Arrangements – Data (Cont'd)

(C) (Cont'd)

The customer may choose to order Improved Attenuation Distortion or Improved Envelope Delay Distortion or both configurations. The rates specified for Type C-Improved conditioning, Section 5.7.5(B), will apply regardless of the configuration specified.

5.4.3 Conditioning - Program Audio

(A) Stereo Conditioning

Selection 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.

(B) Zero Loss

Conditioning of Program Audio facilities to provide zero loss at 1000 Hz test frequency.

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5. SPECIAL ACCESS (Cont'd)

5.4 Description of Supplemental Features (Cont'd)

5.4.4 Signaling Arrangements

Signaling arrangements, when furnished with Voiceband transmission facilities, enable these facilities to accommodate standard telecommunications signaling protocols. Signaling arrangements charges apply whenever Voiceband facilities terminate on Telephone Company provided Central Office switching equipment or on certain Terminating Options as described above.

Signaling arrangements are available with Voiceband transmission facilities to enable transmission of requested signaling formats. Signaling charges will apply for each signaling conversion. On facilities requiring multiple signaling arrangements a corresponding signaling arrangement charge will apply for each conversion. Available signaling arrangements are as listed below:

(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.

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5. SPECIAL ACCESS (Cont'd)

5.4 Description of Supplemental Features (Cont'd)

5.4.4 Signaling Arrangements (Cont'd)

(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 of E&M signaling format to the loop type signaling.

(E) Loop or E&M to PCM Signaling - Conversion of loop or E&M signaling to the digital (PCM) signaling format.

(F) Automatic Ringdown 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.

5.4.5 Echo Control

(A) Echo Suppression

An arrangement provided at the customer's request to attenuate reflected speech energy on a four-wire facility. This conditioning is generally required on circuits with long propagation delay.

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5. SPECIAL ACCESS (Cont'd)

5.4 Description of Supplemental Features (Cont'd)

5.4.5 Echo Control (Cont'd)

(B) Echo Canceller

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.

5.4.6 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 Voiceband 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 5.7.5(B) following. Technical parameters and the applicable Voiceband services are specified in Section 7000 of the Telephone Company Technical Interface Reference Manual.

5.4.7 Voiceband Facility Switching Arrangement

An arrangement to provide switching between two Voiceband Special Access. This arrangement requires a Voiceband control circuit to control the switching arrangement at an additional charge.

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5. SPECIAL ACCESS (Cont'd)

5.4 Description of Supplemental Features (Cont'd)

5.4.8 Automatic Protection Switch

Switching equipment placed at the serving wire center end of a duplicative 1.544 Mbps standby facility to automatically switch to the standby facility in the event the active facility fails. The complete arrangement requires duplicate 1.544 Mbps facilities which are not included as part of this feature, and one protection switch at each end of the duplicate facilities. Where one end of the duplicate facilities terminates at a customer designated location, the customer will be responsible for providing a compatible protection switch at that location.

5.4.9 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 Voiceband 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 5.7.5(B) following, will apply on a per SAL basis. Technical parameters and the applicable Voiceband services are specified in Section 7000 of the Telephone Company Technical Interface Reference Manual.

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5. SPECIAL ACCESS (Cont'd)

5.4 Description of Supplemental Features (Cont'd)

5.4.10 Improved Equal Level Echo Path Loss Option - ELEPL

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 (send) + TLP (receive).

Improved ELEPL rates and charges will apply on a per SAL basis at the rates set forth in 5.7.5(B) following. Technical parameters are specified in Section 7000 of the Telephone Company Technical Interface Reference Manual.

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5. SPECIAL ACCESS (Cont'd)

5.5 Description of Multiplexing Arrangements

(A) Voice to Narrowband

An arrangement that multiplexes up to sixteen 0 to 75 baud narrowband circuits to a single voice grade circuit.

(B) Group to Voice

An arrangement that multiplexes twelve voice grade circuits to a single wideband analog group band circuit.

(C) Supergroup to Group

An arrangement that multiplexes five wideband analog group band circuits to a single wideband analog supergroup band circuit.

(D) Mastergroup to Supergroup

An arrangement that multiplexes ten wideband analog supergroup band circuits to a single wideband analog mastergroup band circuit.

(E) DS1 to Voice

An arrangement that multiplexes twenty-four voice grade circuits to a single DS1 digital circuit at a rate of 1.544 Mbps, or multiplexes a single DS1 digital circuit at a rate of 1.544 Mbps to twenty-four voice grade circuits. If this DS1 terminates in a DDS hub, a channel(s) of the DS1 can be used to provide DDS; however, DDS service stops at the DS1 interface. Multiple channels may be required to provide individual Program Audio Channels.

UP to 16 channels of this DS1 can be used for Direct Digital Service (DDS-like service) with the assurance that circuit performance parameters will be met. If more than 16 channels are used for DDS-like service, the performance parameters for the DS1 and all circuits riding the DS1 will not be guaranteed.

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5. SPECIAL ACCESS (Cont'd)

5.5 Description of Multiplexing Arrangements (Cont'd)

(E) (Cont'd)

FT1 can be used in conjunction with DS1 to Voice Multiplexing in groupings of N x 56 Kbps or N x 64 Kbps where N = 2, 4, or 6, to a single DS1 digital circuit at a rate of 1.544 Mbps.

(F) DS1C to Voice

An arrangement that multiplexes forty-eight voice grade circuits to a single DS1C digital circuit at a rate of 3.152 Mbps.

(G) DS1C to DS1

An arrangement that multiplexes two DS1 digital circuits to a single DS1C digital circuit at a rate of 3.152 Mbps.

(H) (Reserved for Future Use)

(I) DS3 to DS1

An arrangement that multiplexes twenty-eight DS1 digital circuits to a single DS3 digital circuit at a rate of 44.736 Mbps.

(J) DS3C to DS1

An arrangement that multiplexes fifty-six DS1 digital circuits to a single FT3C digital circuit at a rate of 89.472 Mbps.

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5. SPECIAL ACCESS (Cont'd)

5.5 Description of Multiplexing Arrangements (Cont'd)

(K) Group to DS1

An arrangement that multiplexes two wideband analog group band circuits to a single DS1 digital circuit at a rate of 1.544 Mbps.

(L) Digital Data Carrier Multiplexer

An arrangement that multiplexes twenty-three 64 kbps digital circuits for connection to either subrate data multiplexers or 56 kbps office channel units to a single DS1 1.544 Mbps digital circuit. This arrangement consists of a charge for the basic multiplexer and a charge for each 64 kbps digital circuit equipped and connected.

(M) Digital Data Subrate Multiplexer

An arrangement that multiplexes the following quantities of subrate digital data circuits into a single 64 kbps digital circuit: 1) twenty 2.4 kbps, 2) ten 4.8 kbps or 3) five 9.6 kbps.

(N) Digital Data Office Channel Unit

An arrangement that provides a metallic facility interface for the subrate digital data multiplexer for digital rates of 2.4, 4.8, and 9.6 kbps or for the digital data carrier multiplexer at a digital rate of 56 kbps.

Shared use of high capacity facilities is defined in 5.6.7 following. The Multiplexing Arrangements associated with shared use high capacity facilities will be ordered and rated as Special Access Service until such time as the customer chooses to use a portion of the available capacity for providing Switched Access Service. At that time the customer must place an order for Switched Access Service, designating a specific channel assignment for the service. As each individual channel is activated for Switched Access Service, the Special Access rates for Multiplexing Arrangements will be reduced accordingly (e.g., 1/24th for a DS1 to voice arrangement).

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5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations

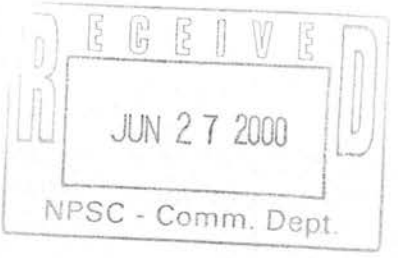
Shared use of high capacity facilities is defined in 5.6.7 following. The Multiplexing Arrangements associated with shared use high capacity facilities will be ordered and rated as Special Access service until such time as the customer chooses to use a portion of the available capacity for providing Switched Access service. At that time the customer must place an order for Switched Access service, designating a specific channel assignment for the service. As each individual channel is activated for Switched Access service, the Special Access rates for the Multiplexing Arrangements will be reduced accordingly (e.g., 1/24th for a DS1 to voice arrangement).

5.6.1 Types of Rates and Charges

There are five types of rates and charges. These are daily rates, monthly rates, nonrecurring charges, Special Access surcharges and Message Station Equipment Recovery charges. The rates and charges are described as follows:

(A) Daily Rates

Daily rates are recurring charges that apply to each 24 hour period or fraction thereof that a part-time Program Audio or part-time Video Special Access is provided. This 24 hour period is not limited to a calendar day. When part-time videoband service is requested, rates will be developed on an Individual Case Basis. 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.



5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.1 Types of Rates and Charges (Cont'd)

(B) Monthly Rates

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

(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 are those listed below.

(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 Access Service Request (ASR) basis, including those requests to add additional terminations to an existing service.

(b) Subsequent Ordering Charge - Special Access

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

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5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.1 Types of Rates and Charges (Cont'd)

(C) (Cont'd)

(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.

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5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.1 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 ASR 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 IC customer designated location, end user premises or Special Access service type (e.g., 2-wire to 4-wire Voiceband or Voiceband to Program Audio, etc.). Changes of this nature will require the issuance of a new ASR and the cancellation of the original ASR. The cancellation charges apply as set forth in 3.2.6 preceding.

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 5.7.1 following, will apply on a per ASR per occurrence basis, for each ASR requiring a design change.

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

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5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.1 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(4) Installation of Supplemental Features and Multiplexing Arrangements

Nonrecurring charges apply for the installation of supplemental features and multiplexing arrangements available with Special Access service. The charge applies whether the feature or multiplexing arrangement is installed coincident with the initial installation or 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 5.6.1(C)(1) preceding.

(5) Installation of Voicegrade, Program Audio and Digital Data Special Access Lines

The nonrecurring charges associated with the installation of voicegrade and program audio SALs are specified in 5.7.1(A) and (B). The nonrecurring charges associated with the installation of DDS SAL facilities and the provisioning of the customer specified transmission speed of 2.4, 4.8, 9.6, 19.2, 56 or 64 Kbps are specified in 5.7.1(A) and (B).

Customers subscribing to the DDS Optional Payment Plan (OPP) arrangements at rates set forth in 5.7.17(C) will not be accessed the nonrecurring charges for ordering and installation of DDS SAL.

The regulations in 5.6.1(C)(7) will apply to existing DDS OPP customers when required for changes and other service rearrangements.

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5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.1 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(6) Installation of DS1/DS3 and FT1 Special Access Lines

(a) DS1 Standard Arrangements

There are two levels of NRC and monthly charges for the installation of a DS1 SAL as set forth in 5.7.10(A). The "First System" charge is assessed per SAL for the first DS1 service ordered by a customer between CDLs or a hub wire center. When the same customer requests additional DS1 service on the same ASR, to be installed at the same time and between the same CDLs as the "First System" DS1 SAL, the lesser charge under "Additional System" will apply.

(b) DS1 Optional Payment Plan (OPP) Arrangements

Customers subscribing to the OPP arrangements at rates set forth in 5.7.10(C) will not be assessed a nonrecurring charge (NRC) for initial installation of a "First System" DS1 SAL. For each "Additional System" DS1 SAL, the NRC as set forth in 5.7.10(A) will apply. In addition, under an OPP, the "Additional System" DS1 SAL may be ordered as set forth in 5.6.12(A) at any time by the same customer between the same CDL and its serving wire center or hub wire center as the "First System" DS1 SAL.

The NRC for installation of a "First System" DS1 SAL as set forth in 5.7.10(A) will apply to existing DS1 OPP customers when required for changes and other service rearrangements as set forth in 5.6.

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5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.1 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(6) Installation of DS1/DS3 and FT1 Special Access Lines (Cont'd)

(c) DS3 Arrangements

There are two levels of charges for the installation of 3/12 capacity DS3 SAL as set forth in 5.7.12 and 5.7.13. The "First System" charge is assessed for the first DS3 SAL ordered by a customer. When the same customer requests additional DS3 SALs, to be installed between the same locations, the "Additional System" charge will apply for each SAL up to the maximum capacity of the system ordered.

For individual noncapacity DS3 service, the charge for installation will apply at the same rate per DS3 SAL.

In addition to charges in (a), (b) and (c) above, the appropriate Special Access Ordering Charge as set forth in 5.6.1(C)(1) will apply.

(d) Fractional T1 Standard Arrangements

Customers subscribing to Fractional T1 Service, at rates set forth in 5.7.19(A), will be assessed a nonrecurring charge. The NRC for Fractional T1 Service will be assessed per SAL.

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5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.1 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(6) Installation of DS1/DS3 and FT1 Special Access Lines (Cont'd)

(d) Fractional T1 Optional Payment Plan (OPP) Arrangements (Cont'd)

Customers subscribing to the Fractional T1 OPP Arrangements, at rates set forth in 5.7.19(B), will not be assessed a nonrecurring charge.

The regulations in Section 5.6.1(D)(8), will apply to FT1 OPP customers when required for changes and other service rearrangements.

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5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.1 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(7) Service Rearrangements

Service rearrangements are changes to existing (installed) services which may be administrative only in nature, as set forth following, or involve an actual physical change to the service. Changes to pending orders are set forth in 3.2.2 preceding.

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 set forth in 5.6.4 following.

Changes in ownership or transfer of responsibility from one customer to another requires the discontinuance of service and the start of a new service. The Initial Ordering Charge - Special Access and any appropriate Minimum Period Charges will apply per service, per change.

Administrative changes will be made without charge(s) to the customer. Such changes require the continued provision and billing of the Special Access Service to the same entity (i.e., customer remains responsible for all outstanding indebtedness for the Access Service). Administrative changes are as follows:

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5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.1 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(7) Service Rearrangements (Cont'd)

- Change of name, same customer (i.e., the customer of record does not change but rather the customer of record changes its name)
- Change of customer or customer's end user premises address when the change of address is not a result of a physical relocation of equipment
- Change in billing date (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 or customer's end user contact name or telephone number
- Change in jurisdiction involving no physical changes to the service

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5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.1 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(7) 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 or multiplexing arrangement, the Subsequent Ordering Charge - Special Access will apply plus the installation charge associated with the supplemental feature or arrangement.

- If the change involves changing the type network interface only, with no change in facility, the Subsequent Ordering Charge - Special Access will apply plus an amount equal to one half of the Service Installation charge for each location changed.

- 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.

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5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.1 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(7) Service Rearrangements (Cont'd)

- If the change involves the retermination of an existing circuit within the wire center only, in association with the installation of high capacity facilities and/or multiplexing arrangements, the Subsequent Ordering Charge - Special Access will apply plus an amount equal to one half the Service Installation charge.

- If the change involves the retermination of an existing circuit within a wire center and a change in the facilities involved (i.e., reroute), in association with the installation of high capacity facilities and/or multiplexing arrangements, the Subsequent Ordering Charge - Special Access will apply plus the Service Installation charge for the location involved.

- In cases where multiple service rearrangements or an additional termination or a move and a service rearrangements are requested on a single ASR, the total charge will never exceed the full nonrecurring charge for the basic service.

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5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.1 Types of Rates and Charges (Cont'd)

(D) Special Access Surcharges

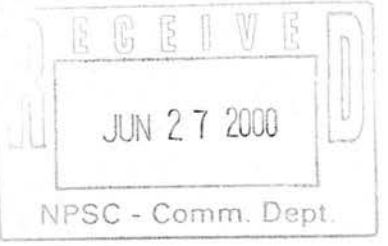
Pending the development of techniques to accurately measure usage of local facilities which are interconnected by users by means of interstate or foreign telecommunications, a surcharge of $25.00 per service, per month (GSEC - ASAL SCHG) shall be assessed upon customers that subscribe to Special Access. However, if the customer provides actual access minutes to the exchange utility, the charge shall be three (3) cents per access minute or fraction thereof, not to exceed $25.00 per service, per month. The Special Access Facility will be exempted from the monthly surcharge if the customer provides the Telephone Company written certification that the termination is one of the following:

(1) The open end termination (dial tone end) in a Telephone Company end office, of a Foreign Exchange (FX) line or Common Control Switching Arrangement (CCSA) (or equivalent) Off Network Access Line (ONAL).

(2) Any termination of an analog circuit that is used for radio or television program transmission.

(3) Any termination of a line that is used for telex service.

(4) Any termination of a line that by nature of its operating characteristics and nature of connection could not make use of common lines.



5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.1 Types of Rates and Charges (Cont'd)

(D) Special Access Surcharges (Cont'd)

(5) Any line termination other than (1) through (4) preceding which is subject to the following charges: (a) Carrier Common Line, (b) Common Line Termination, (c) End Office Switching, (d) Intercept and, (e) Switched Transport.

(6) A termination that the customer certifies to the Telephone Company is not connected to a PBX or other device capable of interconnecting the Special Access facility to a local exchange subscriber line. If the PBX or other device has been configured either through software programming or physical restrictions not to access the local exchange subscriber lines, then the customer may file the surcharge exemption for the Special Access lines terminating on this equipment.

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5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.1 Types of Rates and Charges (Cont'd)

(D) Special Access Surcharges (Cont'd)

In order for the Telephone Company to determine the application of the surcharge with respect to specific services, the customer must report the intended use of all services when placing orders for Special Access. In addition, when ordering High Capacity Analog or Digital services, the customer must report the use for each voice equivalent circuit of the high capacity service. When any circuit is reported wholly used in any manner described in (1) through (6) preceding, the surcharge will not apply. If the intended use is not reported, the surcharge will apply.

If, at any time after the installation of a service which is subject to the surcharge, the customer reports that the service is being used consistently with any exception listed above, the Telephone Company will credit the customer for the surcharge. Credit will not exceed ninety (90) days, based on the effective date that the Special Access FIA was reconfigured to meet the exception.

(E) The rates for the following offerings will be developed on an Individual Case Basis:

- Videoband
- Wideband Analog - Group Band Facilities
- Wideband Analog - Supergroup Band Facilities
- Wideband Analog - Mastergroup Band Facilities
- High Capacity Digital DS1C (3.152 Mbps) Special Access Lines
- High Capacity Digital DS1C (3.152 Mbps) Special Transport
- High Capacity Digital DS3C (89.472 Mbps) Facilities

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5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.1 Types of Rates and Charges (Cont'd)

(F) The rates for the following Multiplexing Arrangements will be developed on an Individual Case Basis:

Group to Voice
Supergroup to Group
Mastergroup to Supergroup
DS1C to Voice
DS1C to DS1
DS3C to DS1
Group to DS1

(G) Message Station Equipment Recovery Charges

The Message Station Equipment Recovery Charge is a charge to recover that portion of message station equipment which is assigned to Special Access Service.

In accordance with CC Docket 83-1145 Memorandum Opinion and Order adopted by the Federal Communications Commission on November 8, 1984, and released on November 9, 1984, this charge is assessed on those Special Access Voiceband equivalent lines subject to the Special Access Surcharge. The rate for the Message Station Equipment Recovery Charge is set forth in Section 5.7.2 following.

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5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.2 Minimum Periods

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

5.6.3 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., customer designated location serving wire center or Hub Wire Center). Where the calculated mileage is greater than zero, 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 customer designated locations 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 bridging or multiplexing (e.g., the Telephone Company chooses to so route for test access purposes), rates will be applied only to the distance calculated between the wire centers serving the customer designated locations.

The rates for the mileage are applied per airline mile. The serving wire center V&H coordinates and the method of calculation are specified in the ECA Tariff FCC No. 2.

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5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.4 Moves

A move involves a change in the physical location of the point of termination of Special Access. The charge for the move depends on whether the move is within the same customer designated location or to a different customer designated location.

(A) Same Customer Designated Location

When the move is to a new point within the same customer designated location, 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 termination affected. There will be no change in the minimum period requirements.

(B) Different Customer Designated Location

(1) When the move is to a different CDL (different address and different building), except as specified below, it will be treated as a disconnect and an installation of service. The Initial Ordering Charge - Special Access will apply plus the appropriate service installation charge for the service termination(s) affected. A new minimum period will be established for the installed Special Access Service. The customer will remain responsible for all minimum period charges associated with the disconnected Special Access Service. For services subject to payment plan regulations, a new payment plan will be established and full assessment of the remaining liabilities will be applicable.

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5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.4 Moves (Cont'd)

(B) (Cont'd)

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

- A change ASR 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 and full assessment of the remaining liabilities will be applicable.

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5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.4 Moves (Cont'd)

(B) (Cont'd)

(2) (Cont'd)

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 10 may also be applicable at the 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, depending on which end of the Special Access is moved. The customer will remain responsible for all minimum period charges associated with the corresponding portion of the disconnected Special Access.

5.6.5 (Reserved for Future Use)

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5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.6 Hub Wire Centers

A Hub Wire Center is a Telephone Company designated serving wire center at which bridging or multiplexing arrangements are provided. Bridging is used to connect three or more customer designated locations in a multi-point arrangement. The multiplexing arrangements channelize analog or digital facilities to individual services requiring a lower capacity or bandwidth. Although Hub Wire Centers are defined as serving wire centers at which bridging or multiplexing arrangements are performed, they are not limited to providing these functions and may provide any other types of Special Access services offered in this tariff.

The Telephone Company will designate the facility Hub Office locations. Different locations may be designated as Hub Wire Centers for different functions (e.g., multiplexing from digital to digital may occur at one wire center while multiplexing from digital to analog may occur at a different wire center). The location of Hub Wire Centers and the types of hubbing functions offered at that location are identified in the National Exchange Carrier Association's Tariff FCC No. 2.

Some of the types of multiplexing provided include the following:

- from higher to lower bit rate,
- from higher to lower bandwidth,
- from digital to voice grade service.

The transmission performance for the end to end Special Access provided from customer designated locations will be that of the lower capacity or bit rate. For example, when a 1.544 Mbps Special Access is multiplexed to voice frequency circuits, the transmission performance will be Voiceband, not High Capacity.

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5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.6 Hub Wire Centers (Cont'd)

The Telephone Company will commence billing the monthly rate for the Special Access Line and Special Transport for the high capacity facility to the Hub Wire Center as of the service date, even though individual services utilizing those facilities may not be installed until a later date. If the customer has designated the type of multiplexing to be provided with the High Capacity facility, the nonrecurring charge for the Multiplexing Arrangement will be billed to the customer at the same time and the billing for the monthly rate will begin.

Individual Special Access rates (by Special Access type) will apply for the Special Access Line and additional Special Transport facilities (if required) for each channelized Special Access. These will be billed to the customer as each individual Special Access is installed.

A customer may order full-time and/or part-time Videoband and Program Audio Services between two customer designated locations, or between a customer designated location and a Hub Wire Center, and will be billed accordingly at the rates set forth in Sections 5.7.6, 5.7.7, 5.7.8, and 5.7.9 following.

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.

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5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.6 Hub Wire Centers (Cont'd)

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

5.6.7 Shared Use Analog and Digital High Capacity Services

Monthly charges for a DS1 or DS3 high capacity shared used facility will be apportioned between Switched and Special Access based on the relative proportion of channels used for switched and special access in the following manner.

If the facility is ordered as Special Access, rating as Special Access will continue until such time as a portion of the available capacity is used to provide Switched Access service. As individual channels are activated for Switched Access, monthly charges will be apportioned between Switched and Special Access based on the number of channels used for Switched Access and the number of remaining channels on the Special Access facility according to the following formula:

- The total shared use charge is equal to the Monthly Switched Access Charge times the number of channels used for Switched Access divided by 24 for DS1 or 672 for DS3 plus the monthly Special Access Charge times the number of channels remaining for Special Access divided by 24 for DS1 or 672 for DS3.

If the facility is ordered as Switched Access, rating as Switched Access will continue until such time as a portion of the available capacity is used to provide Special Access service. As individual channels are activated for Special Access, monthly charges will be apportioned between Switched and Special Access based on the number of channels used for Special Access and the number of remaining channels on the Switched Access Facility according to the following formula:

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5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.7 Shared Use Analog and Digital High Capacity Services (Cont'd)

- The total shared use charge is equal to the Monthly Special Access Charge times the number of channels used for Special Access divided by 24 for DS1 or 672 for DS3 plus the monthly Switched Access Charge times the number of channels remaining for Switched Access divided by 24 for DS1 or 672 for DS3.

The monthly Switched and Special Access rate used will be the appropriate rate (Special Access SAL, Transport, Multiplexer and Switched Access Entrance Facility, Direct-Trunked Transport, and Multiplexer) for the underlying shared use facility, i.e., if the underlying facility is a Special Access DS3 service, the corresponding Switched Access DS3 Transport will be used to determine the Switched Access monthly charges.

Shared use of Special Access Fractional T1 (FT1) is not available.

5.6.8 (Reserved for Future Use)

5.6.9 (Reserved for Future Use)

5.6.10 (Reserved for Future Use)

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5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.11 DS3 High Capacity Service

(A) DS3 Rate Structure

DS3 (44.736 Mbps) High Capacity Service Special Access Lines (SALs) are offered under two options, Option 1 and Option 2.

Option 1: The DS3 SAL will be provided at two levels of capacity systems. The 44.736 Mbps DS3 SAL channel capacity is as follows:

3 DS3 channels capacity
12 DS3 channels capacity

Within each capacity system, a customer may order individual and/or multiple 44.736 Mbps DS3 SALs up to the maximum number of individual channels available within each system. The rates for a DS3 SAL based on system capacity apply to either a DS3 three/twelve capacity system. The SAL for the First DS3 service in the three/twelve capacity system has distance sensitive rates per 1/4 airline mile. The SALs for the Additional DS3 service (maximum of two) in the three-capacity system, (maximum of 11) in the twelve-capacity system, ordered by the same customer between the same locations, have nondistance sensitive rates. No reduction of the DS3 SAL rates (First/Each Additional) will apply regardless of the quantity of DS3 services purchased within the system capacity.

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5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.11 DS3 High Capacity Service (Cont'd)

(A) DS3 Rate Structure (Cont'd)

Option 2: A 44.736 Mbps DS3 SAL may be ordered by the customer on an individual noncapacity system level. DS3 SALs purchased under Option 2 will be charged at the same rate per SAL regardless of the quantity of DS3 services ordered. Prior to confirming the ASR, the Telephone Company will inquire and verify the availability of 44.736 Mbps DS3 interfaces at the CDL(s). If an interface at the CDL(s) exists, or is available that requires no physical change to the existing CDL configuration of services, the ASR will be confirmed and processed. If these conditions are not present, the customer will be advised and no charge will be assessed for the unissued ASR. Should the customer still choose to order DS3 service as provided under Option 1, the customer must submit a new ASR. The rates for a 44.736 Mbps DS3 SAL provided on an individual noncapacity system level have distance sensitive rates per 1/4 airline mile applied to each DS3 SAL.

Under Option 1 and Option 2, DS3 SALs may be ordered as either protected or unprotected at rates as set forth in 5.7. A protected DS3 SAL provides a spare transmission path (transmit and receive) connected via an automatic protection switch. Failure in the primary equipment will automatically divert traffic to the spare transmission path. An unprotected DS3 SAL has only one transmission path (transmit and receive) and will not recover in the case of an equipment failure until a repair or replacement task has been performed.

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5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.11 DS3 High Capacity Service (Cont'd)

(A) (Cont'd)

For protected DS3 SAL service, the spare transmission path will normally be provided on the same route as the primary path. When a customer orders a protected DS3 SAL, the customer may request that the spare transmission path be provided via an alternate route provisioned as the Telephone Company may elect. If common points for the primary and alternate route become necessary, these points will be identified by the Telephone Company and provided to the ordering customer. Should the routing arrangement require special routing requirements specified by the customer, other rates and regulations as set forth in Section 9 or Section 10 may be applicable.

If the customer elects to have the spare transmission path provided over the same route as the primary path, the protected DS3 SAL rates, first and additional quarter airline mileage, apply. However, when the customer elects to have the spare transmission path of a protected DS3 SAL provided via an alternate route, additional mileage rates will apply in addition to the rates for the protected DS3 SAL. The mileage for the distance sensitive alternate route will be the same as the primary route mileage, however, all quarter airline miles will be rated as protected additional quarter airline miles. The additional quarter airline miles will be rated under the same capacity and service period as the primary route.

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5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.11 DS3 High Capacity Service (Cont'd)

(A) (Cont'd)

A customer may order the same or different level of DS3 SAL capacity for each CDL(s) at which DS3 service is terminated. Each DS3 SAL within a three/twelve capacity system must be ordered at the same level of protection or nonprotection.

When a customer requests the disconnect of a DS3 service in the three/twelve capacity system, the disconnect steps are applied on a last in, first out basis. When only the First DS3 service exists on a three/twelve capacity system, that service will be disconnected.

In addition to the above charges, the appropriate Special Access Ordering Charge as set forth in 5.6.1(C)(1) will apply. Any costs associated with Special Construction as set forth in Section 10 will also apply.

DS3 Special Transport contains two rate elements. There is a fixed rate per Special Transport termination and a distance sensitive rate per airline mile per DS3.

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5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.11 DS3 High Capacity Service (Cont'd)

(B) DS3 Special Access Line Mileage Measurement

The mileage for the distance sensitive DS3 SALs will be calculated using V & H coordinates, when available for the CDL, to determine the number of chargeable 1/4 airline miles. The V & H coordinates and mileage calculation will be in accordance with NECA No. 4 except that distance will be rounded upward to the nearest quarter mile. If computation is less than one mile, 5-digit V & H coordinates will be used if available. Where V & H coordinates do not exist for the CDL, the mileage will be determined using the GTOCs local exchange area maps. These maps will be made available for a customer's review upon their request. Local exchange area maps are available at the headquarters of each GTOC and also on file with each state regulatory commission.

(C) Minimum Service Periods

DS3 service is offered under four minimum service periods, each with different rate levels. The minimum service periods are 1, 3, 5 and 7 years. The customer must specify the minimum service period at the time the service is ordered. Each DS3 service within a 3/12 capacity level can have a different minimum service period. Each DS3 SAL of a two-point DS3 service must have the same minimum service period.

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5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.11 DS3 High Capacity Service (Cont'd)

(C) (Cont'd)

The customer may select a longer minimum service period at any time, without penalty or application of nonrecurring charges, to obtain the lower recurring rates associated with a longer minimum service period. When the customer selects this option, they will receive full credit for the amount of time they were under the shorter minimum service period. For example, if a customer, who initially ordered DS3 service under a one year minimum service period, after six months decided to select the three year minimum service period, will have a remaining obligation period of 30 months. The new recurring charges will apply subsequent to the effective date of the new minimum service period.

(D) Expiration of Minimum Service Period

At the expiration of a minimum service period, the Telephone Company will continue to bill the customer at the same rate level unless the customer chooses to discontinue or converts to a different minimum service period.

When a customer retains DS3 service(s) for the duration of a minimum service period, the termination liabilities expire. As long as the customer makes no physical changes to the configuration of service(s), the customer will no longer be liable for early termination discontinuance charges regardless of the minimum service period rate level. Should a customer choose to disconnect a DS3 service having satisfied the minimum service period termination liabilities, the disconnect steps will still be applied as specified in 5.6.11(A).

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5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.11 DS3 High Capacity Service (Cont'd)

(E) Discontinuance Without Liability - DS3 Minimum Service Period

Should the recurring charges for a customer's DS3 service increase, in aggregate, by more than 10% from the original recurring charges during the minimum service period, the customer may, at their option, terminate the DS3 service without penalty or liability.

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5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.11 DS3 High Capacity Service (Cont'd)

(F) Discontinuance With Liability - DS3 Minimum Service Period

When a DS3 service is discontinued prior to the end of the minimum service period, the customer will be liable for a percentage of the total monthly charges for the remaining portion of the minimum service period. This charge will be based on the rates in effect at the time of disconnect. The customer's total liability is dependant upon the number of months remaining within the year that the service is discontinued times the liability rate for that year plus the total monthly charges for each annual period remaining in the minimum service period times the applicable liability rate. The liability rates for each year of the minimum service period are as follows:

Year In Which Service Is Discontinued	Liability Rate
1	50%
2	35%
3	30%
4	25%
5	20%
6	15%
7	10%

For example, if a customer with a seven year minimum service period discontinues DS3 service after six months within the 4th year, the customer will be liable for 25% of the total monthly charges for six months, 20% of the total monthly charges for the 5th year, 15% of the total monthly charges for the 6th year and 10% of the total monthly charges for the 7th year.

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5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.11 DS3 High Capacity Service (Cont'd)

(G) Notification of Discontinuance

Notice of discontinuance must be given by the customer at least thirty days prior to actual discontinuance. Monthly charges will apply for a period of thirty days from the date the Company receives discontinuance notification or until the requested discontinuance date, whichever period is longer.

(H) Upgrade to a Larger Capacity System (Protected or Unprotected)

Should the customer elect to upgrade services to a larger capacity system, the termination liabilities for the smaller system will not apply as long as the upgraded service remains connected at the same point of termination(s) or if applicable, meets the requirements set forth in 5.6.4(B).

All appropriate NRCs for the installation of the larger capacity system will apply. Conversion credit will not be given for the time in service associated with the smaller capacity system. A new minimum service period will be required for the larger capacity system.

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5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.11 DS3 High Capacity Service (Cont'd)

(I) Downgrade to a Smaller Capacity System (Protected or Unprotected)
Downgrades from a larger capacity system to a smaller capacity system will not be allowed without the full assessment of the liabilities described in Paragraph 5.6.11(F) for the original larger system, plus the full application of all charges for the smaller system. Credit will not be given for any number of months the original system was maintained. A new minimum service period will be required for the smaller capacity system.

Should the customer request to change from protected to unprotected DS3 SALs or from unprotected to protected DS3 SALs without upgrading or downgrading the capacity system, a new minimum service period will be required. All appropriate NRCs and full assessment of the remaining liabilities will be applicable.

(J) Cross-Connect (N)
A cross-connect charge will be charged on a monthly basis to recover the costs of the facilities and equipment required for the cable connection from the Telephone Company distribution frame to the central office electronic equipment owned or dedicated to the interconnector. Rates will be standard for each Telephone Company central office where an interconnector has established a multiplexing node. (N)

(K) (Reserved for Future Use)

(L) Multiplexer Cross Connect Arrangement
For DS3 multiplexed services, an arrangement that allows a customer to cross connect digital DS1 channels from one multiplexer to another multiplexer. The rate as specified in 5.7.16 will apply per cross connect arrangement. If the DS3 multiplexed services are located in different hub wire centers, DS1 special transport will apply in addition to the DS1 cross connect charge. The customer must provide the channel assignments (CFA and SCFA) for both multiplexed services on the ASR. When a customer chooses to order the cross connect arrangement, the Initial Ordering Charge - Special Access will apply.

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5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.11 DS3 High Capacity Service (Cont'd)

(M) Partitioned Billing Arrangement (PBA)

Partitioned Billing Arrangement (PBA) is a service arrangement that allows a customer with DS3 3/12 capacity service to partition (separate) the DS3 service(s) to terminate on a customer by customer basis. The same customer must order and be billed for the DS3 3/12 capacity SALs and each terminating DS3 SALs within a PBA. The customer may order the same or different level of capacity DS3 SAL for the CDL(s) at which the partitioned DS3 service is terminated.

When a customer orders the first DS3 3/12 capacity service, the customer will be rated a 3/12 capacity "First" DS3 SAL at a CDL. The same customer can then order the "Additional" DS3 SALs at the same CDL at any time without regard to the terminating end of the service. Based on the ordered capacity level (1 or 3/12), each CDL at which the partitioned DS3 service is terminated will be rated a "First" or "Individual" DS3 SAL and for any subsequent SAL at the same CDL will be rated an "Additional" or again "Individual" DS3 SAL. All other associated rate elements or additional features are applicable at the tariffed rates and regulations.

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5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.11 DS3 High Capacity Service (Cont'd)

(M) (Cont'd)

A PBA can involve multiplexing arrangements. A DS3 3/12 capacity service can be partitioned to a multiplexer in lieu of a CDL. If the PBA is not located in the multiplexed hub wire center, special transport will also be applicable to terminate the partitioned DS3 SAL to the multiplexing arrangement.

When ordering PBA, the customer will be required to provide information on the ASR necessary for the Telephone Company to complete the order. For each PBA, the ASR must specify the access service group (ASG) and the "First" DS3 circuit identification (ECCKT) at both CDLs in the arrangement.

Each 3/12 capacity DS3 service is considered a separate PBA. A customer may have multiple PBAs at a CDL. The rates and regulations described herein apply on a per PBA basis.

A customer with existing DS3 service(s) may choose to convert to a PBA. Conversion will require the customer to issue discontinuance of service ASR(s) on the existing DS3 service(s) and establishment of new service ASR(s) to each terminating CDL in the PBA. If no physical changes to the service(s) are required, only the Initial Ordering Charge - Special Access will apply. Should the customer choose to order new service or discontinue existing service in conjunction with converting to a PBA, all associated charges and any remaining termination liabilities will apply.

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5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.12 Optional Payment Plan (OPP)

(A) General

(1) The terms and conditions specified herein are applicable to DDS, DS1 and FT1 services. Additional terms and conditions for DS1 OPP are set forth in 5.6.12(H). Additional terms and conditions for DDS OPP are set forth in 5.6.12(J). Additional terms and conditions for FT1 OPP are set forth in 5.6.12(I).

(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) OPP SAL rates will not be greater than standard month-to-month SAL rates.

(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 5.7.10(C), 5.7.17(C) or 5.7.19(B) regardless of when they subscribe to an OPP arrangement.

(6) The customer must designate on the ASR the payment period for the OPP.

(7) Inside moves, provided in accordance with 5.6.4, will not incur termination liability charges.

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5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.12 Optional Payment Plan (OPP)

(A) (Cont'd)

(8) Outside moves provided in accordance with 5.6.4(B)(2) will allow the customer to retain the same OPP payment period. Any other move will be treated as a disconnect of the service and termination liability charges will apply.

(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 apply.

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5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.12 Optional Payment Plan (OPP) (Cont'd)

(C) Renewal Options

(1) At the expiration of an OPP period, the Telephone Company will automatically renew the service at the same OPP period unless the customer chooses to convert to a different OPP period, convert to month-to-month rates or discontinue service.

(2) Conversion to a different OPP period will require the customer to submit a change order ASR. Conversion to a different OPP period will be allowed without application of any nonrecurring or ordering charges.

(3) Conversion to month-to-month rates will be treated as a disconnect of service and establishment of new service. If no other changes are ordered, no NRCs will apply.

(D) Notification of Discontinuance

An ASR 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.

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5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.12 Optional Payment Plan (OPP) (Cont'd)

(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 5.6.4(B)(2).
- If the upgrade involves establishing a multiplexing arrangement, termination liability charges will not apply if the hub wire center is the same one associated with the customer designated location.

(F) Termination Liability

When an OPP service is discontinued prior to the end of the period, termination liability charges, as set forth below, will apply based on the remainder of the OPP period in effect at the time of disconnect.

One Year OPP - 50% of any remaining portion of the first year's recurring charges.

Three Year OPP - 50% of any remaining portion of the first year's recurring charges. In addition, for any remaining portion of the second and third years, the customer will be liable for 10% of the total monthly recurring charges in that time period.

Five Year OPP - 50% of any remaining portion of the first year's recurring charges. In addition, for any remaining portion of the second through fifth years, the customer will be liable for 20% of the total monthly recurring charges in that time period.

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5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.12 Optional Payment Plan (OPP) (Cont'd)

(G) Termination Without Liability

During an OPP period, should the currently effective rate for a customer's service increase, the customer may, at their option, terminate the OPP arrangement without penalty or liability.

(H) OPP for DS1 Service

(1) The terms and conditions of this OPP arrangement apply in addition to the above terms and conditions.

(2) When a customer elects to participate in an OPP arrangement for DS1 service, only the "First System" DS1 SAL rate element is subject to the OPP terms and conditions.

(3) Ordering and rating of DS1 service under an OPP arrangement is subject to the following conditions:

- A "First System" DS1 OPP SAL must be assessed at a CDL before any "Additional System" DS1 SALs can be assessed.

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5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.12 Optional Payment Plan (OPP) (Cont'd)

(H) (Cont'd)

(3) (Cont'd)

- Under an OPP arrangement, the same customer can order additional DS1 services at any time subsequent to establishing a "First System" DS1 OPP.

- Under an OPP arrangement, the same customer can order DS1 services from its CDL to different terminating CDLs. The customer will be rated a "First System" DS1 OPP SAL for the first DS1 service at a CDL and the same customer will be rated an "Additional System" DS1 SAL for additional DS1 services at the same CDL. In this arrangement, each DS1 service will be rated based on a "First or Additional System" basis at each CDL.

- The installation charge associated with DS1 services ordered under an OPP are set forth in Section 5.6.1(C)(6)(b).

- When DS1 service is ordered between two CDLs and each SAL is rated as "First System" DS1 OPP SALs, the same payment period will apply to both SALs.

- When ordering "Additional System" DS1 SALs, the customer will be required to provide remarks on the ASR necessary for the Telephone Company to complete the order. The ASR must specify the same customers "First System" DS1 OPP circuit identification (ECCKT) and access service group (ASG) at each CDL in order for the "Additional System" DS1 SAL rate to apply.

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5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.12 Optional Payment Plan (OPP) (Cont'd)

(H) (Cont'd)

(4) Should it become necessary for the customer to convert an "Additional System" DS1 SAL existing under an OPP arrangement to a "First System" DS1 OPP SAL to meet the rating requirement, the following ordering conditions and charges will apply. Credit will not be given for the time in service associated with the discontinued "First System" DS1 OPP SAL(s).

- A change order ASR is required when the conversion is to a "First System" DS1 OPP period equal to or greater than the discontinued DS1 OPP period and remains connected at the same CDL. A discontinuance of service ASR and establishment of new service ASR will be required to convert the "Additional System" DS1 SAL to a "First System" DS1 OPP SAL when the conversion is to a "First System" DS1 OPP period that is less than the discontinued DS1 OPP period and remains connected at the same CDL. No NRCs will apply.

- Both ends of the converted DS1 circuit must have the same payment period; however, termination liability charges will not apply to convert existing SALs.

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5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.12 Optional Payment Plan (OPP) (Cont'd)

(H) (Cont'd)

(5) Upon expiration of an OPP, should the customer choose to convert to month-to-month rates, existing "Additional System" DS1 SALs under the customer's OPP arrangement must also be converted to comply with the rules and regulations set forth in 5.6.1(E)(3). The customer will be required to submit ASRs to disconnect existing service and establish new service. If no other changes are ordered, no charges will apply for the conversion. The ordering and installation of further "Additional System" DS1 services will be subject to the standard month-to-month arrangements.

(6) For conversion of existing month-to-month DS1 service(s) to an OPP arrangement, the customer will be required to submit a change order ASR to convert to the OPP. No service or billing interruption will occur when a customer converts from month-to-month rates to an OPP. If no other changes to the service(s) are ordered, no charges will apply.

(7) The Telephone Company will only initiate revisions to the rates in 5.7.7(C) to reduce the currently effective monthly recurring charge. Rate changes may occur as a result of FCC action.

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5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.12 Optional Payment Plan (OPP) (Cont'd)

(I) OPP for FT1 Service

A customer may change the number of channels of an N x 56 Kbps or N x 64 Kbps service to another higher value of N (where N = 2, 4, or 6). subject to the following rate applications:

- The change service will be subject to all appropriate nonrecurring charges.

- Termination liability charges will not apply as long as the changed service remains connected at the same point of termination(s) or meets the requirements of 5.6.4.

- If the change involves establishing a multiplexing arrangement, termination liability charges will not apply if the hub wire center is the same one associated with the customer designated location.

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5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.12 Optional Payment Plan (OPP) (Cont'd)

(J) OPP for DDS

For conversion of existing month-to-month DDS to an OPP arrangement, the customer will be required to submit a change order ASR to convert to the OPP. No service or billing interruption will occur when a customer converts from month-to-month rates to OPP rates. If no other changes to the service are ordered, no charges will apply.

5.7 Rates and Charges

5.7.1 Nonrecurring Charges

		Charge
(A)	Special Access Ordering Charges	
(1)	Initial Ordering Charge	$ 74.23
(2)	Subsequent Ordering Charge	72.94
(B)	Service Installation Charge, Per SAL	166.17
(C)	Design Change Charge Per ASR, Per Occurrence	21.10

5.7.2 Message Station Equipment Recovery Charge

Monthly Rate

$3.29

5.7.3 (Reserved for Future Use)

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5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges (Cont'd)

5.7.4 (Reserved for Future Use)

5.7.5 Voiceband Facilities

(A) Standard Arrangements

Special Transport (Per Airline Mile) Monthly Rate	Special Access Line Two-Wire Monthly Rate	Special Access Line Four-Wire Monthly Rate
$10.00	$22.42	$44.84

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ACCESS SERVICES

5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges (Cont'd)

5.7.5 Voiceband Facilities (Cont'd)

(B) Optional Arrangements

Supplemental Features			
Multi-Point Data Bridging (Per Port)		Voice Conference Bridging (Per Port)	
Nonrecurring Charge	Monthly Rate	Nonrecurring Charge	Monthly Rate
$64.64	$6.05	$64.57	$7.48

Supplemental Features Alarm Distribution Bridging			
Common Equipment		Per Two-Wire Port	
Nonrecurring Charge	Monthly Rate	Nonrecurring Charge	Monthly Rate
$471.32	$24.86	$51.17	$1.86

Supplemental Features Conditioning Arrangements - Data			
Type C		Type DA	
Nonrecurring Charge	Monthly Rate	Nonrecurring Charge	Monthly Rate
$42.59	$ 1.67	$19.72	$1.18

Supplemental Features Conditioning Arrangements - Data Type C - Improved	
Nonrecurring Charge	Monthly Rate
$ 0.00	$32.71

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5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges (Cont'd)

5.7.5 Voiceband Facilities (Cont'd)

(B) (Cont'd)

Supplemental Features Signaling Arrangement			
Loop Signaling Range Extension		Loop or E&M to SF	
Nonrecurring Charge	Monthly Rate	Nonrecurring Charge	Monthly Rate
$117.83	$7.60	$174.68	$12.31

Supplemental Features Signaling Arrangement			
E&M to DX		E&M to Loop	
Nonrecurring Charge	Monthly Rate	Nonrecurring Charge	Monthly Rate
$117.83	$8.79	$133.57	$7.08

Supplemental Features Signaling Arrangement			
Loop or E&M to PCM		Automatic Ringdown	
Nonrecurring Charge	Monthly Rate	Nonrecurring Charge	Monthly Rate
$17.22	$2.56	$102.09	$10.65

Supplemental Features Echo Control			
Echo Suppression		Echo Canceller	
Nonrecurring Charge	Monthly Rate	Nonrecurring Charge	Monthly Rate
$109.98	$14.23	$109.98	$24.90

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5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges (Cont'd)

5.7.5 Voiceband Facilities (Cont'd)

(B) (Cont'd)

Supplemental Features Voiceband Facility Switching Arrangement	
Nonrecurring Charge	Monthly Rate
$109.98	$5.26

Supplemental Features Dataphone Select-a-Station Bridging Common Equipment			
Addressable		Sequential	
Nonrecurring Charge	Monthly Rate	Nonrecurring Charge	Monthly Rate
$1,482.52	$163.26	$1,482.52	$121.63

Supplemental Features Dataphone Select-a-Station Bridging			
Each Four-Wire Port		Each Two-Wire Port	
Nonrecurring Charge	Monthly Rate	Nonrecurring Charge	Monthly Rate
$78.58	$11.47	$51.17	$2.87

Supplemental Features			
Improved Return Loss, Per SAL		Improved Termination Option, Per SAL	
Nonrecurring Charge	Monthly Rate	Nonrecurring Charge	Monthly Rate
$ 0.00	$ 3.11	$ 0.00	$10.41

Supplemental Features Improved Equal Level Echo Path, Loss, Per SAL	
Nonrecurring Charge	Monthly Rate
$ 0.00	$3.11

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5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges (Cont'd)

5.7.6 Program Audio (200-3500 Hz) Facilities

(A) Standard Arrangements

Special Transport (Per Airline Mile)		Special Access Line	
Monthly Rate	Daily Rate	Monthly Rate	Daily Rate
$11.50	$1.15	$22.42	$2.24

(B) Optional Arrangements

Supplemental Features

Program Audio Bridging (Per Port)			Conditioning-Program Audio-Zero Loss		
Nonrecurring Charge	Monthly Rate	Daily Rate	Nonrecurring Charge	Monthly Rate	Daily Rate
$21.54	$1.00	$.10	$118.24	$12.00	$1.20

5.7.7 Program Audio (100-5000 Hz) Facilities

(A) Standard Arrangements

Special Transport (Per Airline Mile)		Special Access Line	
Monthly Rate	Daily Rate	Monthly Rate	Daily Rate
$11.62	$1.16	$44.51	$4.45

(B) Optional Arrangements

Supplemental Features

Program Audio Bridging (Per Port)			Conditioning-Program Audio-Zero Loss		
Nonrecurring Charge	Monthly Rate	Daily Rate	Nonrecurring Charge	Monthly Rate	Daily Rate
$21.54	$1.00	$.10	$118.24	$12.00	$1.20

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5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges (Cont'd)

5.7.8 Program Audio (50-8000 Hz) Facilities

(A) Standard Arrangements

Special Transport (Per Airline Mile) Monthly Rate	Daily Rate	Special Access Line Monthly Rate	Daily Rate
$14.53	$1.45	$45.06	$4.51

(B) Optional Arrangements

Supplemental Features					
Program Audio Bridging			Conditioning-Program Audio-Zero Loss		
Nonrecurring Charge	Monthly Rate	Daily Rate	Nonrecurring Charge	Monthly Rate	Daily Rate
$21.54	$1.00	$.10	$118.24	$12.00	$1.20

5.7.9 Program Audio (50-15000 Hz) Facilities

(A) Standard Arrangements

Special Transport (Per Airline Mile) Monthly Rate	Daily Rate	Special Access Line Monthly Rate	Daily Rate
$17.43	$1.74	$46.80	$4.68

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5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges (Cont'd)

5.7.9 Program Audio (50-15000 Hz) Facilities

(B) Optional Arrangements

Supplemental Features
Program Audio Bridging (Per Port)

Nonrecurring Charge	Monthly Rate	Daily Rate
$21.54	$1.00	$.10

Supplemental Features
Conditioning - Program Audio

Stereo Conditioning			Zero Loss		
Nonrecurring Charge	Monthly Rate	Daily Rate	Nonrecurring Charge	Monthly Rate	Daily Rate
$94.58	$1.00	$.10	$118.24	$12.00	$1.20

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5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges (Cont'd)

5.7.10 High Capacity Digital DS1 (1.544 Mbps) Facilities

(A) Standard Arrangements

Special Access Line			
First System		Each Additional System	
Nonrecurring Charge	Monthly Rate	Nonrecurring Charge	Monthly Rate
$182.00	$247.39	$91.00	$114.70

Special Transport Termination	Special Transport (Per Airline Mile)
Monthly Rate	Monthly Rate
$50.00	$15.00

(B) Optional Arrangements

Supplemental Features	
Automatic Protection Switching	
Nonrecurring Charge	Monthly Rate
$301.73	$100.62

(C) DS1 Optional Payment Plan

"First System" DS1 Special Access Line		
One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate
$235.00	$210.00	$185.00

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5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges (Cont'd)

5.7.11 High Capacity Digital DS1C (3.152 Mbps) Facilities

(A) Standard Arrangements

Special Transport Termination Monthly Rate	Special Transport (Per Airline Mile) Monthly Rate
$36.21	$72.42

5.7.12 High Capacity Digital DS3 (44.736 Mbps) Facilities - Three Capacity System

(A) Protected DS3

	First Special Access Line First 1/4 Airline Mile			
Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
$2,500.00	$4,700.00	$3,300.00	$3,000.00	$2,800.00

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5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges (Cont'd)

5.7.12 High Capacity Digital DS3 (44.736 Mbps) Facilities - Three Capacity System (Cont'd)

(A) Protected DS3 (Cont'd)

First Special Access Line
Each Additional 1/4 Airline Mile

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
$200.00	$260.00	$180.00	$160.00	$150.00

Each Additional Special Access Line - Maximum of 2

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
$400.00	$300.00	$190.00	$170.00	$160.00

(B) Unprotected DS3

First Special Access Line
First 1/4 Airline Mile

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
$2,500.00	$4,000.00	$2,800.00	$2,500.00	$2,400.00

First Special Access Line
Each Additional 1/4 Airline Mile

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
$200.00	$200.00	$140.00	$120.00	$110.00

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5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges (Cont'd)

5.7.12 High Capacity Digital DS3 (44.736 Mbps) Facilities - Three Capacity System (Cont'd)

(B) Unprotected DS3 (Cont'd)

Each Additional Special Access Line - Maximum of 2

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
$400.00	$230.00	$150.00	$130.00	$120.00

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5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges (Cont'd)

5.7.13 High Capacity Digital DS3 (44.736 Mbps) Facilities - Twelve Capacity System

(A) Protected DS3

First Special Access Line
First 1/4 Airline Mile

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
$4,500.00	$8,500.00	$6,300.00	$5,700.00	$5,200.00

First Special Access Line
Each Additional 1/4 Airline Mile

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
$200.00	$260.00	$180.00	$160.00	$150.00

Each Additional Special Access Line - Maximum of 11

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
$400.00	$300.00	$190.00	$170.00	$160.00

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5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges (Cont'd)

5.7.13 High Capacity Digital DS3 (44.736 Mbps) Facilities - Twelve Capacity System (Cont'd)

(B) Unprotected System

First Special Access Line
First 1/4 Airline Mile

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
$4,500.00	$7,000.00	$5,300.00	$4,800.00	$4,200.00

First Special Access Line
Each Additional 1/4 Airline Mile

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
$200.00	$200.00	$140.00	$120.00	$110.00

Each Additional Special Access Line - Maximum of 11

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
$400.00	$230.00	$150.00	$130.00	$120.00

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5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges (Cont'd)

5.7.14 High Capacity Digital DS3 (44.736 Mbps) Facilities - Noncapacity System

(A) Protected DS3 Individual

	Each Special Access Line First 1/4 Airline Mile			
Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
$900.00	$1,400.00	$990.00	$900.00	$850.00

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5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges (Cont'd)

5.7.14 High Capacity Digital DS3 (44.736 Mbps) Facilities - Noncapacity System (Cont'd)

(A) Protected DS3 Individual (Cont'd)

Each Special Access Line
Each Additional 1/4 Airline Mile

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
$30.00	$30.00	$20.00	$18.00	$17.00

(B) Unprotected DS3 Individual

Each Special Access Line
First 1/4 Airline Mile

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
$900.00	$1,100.00	$800.00	$700.00	$700.00

Each Special Access Line
Each Additional 1/4 Airline Mile

Nonrecurring Charge	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
$30.00	$23.00	$15.00	$13.00	$12.00

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5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges (Cont'd)

5.7.15 High Capacity Digital DS3 (44.736 Mbps) Facilities - Multiplexer Cross Connect Arrangement, per Arrangement
Nonrecurring Charge

$65.00

5.7.16 High Capacity Digital DS3 (44.736 Mbps) Facilities - Special Transport

Each Termination Per DS3 Monthly Rate	Each Airline Mile Per DS3 Monthly Rate
$425.00	$80.00

5.7.17 Digital Data Service Facilities
(2.4, 4.8, 9.6, 19.2, 56, 64 Kbps)

(A) Standard Arrangements

Special Transport All Speeds (Per Airline Mile) Monthly Rate	Special Access Line 2.4, 4.8, 9.6, 19.2, Kbps Monthly Rate	64, 56 Kbps Monthly Rate
$12.00	$68.00	$88.00

(B) Optional Arrangements

Supplemental Features DDS Bridging (Per Port) Nonrecurring Charge	Monthly Rate
$18.05	$9.14

5.7.18 Interconnection Cross Connect (N)
- per each interconnection type

	Monthly Rate
1.5 Mbps connection	$ 10.00
45 Mbps connection	$ 50.00

(N)

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5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges (Cont'd)

5.7.17 Digital Data Service Facilities (Cont'd)

(C) DDS Optional Payment Plan

Special Access Line All Speeds Nonrecurring Charge	Monthly Rate 2.4, 4.8, 9.6, 19.2 Kbps		
(USOC)	(SLHF1, LCYF1)	(SLHF3, LCYF3)	(SLHF5, LCYF5)
(GSEC)	(EUCXX12)	(EUCXX36)	(EUCXX60)
	1 Year MRC	3 Year MRC	5 Year MRC
$ 0.00	$78.00	$68.00	$66.00

Special Access Line All Speeds Nonrecurring Charge	Monthly Rate 56, 64 Kbps		
(USOC)	(SLHF1, LCYF1)	(SLHF3, LCYF3)	(SLHF5, LCYF5)
(GSEC)	(EUC56-12)	(EUC56-36)	(EUC56-60)
	1 Year MRC	3 Year MRC	5 Year MRC
$ 0.00	$98.00	$88.00	$78.00

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5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges (Cont'd)

5.7.18 Multiplexing Arrangements

Voice to Narrowband		DS1 to Voice	
Nonrecurring Charge	Monthly Rate	Nonrecurring Charge	Monthly Rate
$1,034.28	$149.93	$891.70	$159.38

DS1C to Voice		DS1C to DS1	
Nonrecurring Charge	Monthly Rate	Nonrecurring Charge	Monthly Rate
$6,775.89	$602.19	$1,943.96	$172.44

Digital Data Carrier Multiplexer			
Common Equipment		Each 64 kbps Port Equipped Per Port	
Nonrecurring Charge	Monthly Rate	Nonrecurring Charge	Monthly Rate
$999.83	$73.67	$157.16	$13.50

Digital Data Subrate Multiplexer			
One 64 kbps to Twenty 2.4 kbps		One 64 kbps to Ten 4.8 kbps	
Nonrecurring Charge	Monthly Rate	Nonrecurring Charge	Monthly Rate
$502.72	$167.35	$314.16	$124.80

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5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges (Cont'd)

5.7.18 Multiplexing Arrangements (Cont'd)

Digital Data Subrate Multiplexer
One 64 kbps to Five 9.6 kbps

Nonrecurring Charge	Monthly Rate
$314.16	$108.60

Digital Data Office Channel Unit

2.4 kbps		4.8 kbps	
Nonrecurring Charge	Monthly Rate	Nonrecurring Charge	Monthly Rate
$94.28	$22.98	$94.28	$22.98

Digital Data Office Channel Unit

9.6 kbps		56 kbps	
Nonrecurring Charge	Monthly Rate	Nonrecurring Charge	Monthly Rate
$94.28	$23.74	$94.28	$25.11

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5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges (Cont'd)

5.7.19 High Capacity Digital FT1 Facilities

(A) Standard Arrangements

(1) 2 X 56 Kbps or 2 X 64 Kbps

Special Access Line

Nonrecurring Charge (USOC)	Monthly Rate (EU4JX) (1CKJX)	Special Transport (1LFSX)		Special Transport Termination (TRG)
(95051)	(95036)	(95058)		(95052)
(IOSC)	$260.00	$100.00	$ .18	$15.50

(2) 4 X 56 Kbps or 4 X 64 Kbps

Special Access Line

Special Nonrecurring Charge (USOC)	Monthly Rate (EU4JX) (1CKJX)	Special Transport (1LFSX)		Transport Termination (TRG)
(95051)	(95037)	(95062)		(95054)
(IOSC)	$260.00	$105.00	$ .36	$31.00

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5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges (Cont'd)

5.7.19 High Capacity Digital FT1 Facilities (Cont'd)

(A) Standard Arrangements (Cont'd)

(3) 6 X 56 Kbps or 6 X 64 Kbps

Special Access Line

Special Nonrecurring Charges (USOC) (IOSC)	Monthly Rate (EU4JX) (CKJX) (95051)	Special Transport (1LFSX) (95036)	Transport Termination (TRG) (95056)
$ 260.00	$ 110.00	$ .54	$ 46.50

(B) FT1 Optional Payment Plan

(1) 2 X 56 Kbps or 2 X 64 Kbps

Special Access Line

	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Special Transport	Special Transport Termination
(USOC)	(EU4KX) (1CKKX)	(EU4KX) (1CKKX)	(EU4KX) (1CKKX)	(1LFSX)	(TRG)
(IOSC)	(95039)	(95040)	(95041)	(95058)	(95052)
	$ 95.00	$ 90.00	$ 85.00	$ .18	$ 15.50

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ACCESS SERVICES

5. SPECIAL ACCESS (Cont'd)

5.7 Rates and Charges (Cont'd)

5.7.19 High Capacity Digital FT1 Facilities (Cont'd)

(B) FT1 Optional Payment Plan (Cont'd)

(2) 4 X 56 Kbps or 4 X 64 Kbps

Special Access Line

	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Special Transport	Special Transport Termination
(USOC)	(EU4KX) (1CKKX)	(EU4KX) (1CKKX)	(EU4KX) (1CKKX)	(1LFSX)	(TRG)
(IOSC)	(95042)	(95043)	(95044)	(95062)	(95054)
	$ 100.00	$ 95.00	$ 90.00	$ .36	$ 31.00

(3) 6 X 56 Kbps or 6 X 64 Kbps

Special Access Line

	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate	Special Transport	Special Transport Termination
(USOC)	(EU4KX) (1CKKX)	(EU4KX) (1CKKX)	(EU4KX) (1CKKX)	(1LFSX)	(TRG)
(IOSC)	(95045)	(95046)	(95047)	(95065)	(95056)
	$ 105.00	$ 100.00	$ 95.00	$ .54	$ 46.50

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5. SPECIAL ACCESS (Cont'd)

5.8 Miscellaneous Special Access Services

5.8.1 Clear Channel Capability

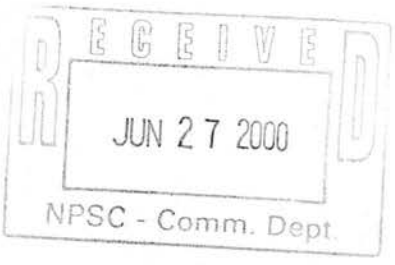
(A) Description of Service

An arrangement that allows the customer to transport 1.536 Mbps of information through a DS1 with no constraint on the quantity or sequence of one (mark) and zero (space) bits utilizing the Bipolar with Eight Zero Substitution (B8ZS) method of providing bit sequence independence. This arrangement is capable of transporting DS1 signals which utilize Superframe or Extended Superframe Format (ESF) as defined by the American National Standards Institute (ANSI) T1.107-1988 standard. The installation interval for Clear Channel Capability may exceed standard intervals where equipment in the central office is not readily available. The charges apply on a per SAL basis.

This arrangement requires the customer signal at the channel interface to conform to the B8ZS method of providing bit sequence independence, as described in ANSI T1.102-1987 and Section 6103 of the Telephone Company Technical Interface Reference Manual.

(B) Rates, Per DS1 SAL:

Nonrecurring Charge	Monthly Rate
$90.00	$22.79



5. SPECIAL ACCESS (Cont'd)

5.8 Miscellaneous Special Access Services (Cont'd)

5.8.2 Educational Service Units (ESU) Access

(A) Description of Service

This service provides a dedicated 56 Kbps circuit from the premises of an educational institution to the nearest Education Service Unit (ESU) or frame relay point.

ESU Access is provided for educational access, one connection per local calling area, to Internet, a network of computers located in universities, schools, industrial cities and scientific laboratories, to facilitate research and education.

This service is provided to educational institutions at the rates and charges specified below. When ESU Access is provided by more than one telephone company, Multiple Company Billing rules, as specified in 3.3(A)(2) apply. Service Ordering Charges as specified in 5.7.1(A) also apply. Commercial access to Internet is available at the rates and charges listed in other sections of this tariff.

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5. SPECIAL ACCESS (Cont'd)

5.8 Miscellaneous Special Access Services (Cont'd)

5.8.2 Educational Service Units (ESU) Access (Cont'd)

(B) Rates and Charges

Special Access Lines
56 Kbps ESU Access

Nonrecurring Charge	Monthly Rate (GSEC)	(NEUC56ESU)	(EUC56ESU)
$50.00	$88.00		

Special Transport
(Per Airline Mile)

Monthly Rates (GSEC)	(1LF56ESU)
$0.25	

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6. MISCELLANEOUS SERVICES

6.1 General

Miscellaneous Services available to the customer include the following:

(A) Additional Labor (i.e., Overtime Installation, Overtime Repair, Additional Installation Testing, Standby, Testing and Maintenance with Other Telephone Companies)
(B) Maintenance of Service
(C) Telecommunications Service Priority (TSP) System
(D) Balloting and Allocation Process For Equal Access
(E) Additional Testing
(F) Provision of FIA Billing Information
(G) End User List
(H) Billing Name and Address Service

These services are described in detail as set forth in 6.2 through 6.9 following.

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6. MISCELLANEOUS SERVICES (Cont'd)

6.2 Additional Labor

Additional Labor is that labor requested by the customer on a given FIA and agreed to by the Telephone Company as set forth in (A) through (E) following. The Telephone Company will notify the customer that Additional Labor charges as set forth in (G) following will apply before any Additional Labor is undertaken. Additional Labor charges will also apply if the requirement for the Additional Labor is the fault of the customer or parties on whose behalf it acts.

(A) Overtime Installation

Overtime installation is that Telephone Company installation effort outside the business day. Overtime rates will apply anytime outside the business day and all day Saturday. Premium time rates will apply all day Sunday and on all Telephone Company approved holidays.

(B) Overtime Repair

Overtime repair is that Telephone Company maintenance effort performed outside the business day. Overtime rates will apply anytime outside the business day and all day Saturday. Premium time rates will apply all day Sunday and on all Telephone Company approved holidays.

(C) Additional Installation Testing

Additional installation testing is that testing performed by the Telephone Company at the time of installation which is in addition to normal pre-service and acceptance testing.

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6. MISCELLANEOUS SERVICES (Cont'd)

6.2 Additional Labor (Cont'd)

(D) Standby

Standby includes all time in excess of one-half (1/2) hour during which Telephone Company personnel are available to make coordinated tests on a given FIA. The standby charge applies only when Telephone Company personnel must wait more than 30 minutes beyond a prearranged, mutually agreed appointment time. Standby charges will cease when testing begins, or when Telephone Company personnel are released from the standby requirement, or when testing is rescheduled for a later date or time. Charges will not be applicable if Telephone Company personnel cause the delay.

(E) Testing and Maintenance with Other Telephone Companies

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

(F) (Reserved for Future Use)

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6. MISCELLANEOUS SERVICES (Cont'd)

6.2 Additional Labor (Cont'd)

(G) Charges for Additional Labor

Labor Periods Basic Time, Business Day, Per Technician		
First Half Hour or Fraction Thereof	Each Additional Half Hour or Fraction Thereof	(GSEC)
NAALCBT1	NAALCBTA	
$31.86	$15.49	

Labor Periods Overtime, Outside the Business Day, Per Technician*		
First Half Hour or Fraction Thereof	Each Additional Half Hour or Fraction Thereof	(GSEC)
NAALC0T1	NAALCOTA	
$34.93	$18.56	

Labor Periods Premium Time, Outside the Business Day, Per Technician*		
First Half Hour or Fraction Thereof	Each Additional Half Hour or Fraction Thereof	(GSEC)
NAALCPT1	NAALCPTA	
$41.06	$24.69	

* A call out of a Telephone Company employee at a time not consecutive with the business day is subject to a minimum charge of four hours.

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6. MISCELLANEOUS SERVICES (Cont'd)

6.3 Maintenance of Service Charge

(A) When a customer reports trouble to the Telephone Company for clearance, the customer shall be responsible for payment of a Maintenance of Service Charge when Telephone Company personnel are dispatched to the customer's location and no trouble is found in the Telephone Company's facilities. Failure of Telephone Company personnel to find trouble in Telephone Company facilities will result in no charge if the trouble is actually in those facilities, but not discovered at the time.

In this case, or in (B) following, no credit allowance will be applicable for the interruption involved, unless the trouble is found in the Telephone Company's facilities.

(B) The customer shall be responsible for payment of a Maintenance of Service Charge when the Telephone Company dispatches personnel to the customer's location and the trouble is in equipment or communications systems provided by other than the Telephone Company or in detariffed CPE provided by the Telephone Company.

(C) The Maintenance of Service Charge time period will begin when Telephone Company personnel are dispatched. This will only include the actual time required to reach the customer's location and perform an investigation. The time period will end when the investigation is finished. The labor charge as set forth in 6.2 (G) preceding will apply to Maintenance of Service at the appropriate Basic, Overtime or Premium rate. These charges apply whether the trouble is in the equipment of communications systems provided by other than the Telephone Company, or in detariffed CPE provided by the Telephone Company.

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6. MISCELLANEOUS SERVICES (Cont'd)

6.4 Telecommunications Service Priority (TSP) System

(A) Description of the Service

The TSP System is a service that provides for the priority provisioning and/or restoration of National Security Emergency Preparedness (NSEP) telecommunications services. The TSP System applies only to NSEP services, includes both Switched and Special FIA and provides the Telephone Company with a guide to the sequence in which services are to be provisioned and/or restored.

The Telephone Company currently has Special Access circuits classified as RP (Restoration Priority). These facilities were offered under Part 64.401, Subpart D, Appendix A of the FCC Rules and Regulations prior to the revisions released November 17, 1988 under GEN. Docket No. 87-505 (FCC 88-341). These facilities will maintain their RP designation and priority treatment until either converted by the customer to the TSP System, or until March 10, 1993, whichever occurs first.

All FIA that can be identified by a unique circuit identifier can be provisioned for NSEP service by the Telephone Company.

The rates and charges associated with a customer subscribing to the TSP System are as specified in Section 6.4(G).

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6. MISCELLANEOUS SERVICES (Cont'd)

6.4 Telecommunications Service Priority (TSP) System (Cont'd)

(B) Obtaining TSP System Service

The Executive Office of the President through the TSP Program Office, is empowered with the authority to receive, evaluate and process requests for NSEP services. The TSP Program Office makes the priority level assignments and issues the TSP authorization code reflecting the priority assignment associated with a request. The customer provides the TSP authorization code, in addition to all the other details necessary to complete the order (ASR) to the Telephone Company to obtain TSP System service.

The TSP authorization code, assigned on a per ASR basis, consists of a 12-character field consisting of a nine-character control ID followed by a dash and a two-character field specifying the priority level assignment. Its structure is as follows:

TSPxxxxxn-yy

The "x"s represent a sequence of numbers unique to each TSP authorization code and the "n" is a one character alphanumeric check digit. The first "y" contains the provisioning priority level assignment and the second "y" contains the restoration priority level assignment.

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6. MISCELLANEOUS SERVICES (Cont'd)

6.4 Telecommunications Service Priority (TSP) System (Cont'd)

(C) Provisioning Priority

If the customer requires service within a shorter time interval than the Telephone Company can provide and the requested service qualifies for NSEP, the customer may elect to invoke NSEP Treatment and obtain the appropriate provisioning priority assignment from the TSP Program Office. Acceptable assignment code values are: E, 1, 2, 3, 4, 5, or 0.

The assignment of the value "E" denotes Emergency Provisioning and implies the service has the most critical provisioning requirements and the Telephone Company will respond accordingly. The Telephone Company will take immediate action to provide the requested service at the earliest possible date. Rates and charges associated with "E" provisioning are as specified in Section 6.4(G)(2)(a).

The assignment values of 1, 2, 3, 4, and 5 are rated as essential service priorities and the Company will adjust its available resources to meet the customer's requested due date. Rates and charges associated with invoking this priority treatment are specified in Section 6.4(G)(2)(b). The value "0" implies no provisioning priority.

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6. MISCELLANEOUS SERVICES (Cont'd)

6.4 Telecommunications Service Priority (TSP) System (Cont'd)

(D) Restoration Priority

A TSP authorization code for restoration priority classifies the service as being among the nation's most important NSEP telecommunications services. The Company will restore these services before services without restoration priority assignments in the order of priority assignments. Acceptable values are: 1, 2, 3, 4, 5 or 0 with the value "1" being the highest priority.

When the Company recognizes a TSP as being out of service, unusable or receives a t rouble report, available resources will be dispatched to restore the service as quickly as practicable. A priority value of 1, 2 or 3 requires dispatch outside normal business hours if necessary to restore the service. A priority value of 4 or 5 only requires dispatch outside of normal business hours if the next business day is more than 24 hours away. If the value "0" has been assigned, then no restoration priority is applicable to this service.

The minimum period of service is one month.

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6. MISCELLANEOUS SERVICES (Cont'd)

6.4 Telecommunications Service Priority (TSP) System (Cont'd)

(E) Obligations of the Customer

(1) In all instances, the customer is responsible for obtaining the appropriate TSP authorization code and providing that code to the Telephone Company.

(2) The TSP System service customer must also be the customer for the FIA with which TSP service is associated. Only the customer or its authorized agent as indicated in a letter of agency on file with the Telephone Company is allowed to order TSP System service.

(3) All points of a multipoint service configuration must have the same restoration priority assignment and must satisfy the requirements of that assignment.

(4) In obtaining TSP System service, the customer consents to the release of certain information by the Telephone Company to the federal government in order to maintain and administer the TSP System. Such information includes: the customer's name, telephone number and mailing address, the TSP authorization code and the circuit or service ID number associated with the NSEP service.

(5) The Telephone Company will attempt to notify the customer of expected charges. The customer when invoking NSEP treatment, recognizes that quoting charges and obtaining permission beforehand may not be practicable and may cause unnecessary delays and, as a result, grants the Telephone Company the right to quote and bill charges after provisioning of the service.

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6. MISCELLANEOUS SERVICES (Cont'd)

6.4 Telecommunications Service Priority (TSP) System (Cont'd)

(E) (Cont'd)

(6) During certain emergencies, the customer may request TSP assignments verbally and the Telephone Company will accept such verbal notification. The customer must submit a written order (ASR) to the Telephone Company within two working days following the verbal request. If the written order (ASR) is not received within two working days, all applicable rates and charges accumulated to date to provision TSP System service, become immediately due and payable and the requested TSP priority is revoked.

(7) The customer must request and justify revalidation of all priority level assignments at least every three years.

(8) Additionally, the NCS Manual 3-1-1, "Telecommunications Service Priority (TSP) System for National Security Emergency Preparedness (NSEP) Service User Manual", dated July 9, 1990, prescribes specific conditions which warrant NSEP treatment and related procedures.

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6. MISCELLANEOUS SERVICES (Cont'd)

6.4 Telecommunications Service Priority (TSP) System (Cont'd)

(F) Obligations of the Telephone Company

(1) The Telephone Company will allocate resources to ensure best efforts to provide NSEP services by the time required.

(2) The Telephone Company will work TSP System services in the order of their priority level assignments. The priority sequence is as follows:

- Restore NSEP services assigned restoration priority 1
- Provision Emergency (E) NSEP services
- Restore NSEP services assigned restoration priority 2, 3, 4, or 5
- Provision NSEP services assigned provisioning priority 1, 2, 3, 4 or 5

(3) The Telephone Company will work cooperatively with other providers of NSEP service when only a portion is provided by the Telephone Company to ensure "end-to-end" service.

(4) Additionally, TSP System service will be provided in accordance with the guidelines set forth in NCS Handbook 3-1-2, "Telecommunications Service Priority (TSP) System for National Security Emergency Preparedness (NSEP) Service Vendor Handbook" dated July 9,1990.

(G) Rates and Charges

The following rates and charges are in addition to all other rates and charges that may apply for other services offered under this tariff which operate in conjunction with the TSP System.

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6. MISCELLANEOUS SERVICES (Cont'd)

6.4 Telecommunications Service Priority (TSP) System (Cont'd)

(G) Rates and Charges (Cont'd)

(1) Establishment of TSP System Service

The establishment of TSP System service charge is a nonrecurring charge (NRC) specified in Section 6.4(G)(4) which applies when a FIA is ordered with provisioning and/or restoration priority. If both are ordered at the same time, only one NRC is applicable. The NRC is also applicable for orders changing priority levels.

(2) Provisioning Priority

There are two basic levels of priority provisioning, Emergency (provisioning priority "E") and "Essential (provisioning priority 1, 2, 3, 4 or 5).

(a) Emergency Provisioning

The Telephone Company will take immediate action to provide the requested service at the earliest possible date. The rates and charges will apply as set forth in Section 10, Special Construction.

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6. MISCELLANEOUS SERVICES (Cont'd)

6.4 Telecommunications Service Priority (TSP) System (Cont'd)

(G) Rates and Charges (Cont'd)

(2) Provisioning Priority (Cont'd)

(b) Essential Provisioning

The Telephone Company will adjust its available resources to meet the customer's requested due date. The rates and charges will apply as set forth in Section 3.2.2(E).

(3) Restoration Priority

Restoration Priority is a monthly rate per circuit for the ongoing administration and maintenance of the TSP System. This monthly rate only applies when a restoration priority code (1, 2, 3, 4 or 5) is specified in position 12 of the authorization code. The rates are specified in Section 6.4(G)(5).

(4) Establishment of TSP System Service Charge

Nonrecurring Charge per Circuit	$14.50

(5) Restoration Priority Rates

Monthly Rate per Circuit	$ 4.90

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6. MISCELLANEOUS SERVICES (Cont'd)

6.5 Balloting and Allocation Process For Equal Access

The Balloting and Allocation Process is an arrangement whereby:

- An end user may select or be allocated to an interexchange carrier (IC) to place intrastate, interLATA MTS/MTS-type calls without the 101XXXX access code. This IC is referred to as the end user's InterLATA Primary Interexchange Carrier (PIC).

- An end user may select or be allocated to an IC or local exchange carrier (LEC) to place intrastate, intraLATA MTS/MTS-type calls without the 101XXXX access code. This IC or LEC is referred to as the end user's IntraLATA Primary Interexchange Carrier (IPIC). The owner of Public and Semipublic Pay Telephones may select and designate to the Company a carrier to access for intraLATA toll calls without the dialing of an access code.

Balloting and allocation applies to agents of Public or Semipublic Pay Telephone service whereby the agent may select or be allocated to an IC to place intrastate interLATA calls without dialing the 101XXXX access code.

In the event that only one IC orders FGD or BSA-D to provide interLATA service or no IC or LEC orders FGD or BSA-D to provide intraLATA service from an end office in accordance with 3.1.1(D), the Balloting and Allocation Process for the PIC or IPIC set forth below will not apply.

On the effective date(s) of interLATA and intraLATA equal access (i.e., introduction of FGD or BSA-D in a serving end office), end users or agents who have not designated or been allocated to an IC or LEC will continue with the same IC or LEC service arrangement as existed prior to office conversion until the allocation process described in (B) occurs.

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6. MISCELLANEOUS SERVICES (Cont'd)

6.5 Balloting and Allocation Process For Equal Access (Cont'd)

(A) End User and Agent Notification and Equal Access Balloting Process

(1) InterLATA Equal Access

End users and agents will be notified of the availability of equal access by means of an equal access ballot. ICs intending to participate in the Balloting Process for each serving end office must inform the Telephone Company in writing no later than 120 days prior to the end office conversion to FGD or BSA-D. The notification from ICs wishing to participate in pay telephone balloting must specify if the carrier will handle 0+ traffic only, both 0+ and 1+ traffic, or 0+ with 1+ traffic being handled by a secondary service provider. When 1+ coin traffic is handled by a secondary service provider, the participating IC must identify the secondary service provider. The initial ballot, the first of two ballots the end user and agent may receive, listing all ICs participating in the balloting process, and an explanation of equal access will be mailed to the end user and agent approximately 90 days prior to the end office conversion to FGD or BSA-D. IC names appearing on the ballot will be listed in a random fashion by end office to ensure that no IC will always appear first on the ballot. The IC listed on a pay telephone ballot will be the 0+ carrier.

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6. MISCELLANEOUS SERVICES (Cont'd)

6.5 Balloting and Allocation Process For Equal Access (Cont'd)

(A) (Cont'd)

(1) (Cont'd)

Using the initial ballot, which end users and agents will be requested to return within 45 days after receipt, the end user or agent may designate an IC for all of its lines or may choose a different PIC for each of its lines. Where an end user has a multi-line hunt group and wants to designate several PICs for this hunt group, special arrangements may be made by contacting the Telephone Company.

An agent may designate an IC for the 0+ traffic from a pay telephone. The 1+ traffic from the pay telephone may be handled by the selected 0+ carrier if the carrier handles 1+ traffic, by a secondary service provider designated by the 0+ carrier, or by the default carrier if the 0+ carrier has made no arrangements with the Telephone Company to receive 1+ pay telephone traffic.

A second ballot will be sent to an end user or agent who has not designated an IC, either by return of the initial ballot or by appearing on an IC Customer list. The second ballot will be sent 30 days after conversion of the end office. If the end user or agent does not respond to the second ballot by the requested date, then that end user or agent will be assigned to the allocated IC shown on the second ballot.

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6. MISCELLANEOUS SERVICES (Cont'd)

6.5 Balloting and Allocation Process For Equal Access (Cont'd)

(A) (Cont'd)

(2) IntraLATA Equal Access

When intraLATA and interLATA equal access is made available concurrently, end users will be notified of the availability of equal access by means of an equal access ballot. ICs and LECs intending to participate in the Balloting Process for each serving end office must inform the Telephone Company in writing no later than 120 days prior to the end office conversion to FGD or BSA-D. The initial ballot, the first of two ballots the end user may receive, listing all ICs and LECs participating in the balloting process, and an explanation of equal access will be mailed to the end user approximately 90 days prior to the end office conversion to FGD or BSA-D. IC and LEC names appearing on the ballot will be listed in a random fashion by end office to ensure that no IC or LEC will always appear first on the ballot.

Using the initial ballot, which end users will be requested to return within 45 days after receipt, the end user may designate an IC or LEC for all of its lines or may choose a different IPIC for each of its lines. Where an end user has a multi-line hunt group and wants to designate several IPICs for this hunt group, special arrangements may be made by contacting the Telephone Company.

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6. MISCELLANEOUS SERVICES (Cont'd)

6.5 Balloting and Allocation Process For Equal Access (Cont'd)

(A) (Cont'd)

(2) (Cont'd)

A second ballot will be sent to an end user who has not designated an IC or LEC, either by return of the initial ballot or by appearing on an IC or LEC Customer list. The second ballot will be sent 30 days after conversion of the end office. If the end user does not respond to the second ballot by the requested date, then that end user will be assigned to the allocated IC or LEC shown on the second ballot.

When intraLATA equal access is made available in an end office at some time after the end office has converted to interLATA equal access, the Balloting and Allocation process for the intraLATA IPIC will not apply.

(B) Allocation Process

An IC or LEC must notify the Telephone Company of its intent to participate in the allocation process 52 days prior to the end office conversion to equal access. The IC or LEC must also identify whether it will participate in the allocation of business lines, residence lines, or Public/Semipublic Pay Telephones or any combination.

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6. MISCELLANEOUS SERVICES (Cont'd)

6.5 Balloting and Allocation Process For Equal Access (Cont'd)

(B) (Cont'd)

The Telephone Company will tabulate the initial ballots received from the end users and agents described in 6.5(A) and the IC and LEC Customer lists described in 6.5(C). The percentage of end users and agents who have selected a participating IC or LEC will be determined from these ballots and lists. These percentages will be used for the allocation of end users and agents who did not respond to the initial ballot or appear on an IC or LEC list. The percentages used for allocation will be determined approximately five days after end office conversion. A second ballot, indicated in 6.5(A), will be sent to end users and agents who have been allocated to an IC or LEC.

Separate allocation processes will be used for residence, business and Public and Semipublic Pay Telephone lines. The number of end users and agents designating an IC or LEC by returning the initial ballot or appearing on an IC or LEC end user and/or agent list will be totaled. This total will be utilized to compute the percentages used for allocation of residence and business Customers and Public/Semipublic Pay Telephone Customers.

If an IC or LEC participating in the ballot process notifies the Telephone Company that it does not wish to participate in the allocation process, the percentage of Customers allocable to that nonparticipating IC or LEC will be allocated to the remaining ICs and LECs.

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6. MISCELLANEOUS SERVICES (Cont'd)

6.5 Balloting and Allocation Process For Equal Access (Cont'd)

(C) The Telephone Company will accept IC and LEC Customer lists identifying end users and agents who have made individual arrangements with the IC or LEC to designate the IC or LEC as their primary long distance carrier. The list should be in the form of magnetic tape or paper printout. IC and LEC lists may continue to be received after the initial ballot deadline. All lists must be submitted to the Telephone Company no later than 20 days prior to the end office conversion to be included in the allocation process. If end user and agent ballots are received by the IC or LEC, the end user and agent will be included in the IC or LEC Customer list. The IC or LEC must retain the actual ballots for inspection by the Telephone Company for a period of one year after end office conversion.

(D) End User Choice Discrepancy

An IC or LEC is required to certify at the time it submits end user and/or agent lists to the Telephone Company that it has on file, or has instituted steps designed to obtain signed letters of agency or confirmations of choice from the end user or agent. The IC or LEC is not required to submit letters of agency when submitting end user or agent lists to the Telephone Company, but should maintain the confirmations or letters on file for use in dispute resolution. The IC or LEC should request written confirmation of choice from its Customers no later than the date of submission of its first bill to the Customer.

When an end user or agent indicates more than one PIC or IPIC per line or returns an illegible ballot, the Telephone Company will contact the end user or agent for clarification.

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6. MISCELLANEOUS SERVICES (Cont'd)

6.5 Balloting and Allocation Process For Equal Access (Cont'd)

(D) (Cont'd)

When the Telephone Company identifies a conflict between a ballot and an IC or LEC list, or between lists submitted by two or more ICs and/or LECS, the Telephone Company will notify, within 10 days, all affected Ics and LECs via a conflict report.

Those ICs and LECs not involved in any conflicts will receive a zero conflict report from the Telephone Company.

When an end user or agent returns a ballot to the Telephone Company and also appears on a conflicting IC or LEC Customer list, the ballot takes precedence. If an end user or agent appears on two or more IC or LEC Customer lists, the end user or agent will be allocated along with the nonrespondents to the initial ballot. A letter send with the second ballot will inform the end user or agent that there exists a conflict between two or more ICs and/or LECs and a selection must be made the deadline of the second ballot, unless the allocated IC or LEC indicated is the end user's or agent's choice.

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6. MISCELLANEOUS SERVICES (Cont'd)

6.5 Balloting and Allocation Process For Equal Access (Cont'd)

(E) Balloting and Allocation Procedure for Public and Semipublic Pay Telephones

The balloting and allocation of Public and Semipublic Pay Telephone lines is furnished in accordance with the provisions of the Memorandum of the U.S. District Court for the District of Columbia in United States vs. the Telephone Company (C.A. No. 83-1298), issued December 23, 1988.

The balloting and allocation process is a procedure whereby an agent of Public and Semipublic Pay Telephone service may select and designate to the Telephone Company an IC to access, without dialing an access code, for 0+ interLATA calls. This IC is referred to as the agent's primary IC. The 1+ interLATA calls from a pay telephone will be handled by the agent's primary IC if the IC handles 1+ traffic, by a secondary service provider selected by an agent's primary IC, or by the default carrier if the agent's primary IC has made no arrangements for handling 1+ traffic from a pay telephone.

If the agent's primary IC elects not to submit an order for its 1+ interLATA sent-paid traffic or fails to select a secondary service provider to handle its 1+ interLATA calls from the Telephone Company's pay telephones, the 1+ interLATA coin sent-paid traffic will continue to be routed to the existing 1+ default carrier (provided such carrier continues to accept it) until the 0+ carrier notifies the Telephone Company.

The Telephone Company will notify agents of Public and Semipublic Pay Telephones of the availability of equal access through the mailing of an Equal Access Ballot. The mailing of the initial ballots will take place 90 days prior to conversion.

Agents of Public and Semipublic Pay Telephones will be requested to return their respective ballot to the Telephone Company within 45 days from receipt of the ballot.

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6. MISCELLANEOUS SERVICES (Cont'd)

6.5 Balloting and Allocation Process For Equal Access (Cont'd)

(E) (Cont'd)

An IC obtaining service commitments from agents directly, must obtain signed authorization from those agents. The IC will be required to provide that authorization to the Telephone Company within 30 days of the Telephone Company's request for the resolution of disputes.

Agents of Public and Semipublic Pay Telephones who have not made a primary IC selection, either through the Payphone Equal Access Ballot, or directly with an IC, will be sent a second ballot by the Telephone Company 30 days after the conversion date.

The Telephone Company will tabulate the initial ballots received from the agents and the IC Customer lists. The percentage of agents who have selected a participating IC will be determined from these ballots and lists. These percentages will be used for the tentative allocation of agents who did not respond to the initial ballot or appear on an IC list. The percentages used for allocation will be determined approximately five days after end office conversion.

If an IC participating in the ballot process notifies the Telephone Company that it does not wish to participated in the allocation process, the percentage of Customers allocable to that nonparticipating IC will be allocated to the remaining ICs.

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6. MISCELLANEOUS SERVICES (Cont'd)

6.5 Balloting and Allocation Process For Equal Access (Cont'd)

(E) (Cont'd)

The Telephone Company will make post conversion changes in a Public and/or Semipublic Pay Telephone agent's PIC assignment pursuant to an IC provided list. Should an agent dispute authorization for an IC submitted change within 90 days of the PIC assignment to the IC, and if the IC cannot produce a letter of agency or confirmation of choice from the agent within 30 days of a request by the Telephone Company to do so, the Telephone Company will place the public or semipublic telephone on the agent's previously selected IC network. the IC will be billed one unauthorized PIC change charge in 6.5(M) for the change to the disputed network and one PIC change charge in 6.5(L) for returning the public or semipublic telephone to its originally selected IC network.

If the IC produces the letter of agency of confirmation of choice within 30 days of the request by the Telephone Company to do so, and if the service of the disputing agent has been switched back to its originally selected IC network, the agent will be billed two PIC change charges in 6.5(L) in lieu of charges to the IC, one for the switch to the IC providing the letter of agency or confirmation of choice and one for the subsequent switch back to the agent's original IC.

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6. MISCELLANEOUS SERVICES (Cont'd)

6.5 Balloting and Allocation Process For Equal Access (Cont'd)

(F) PIC and IPIC Charge Application

Initial end user, end user agent and a local service provider that resells services (herein referred to as reseller) selection of a PIC by ballot or appearing on an IC or, for intraLATA service, a LEC list will not incur a charge. A change of PIC selection prior to the end office conversion to interLATA equal access will not incur a charge. A change of IPIC selection prior to the end office conversion to intraLATA equal access will not incur a charge. Notification of a change in a PIC or IPIC may be coordinated by the end user, end user agent(s) or reseller(s) with either the IC or LEC selected or with the Telephone Company, if it is not the selected LEC. Within six months after conversion to equal access, an end user, end user agent(s) or reseller(s) allocated to an IC or LEC may elect to change to another IC or LEC at no charge, on a one-time basis. After the six month period has elapsed, a nonrecurring charge in 6.5(L) will apply to change the PIC or IPIC. After conversion to equal access, end users, end user agent(s) or reseller(s) who select an IC or LEC by returning the initial ballot will be charged for each change made.

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6. MISCELLANEOUS SERVICES (Cont'd)

6.5 Balloting and Allocation Process For Equal Access (Cont'd)

(F) (Cont'd)

In end offices converted to Equal Access new end users, end user agent(s) or reseller(s) of Pay Telephones and multi-party end users who upgrade to individual lines must presubscribe to the PIC and/or IPIC of their choice at the time an order is placed for service. The IPIC may be an IC or LEC (the Telephone Company or another LEC). Upon the end user, end user agent(s) or reseller(s) selection of the PIC and/or IPIC, at the time of placing an order, a confirmation notice will be sent identifying the IC selected as the PIC and/or the IC or LEC selected as the IPIC. From the date of the confirmation notice, they will have 90 days to change their presubscription selection without a charge. If a PIC and/or IPIC is not chosen at the time the order for service is submitted, the end user, end user agent(s) or reseller(s)will be sent a confirmation notice which contains a list of ICs with FGD or BSA-D providing interLATA service and/or a list of ICs and LECs providing intraLATA service, and will be informed that they have 90 days to contact the IC and/or LEC of their choice or the Telephone Company to apply for the PIC or IPIC arrangement. If notice is received by the Telephone Company within 90 days of the in-service date for local service or upgrade, no charge will be billed to the end user, end user agent(s) or reseller(s). If notice is received after 90 days, the end user, end user agent(s) or reseller(s) will be billed a nonrecurring charge for each PIC or IPIC as in 6.5(L). Until the end user, end user agent(s) or reseller(s) receives service from the selected carrier, the end user may access the carrier of his choice by dialing the appropriate 101XXXX carrier identification code.

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6. MISCELLANEOUS SERVICES (Cont'd)

6.5 Balloting and Allocation Process For Equal Access (Cont'd)

(F) (Cont'd)

The Telephone Company will make post conversion changes in the end user's, end user agent(s) or reseller(s) PIC or IPIC assignment pursuant to an IC or LEC provided list of Customers, accepted by the Telephone Company under conditions in (C) and (D). Post conversion changes in a PIC assigned to a Pay Telephone will be made under the conditions set forth in 6.5(E). Should an end user, end user agent(s) or reseller(s) dispute authorization of the change within 90 days of the PIC or IPIC assignment, and if the carrier cannot produce a letter of agency or confirmation from the end user, end user agent(s) or reseller(s), the Telephone Company will place the end user on the previous carrier network where possible and the carrier will be billed according to the following options:

(1) If the IC or LEC has previously submitted a letter requesting the Telephone Company to settle end user disputes without investigation, the carrier will be charged two PIC or IPIC change charges, in 6.5(L). One PIC or IPIC change charge is for the change to the disputed carrier and one is for placing the end user on his previous carrier network or the carrier network of his choice. By virtue of the carrier's letter requesting no investigation, the Telephone Company will perform no investigation and will not accept nor request at a later date any letter of authorization regarding an end user's disputed PIC or IPIC assignment. This option does not apply to Pay telephones nor Public Coinless telephone lines. This option also does not relieve the IC or LEC of the conditions set forth in (C) and (D) preceding.

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6. MISCELLANEOUS SERVICES (Cont'd)

6.5 Balloting and Allocation Process For Equal Access (Cont'd)

(I) Liability of the Telephone Company

If through the fault of the Telephone Company, the end user, end user agent or reseller is not subscribed to its chosen PIC or IPIC, the nonrecurring charges in 6.5(L) and 6.5(M) do not apply to reassign the end user, end user agent or reseller to his chosen PIC or IPIC.

(J) (Reserved for Future Use)

(K) Carrier Desired Due Date (ICDDD) for PIC or IPIC Installation

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

The ICDDD does not apply to routine lists provided by the carrier, as set forth in 6.5(C) and (D). The Nonrecurring Charge for PIC or IPIC as set forth in 6.5(L), applies to each line converted to the carrier requesting ICDDD. This charge will be billed to the carrier's end user Customer.

(L) Nonrecurring Charge for Primary InterLATA Carrier (PIC) or Primary IntraLATA Carrier (IPIC)

The nonrecurring charge for PIC or IPIC is as follows:

	Nonrecurring Charge	GSEC
Per Telephone Company Local Service Line or Trunk	$ 3.92	NEPS (PIC) NAAPS (IPIC)

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ACCESS SERVICES

6. MISCELLANEOUS SERVICES (Cont'd)

6.5 Balloting and Allocation Process For Equal Access (Cont'd)

(M) Nonrecurring Charge for Unauthorized PIC or IPIC Changes

The nonrecurring charges for Unauthorized PIC or IPIC changes are as follows:

		Nonrecurring Charge	GSEC
(1)	Per Telephone Company Local Business or Residence Service Line or Trunk	$13.57	NEPSUBR (PIC) NAAPSUBR (IPIC)

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6. MISCELLANEOUS SERVICES (Cont'd)

6.6 Additional Testing

The Telephone Company will perform acceptance testing as specified in 4.2.7 and 5.1.5 to insure that FIA ordered by the customer are functioning properly, prior to turning over such FIA to the customer. In addition, the Telephone Company will perform ongoing tests as specified in 4.2.1 and 4.2.2 to assure the continued satisfactory performance of Switched Access Services ordered by the customer.

Testing offered under this section of the tariff is in addition to those tests described above and will be provided, when requested by the customer, at an additional charge.

Testing is provided by Telephone Company personnel at Telephone Company locations. However, provisions are made in 6.6(A)(5) and 6.6(B)(2), to allow a customer to request Telephone Company personnel to perform testing at the CDL or the end user premises.

Additional testing is provided on a scheduled or nonscheduled basis. Scheduled testing shall be performed on a predetermined time basis to allow for cost efficient utilization of Telephone Company and customer resources. Scheduled testing should be based on a one year period. Nonscheduled tests are performed by the Telephone Company on a request-by-request basis, not in conjunction with any fixed schedule.

The offering of testing under this section of the tariff is made subject to the availability of the necessary qualified personnel and test equipment at the various test locations mentioned in (A), (B), and (C) following.

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6. MISCELLANEOUS SERVICES (Cont'd)

6.6 Additional Testing (Cont'd)

(A) Switched Access Testing

(1) Additional Cooperative Acceptance Testing

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

Additional Cooperative Acceptance Testing may apply when the customer requests additional tests not specified in 4.2.7.

The labor charges as in 6.2(G) will apply to Additional Cooperative Acceptance Testing at the appropriate Basic, Overtime, or Premium rate.

(2) Automatic Scheduled Testing (Cont'd)

The Telephone Company will provide a monthly AST report that lists the trunks within each Central Office access group that failed to meet established requirements. Trunk test failures requiring customer participation for trouble resolution will be provided to the customer on an as-occurs basis. A monthly report that lists the test results will be provided to the customer.

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6. MISCELLANEOUS SERVICES (Cont'd)

6.6 Additional Testing (Cont'd)

(A) (Cont'd)

(3) Additional Cooperative Scheduled Testing

Additional Cooperative Scheduled Testing (ACST) of FGA, FGB, FGC, FGD, BSA-A, BSA-B, BSA-C, BSA-D and SAC Access Service occurs when the Telephone Company provides a technician at its office(s) and the customer provides a technician at its CDL, with suitable test equipment to perform the required tests. ACST charges will apply when loss/noise/balance testing or gain-slope testing is requested on a more frequent basis than is provided for in accordance with the Telephone Company's Central Office Maintenance Planning System (COMPS). ACST charges also apply when additional tests are requested for FGA, FGB, FGC, FGD, BSA-A, BSA-B, BSA-C, BSA-D and SAC Access Service that are not specified in 4.2.1 and 4.2.2. The customer may specify a more frequent schedule of tests sixty days prior to the start of the prescribed schedule. The rates, as in 6.6(C)(2), will apply for additional ACST.

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6. MISCELLANEOUS SERVICES (Cont'd)

6.6 Additional Testing (Cont'd)

(A) (Cont'd)

(3) (Cont'd)

The Telephone Company will provide, on a quarterly basis, an ACST report that lists the test results and the number of trunks that passed or failed. Trunk test failures requiring customer participation for trouble resolution will be provided to the customer on an as-occurs basis.

(4) Additional Manual Scheduled Testing

Additional Manual Scheduled Testing (AMST) of FGA, FGB, FGC, FGD, BSA-A, BSA-B, BSA-C, BSA-D and SAC Access Service occurs when the Telephone Company provides a technician at its office(s) and at the CDL. AMST charges will apply when loss/noise/balance testing or gain-slope testing is requested on a more frequent basis than is provided for in accordance with the Telephone Company's Central Office Maintenance Planning System (COMPS). AMST charges also apply when additional tests are requested for FGA, FGB, FGC, FGD, BSA-A, BSA-B, BSA-C, BSA-D and SAC Access Service that are not specified in 4.2.1 and 4.2.2. The customer may specify a more frequent schedule of tests sixty days prior to the start of the prescribed schedule. The rates in 6.6(C)(3) will apply to additional AMST.

The Telephone Company will provide, on a quarterly basis, an AMST report that lists the test results and the number of trunks that passed or failed. Trunk test failures requiring customer participation for trouble resolution will be provided to the customer on an as-occurs basis.

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6. MISCELLANEOUS SERVICES (Cont'd)

6.6 Additional Testing (Cont'd)

(A) (Cont'd)

(5) Nonscheduled Testing

Nonscheduled Testing (NST) will be performed "on demand" which results in the measurement of Switched Access. NST charges will apply only when testing is requested more frequently than is provided for in accordance with COMPS, or when a specific test is requested that is not normally performed. Tests for Switched Access which are normally performed are contained in 4.2.1 and 4.2.2. Nonscheduled Testing (NST) of Switched Access may consist of the following testing arrangements:

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

- the Telephone Company provides a technician at its office(s) and the customer provides a technician at its customer designated location with suitable test equipment to perform the required tests (cooperative testing), or

- the Telephone Company provides a technician at its office(s), and at the customer designated location or end user premises with suitable test equipment to perform the required tests (manual testing).

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6. MISCELLANEOUS SERVICES (Cont'd)

6.6 Additional Testing (Cont'd)

(A) (Cont'd)

(5) (Cont'd)

Nonscheduled Tests may consist of any tests which the customer may require. The rates in 6.6(C)(1) will apply to Nonscheduled Automatic Testing. The labor charges in 6.2(G) will apply to Nonscheduled Cooperative and Manual FIA Testing at the appropriate Basic, Overtime, or Premium rate.

(6) Obligations of the Customer

(a) The customer shall provide the Remote Office Test Line priming data to the Telephone Company, as appropriate, to support AST as set forth in 6.6(A)(2) preceding or NST as set forth in 6.6(A)(5) preceding.

(b) The customer shall make the facilities to be tested available to the Telephone Company at times mutually agreed upon.

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6. MISCELLANEOUS SERVICES (Cont'd)

6.6 Additional Testing (Cont'd)

(B) Special Access Testing

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

(1) Additional Cooperative Acceptance Testing

When a customer provides a technician at its customer designated location or at the end user premises, with suitable test equipment to perform the required tests, the Telephone Company will provide a technician at its office for the purpose of conducting Additional Cooperative Acceptance Testing (ACAT). The labor charges as set forth in 6.2(G) preceding will apply to ACAT at the appropriate Basic, Overtime, or Premium rate.

Additional Cooperative Acceptance Testing charges will apply when the customer requests tests which are not required to meet the transmission performance parameters as set forth in the Telephone Company Technical Interface Reference Manual.

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6. MISCELLANEOUS SERVICES (Cont'd)

6.6 Additional Testing (Cont'd)

(B) (Cont'd)

(2) Nonscheduled Testing

When a customer provides a technician at its customer designated location or at the end user premises, with suitable test equipment to perform the required tests, the Telephone Company will provide a technician at its office (cooperative testing) for the purpose of conducting Nonscheduled Testing (NST). Nonscheduled testing may consist of any test (e.g., loss, noise, slope, envelope delay, etc.) which the customer may request. If such testing indicates trouble in Telephone Company facilities, then the customer will not be charged. NST charges will apply if the trouble is in the facilities of the customer. At the customer's request, the Telephone Company will provide a technician at the customer designated location or at the end user premises (manual testing). The labor charges as set forth in 6.2(G) preceding will apply to Nonscheduled Testing at the appropriate Basic, Overtime, or Premium rate.

(3) Obligation of the Customer

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

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6. MISCELLANEOUS SERVICES (Cont'd)

6.6 Additional Testing (Cont'd)

(C) Rates and Charges

(1) Automatic Scheduled Testing

Basic Offering to First Point of Switching Per Transmission Path, Per Month	
Rate (AAST BO)	(GSEC)
$.45	

(2) Additional Cooperative Scheduled Testing

Basic Offering to First Point of Switching Per Transmission Path, Per Month	
Rate (ACST BO)	(GSEC)
$1.46	

Gain-Slope-To First Point of Switching Per Transmission Path, Per Month	
Rate (ACST GS)	(GSEC)
$.62	

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ACCESS SERVICES

6. MISCELLANEOUS SERVICES (Cont'd)

6.6 Additional Testing (Cont'd)

(C) Rates and Charges (Cont'd)

(3) Additional Manual Scheduled Testing

Basic Offering to First Point of Switching Per Transmission Path, Per Month
Rate (GSEC) (AMST BO)
$2.91

Gain-Slope-To First Point of Switching Per Transmission Path, Per Month
Rate (GSEC) (AMST GS)
$1.24

6.7 Provision of FIA Billing Information

The customer will receive its monthly bills in paper format. At the option of the customer, its monthly bills may be provided on magnetic tape. When call detail is transmitted via magnetic tape, a charge will apply on a per tape and per record of detail entered basis. The provision of the bills on magnetic tape will be at an additional charge to the customer set forth below.

Provision of FIA Billing Information in Magnetic Tape Format	
Per Tape	Per Record
$50.00	$.01

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6. MISCELLANEOUS SERVICES (Cont'd)

6.8 End User/Agent Lists

(A) Presubscription List

(1) InterLATA Equal Access

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

(a) The Telephone Company will provide a list from its customer data base. The list may be provided on magnetic tape, electronic transmission or paper printout, at the option of the IC, at rates provided in 6.8.1(A). Foreign listings, PBX stations, CU Centrex stations and numbers not in service will not be provided.

(1) The initial list will be provided to the IC no later than 30 days after receipt of the order and payment by the IC of charges as in 6.8.1(A). The nonrecurring charge for the initial list applies per order. A single order may contain all end offices within a state having the same equal access conversion date. The telephone number will not be provided if an end user has a nonpublished number.

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6. MISCELLANEOUS SERVICES (Cont'd)

6.8 End User/Agent Lists (Cont'd)

(A) (Cont'd)

(1) (Cont'd)

(a) (Cont'd)

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

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6. MISCELLANEOUS SERVICES (Cont'd)

6.8 End User/Agent Lists (Cont'd)

(A) (Cont'd)

(1) (Cont'd)

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

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

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

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6. MISCELLANEOUS SERVICES (Cont'd)

6.8 End User/Agent Lists (Cont'd)

(A) (Cont'd)

(1) (Cont'd)

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

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6. MISCELLANEOUS SERVICES (Cont'd)

6.8 End User/Agent Lists (Cont'd)

(A) (Cont'd)

(2) IntraLATA Equal Access

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

(a) The Telephone Company will provide a list from its Customer data base. The list may be provided on magnetic tape, electronic transmission or paper printout, at the option of the IC or LEC, at rates provided in 6.8.1(A). Foreign listings, PBX stations, CU centrex stations, public coin station and numbers not in service will not be provided.

(1) The Initial List will be provided to the IC or LEC no later than 30 days after receipt of the order and payment by the IC or LEC of charges in 6.8.1(A). The nonrecurring charge for the Initial List applies per order. A single order may contain all end offices having the same intraLATA equal access conversion date. The telephone number will not be provided if an end user or agent has a nonpublished number.

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6. MISCELLANEOUS SERVICES (Cont'd)

6.8 End User/Agent Lists (Cont'd)

(A) (Cont'd)

(2) (Cont'd)

(a) (Cont'd)

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

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6. MISCELLANEOUS SERVICES (Cont'd)

6.8 End User/Agent Lists (Cont'd)

(A) (Cont'd)

(2) (Cont'd)

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

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

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

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6. MISCELLANEOUS SERVICES (Cont'd)

6.8 End User/Agent Lists (Cont'd)

(A) (Cont'd)

(2) (Cont'd)

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

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6. MISCELLANEOUS SERVICES (Cont'd)

6.8 End User/Agent Lists (Cont'd)

(B) Allocation Lists

(1) The Telephone Company will provide to the IC or LEC, at no charge, a list of end users and agents that have been allocated to the IC or LEC as described in 6.5(B). This list will be provided after the Balloting and Allocation Process occurs.

(2) A list of all end users and agents who have been allocated, in accordance with 6.5(B), will be available to an IC or LEC upon request. Charges in 6.8.1(A) will apply. The nonrecurring charge for the Allocation List applies each time the IC or LEC orders the service. A single order may contain all end offices having the same equal access conversion date.

(C) Snapshot List

The Snapshot List is a summary of selected end user and agent information for a specific IC or LEC which resides in the Telephone Company Customer data base. The Snapshot List may be provided on magnetic tape, electronic transmission or paper printout, at the option of the IC or LEC, at rates provided in 6.8.1(B). Foreign listings, PBX stations, CU centrex stations and numbers not in service will not be provided.

The Snapshot List will be provided to the IC or LEC no later than 30 days after receipt of the order. The nonrecurring charge for the Snapshot List applies per order.

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6. MISCELLANEOUS SERVICES (Cont'd)

6.8 End User/Agent Lists (Cont'd)

(C) (Cont'd)

The purpose, liability and objectives associated with the provision of the Snapshot List is in 6.8(A)(1)(b)-(e) and 6.8(A)(2)(b)-(e).

6.8.1 Rates and Charges

	Nonrecurring Charge Per ASR	Initial List Per Customer Account	Allocation List, Per Listing
(A) Initial and Allocation Lists*	$50.00	$.03	$.03
(B) Snapshot List	Per Order $75.00	Per Listing $0.05	

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

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6. MISCELLANEOUS SERVICES (Cont'd)

6.9 Billing Name and Address Services (BNAS)

The Telephone Company will, upon request, provide Billing Name and Address Services (BNAS) to a Telecommunications Service Provider (customer), or its authorized billing and collection agent. Telecommunications Service Providers include interexchange carriers, operator service providers, enhanced service providers, and any other provider of intrastate telecommunications services. There are three BNAS offerings available pursuant to this tariff, Per Call/Periodic BNA, Data Gathering Service (DGS), and End User Validation List.

(A) Per Call/Periodic BNA and Data Gathering Service

Per Call/Periodic BNA is the billing name and address information and Data Gathering is the billing telephone number, name, address and associated working telephone number information for customer provided ten digit end user telephone numbers required by the Telecommunications Service Provider customer to bill for calls placed within a specific time period. Per Call/Periodic BNA and DGS are offered subject to the conditions set forth in the following:

(1) A standard format for the receipt and provision of telephone number and billing name and address information will be established by the Telephone Company. Charges for each Per Call/Periodic BNA searched for and found or searched for and not found will be billed at rates in 6.9.1(A). Charges for each record accessed for DGS are set forth under 6.9.1(B). Per Call/Periodic BNA and DGS will be provided via magnetic tape, electronic transmission, or paper format, at the option of the customer, at rates in 6.9.1. The processing fee will be applied on a per state basis, once per calendar year for BNAS processing done within that calendar year.

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6. MISCELLANEOUS SERVICES (Cont'd)

6.9 Billing Name and Address Services (BNAS) (Cont'd)

(A) (Cont'd)

(2) The customer must order Per Call/Periodic BNA or DGS and provide test data tape at least 30 days prior to delivery of the first customer order.

(3) The frequency for receipt of the customer provided orders for Per Call/Periodic BNA or DGS will be no more than twice monthly and at intervals mutually agreed upon between the Telephone Company and the customer. The customer provided end user telephone numbers will be programmed by the Telephone Company with the proper end user's billing name and address contained in the Telephone Company's file at that time.

(4) Per Call/Periodic BNA and DGS information for nonlisted/nonpublished end user telephone numbers will be provided unless the nonlisted/nonpublished end user provides notice of nonconsent to the Telephone Company of nonconsent to the release of the BNA/DGS data. Within 30 days of receipt of such notice, the Telephone Company will discontinue disclosure of the nonlisted/nonpublished BNA/DGS data.

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6. MISCELLANEOUS SERVICES (Cont'd)

6.9 Billing Name and Address Services (BNAS) (Cont'd)

(A) (Cont'd)

(5) For other than electronic transmission, the output records will be sent to the customer via first class U. S. Mail. The output records will normally be made available for mailing ten workdays after receipt of the customer order or at an interval mutually agreed upon. Availability may be delayed in case of input errors in the customer provided order.

(6) The customer may request data be transmitted. Data transmission charges will be determined on an ICB. Data transmission hardware and software specifications will be mutually agreed upon by the Telephone Company and the customer.

(7) Per Call/Periodic BNA and DGS detail will not be retained by the Telephone Company longer than 45 days. If the customer requests that the output be made available on a second occasion, such request must occur within 30 days from the date the first was made.

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6. MISCELLANEOUS SERVICES (Cont'd)

6.9 Billing Name and Address Services (BNAS) (Cont'd)

(A) (Cont'd)

(8) Any customer, provided Per Call/Periodic BNA or DGS pursuant to this tariff, agrees to abide by all applicable rules, decisions, orders, statutes and laws concerning the disclosure of published and nonpublished telephone numbers, and further agrees to use the information contained therein only for the purpose of billing for services provided to their end users.

(9) In no case shall any customer or authorized billing and collection agent of a customer disclose the billing name and address information of any subscriber to any third party, except that a customer may disclose BNA/DGS information to its authorized billing and collection agent or to governmental law enforcement agencies.

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7. SPECIALIZED FIA OR ARRANGEMENTS

7.1 General

Specialized FIA or Arrangements may be provided by the Telephone Company, at the request of a customer, on an Individual Case Basis (ICB) if such FIA or arrangements meet the following criteria:

- The requested FIA or arrangements are not offered under other sections of this tariff.

- The facilities utilized to provide the requested FIA or arrangements are of a type normally used by the Telephone Company in furnishing its other services.

- The requested FIA or arrangements are provided within a Market Area.

- The requested FIA or arrangements are compatible with other Telephone Company services, facilities, and its engineering and maintenance practices.

This offering is subject to the availability of the necessary Telephone Company personnel and capital resources.

7.2 Rates and Charges

Rates and charges and additional regulations, if applicable, for Specialized FIA or Arrangements provided on an Individual Case Basis (ICB) are filed following:

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9. SPECIAL FACILITIES ROUTING OF FIA

9.1 Description of Special Facilities Routing of FIA

The FIA provided under this tariff are provided over such routes and facilities as the Telephone Company may elect. Special routing is involved where, in order to comply with requirements specified by the customer, the Telephone Company provides Switched Access, Special Access, Limited Access or Special Federal Government Services in a manner which includes one or more of the following conditions.

9.1.1 Diversity

Where two or more FIA must be provided over not less than two different physical routes. Diversity is a Basic Service Element (BSE) under the Telephone Company's Open Network Architecture (ONA) plan.

9.1.2 Avoidance

Where a FIA must be provided on a route which avoids specified geographical locations.

9.1.3 Cable-Only Facilities

Where certain voice grade FIA are provided on cable-only facilities to meet the particular needs of a customer. FIA is provided subject to the availability of cable-only facilities. In the event of FIA failure, restoration will be made through the use of any available facilities as selected by the Telephone Company.

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9. SPECIAL FACILITIES ROUTING OF FIA (Cont'd)

9.1 Description of Special Facilities Routing of FIA (Cont'd)

9.1.3 Cable-Only Facilities (Cont'd)

Avoidance and Diversity are available on Switched Access as in Section 4; voiceband and wideband analog Special Access as in Section 5 and Special Federal Government Services as in Section 11. Cable-only facilities are available for Switched Access as in Section 4, voiceband Special Access as in 5.2.1 and Special Federal Government Services as in Section 11.

In order to identify any special routing requirement, the Telephone Company will provide the ordering customer with the required routing information for each specially routed FIA. If requested by the customer, this information will be provided when the FIA is installed and prior to any subsequent change in routing.

The rates and charges for Special Facilities Routing of FIA as in 9.2 are in addition to all other rates and charges that may be applicable for FIA provided under other sections of this tariff.

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9. SPECIAL FACILITIES ROUTING OF FIA (Cont'd)

9.2 Rates and Charges

The rates and charges for Special Facilities Routing of FIA are as follows:

9.2.1 Diversity

For each FIA provided in accordance with 9.1.1 preceding, the rates and charges will be developed on an Individual Case Basis and filed following:

(Reserved for Future Use)

9.2.2 Avoidance

For each FIA provided in accordance with 9.1.2 preceding, the rates and charges will be developed on an Individual Case Basis and filed following:

(Reserved for Future Use)

9.2.3 Diversity and Avoidance Combined

For each FIA provided in accordance with 9.1.1 and 9.1.2 preceding, combined, the rates and charges will be developed on an Individual Case Basis and filed following:

(Reserved for Future Use)

9.2.4 Cable-Only Facilities

For each FIA provided in accordance with 9.1.3 preceding, the rates and charges will be developed on an Individual Case Basis and filed following:

(Reserved for Future Use)

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10. SPECIAL CONSTRUCTION

10.1 General

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

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

10.1.1 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 FIA 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 FIA;
- The customer requests the construction of more facilities than is required to satisfy its order for FIA;
- 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.

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10. SPECIAL CONSTRUCTION (Cont'd)

10.1 General (Cont'd)

10.1.2 Ownership of Facilities

The Telephone Company retains ownership of all specially constructed facilities, except for those facilities constructed by connecting companies or carriers, even though the customer may be required to pay Special Construction charges.

10.1.3 Interval to Provide FIA

Based on available information and the type of FIA 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.

10.1.4 Special Construction Involving Interstate and Intrastate FIA

When Special Construction involves facilities used to provide both interstate and intrastate FIA, charges for the portion of the construction used to provide interstate FIA shall be in accordance with this tariff. Charges for the portion of the construction used to provide intrastate FIA shall be in accordance with the appropriate the Telephone Operating Company state tariff providing Facilities for Intrastate Access.

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10. SPECIAL CONSTRUCTION (Cont'd)

10.2 Liabilities, Charges and Payments

10.2.1 General

This section describes the various charges and liabilities that apply when the Telephone Company provides Special Construction of FIA, as outlined in 10.1.1 preceding, 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, 10.1.1 preceding).

10.2.2 Payment of Charges

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

10.2.3 Start/End of Billing

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

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10. SPECIAL CONSTRUCTION (Cont'd)

10.2 Liabilities, Charges and Payments (Cont'd)

10.2.4 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.

10.2.5 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.

Under the actual cost option, if all actual costs are not available prior to the in-service date of the FIA, estimated Special Construction charges will be quoted. As soon as the actual costs are subsequently determined, the estimated charges will be adjusted to reflect the actual costs. The charges will then reflect actual costs existing at the time the FIA are provided.

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10. SPECIAL CONSTRUCTION (Cont'd)

10.2 Liabilities, Charges and Payments (Cont'd)

10.2.6 Type 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

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

The amount is equal to all nonrecoverable 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.

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10. SPECIAL CONSTRUCTION (Cont'd)

10.2 Liabilities, Charges and Payments (Cont'd)

10.2.6 Type of Contingent Liabilities (Cont'd)

(A) (Cont'd)

Prior to the expiration of an optional liability period the customer has the option to (A) extend the use of the specially constructed FIA 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 are as set forth in 10.4, 10.5 and 10.6 following.

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10. SPECIAL CONSTRUCTION (Cont'd)

10.2 Liabilities, Charges and Payments (Cont'd)

10.2.7 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) (Reserved for Future Use)

(2) Case Preparation Charge (GSEC) NASCCP

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

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10. SPECIAL CONSTRUCTION (Cont'd)

10.2 Liabilities, Charges and Payments (Cont'd)

10.2.7 Types of Charges (Cont'd)

(A) (Cont'd)

(3) Termination Charge (GSEC) NASCT

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

The charge reflects the unamortized portion of the nonrecoverable cost at the time of termination of the specially constructed FIA 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.

(4) Cancellation Charge (GSEC) NASCC

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

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10. SPECIAL CONSTRUCTION (Cont'd)

10.2 Liabilities, Charges and Payments (Cont'd)

10.2.7 Types of Charges (Cont'd)

(A) (Cont'd)

(5) Expediting Charge (GSEC) NASCE

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.

(6) Optional Payment Charge (GSEC) NASCOP

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.

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10. SPECIAL CONSTRUCTION (Cont'd)

10.2 Liabilities, Charges and Payments (Cont'd)

10.2.7 Types of Charges (Cont'd)

(A) (Cont'd)

(6) (Cont'd)

(a) Development of Optional Payment Charge

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

Example 1:

Total Installed Cost	$30,000
Nonrecoverable	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

Nonrecoverable Cost	$20,000
Minus Optional Payment Charge	13,000
Equals Investment for MTL Computation	7,000
Remaining Recoverable Excess Installed Cost	$0

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10. SPECIAL CONSTRUCTION (Cont'd)

10.2 Liabilities, Charges and Payments (Cont'd)

10.2.7 Types of Charges (Cont'd)

(A) (Cont'd)

(6) (Cont'd)

(a) (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 nonrecoverable cost of $7,000 which is the difference between the total nonrecoverable 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 10.2.7 (B) following.

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10. SPECIAL CONSTRUCTION (Cont'd)

10.2 Liabilities, Charges and Payments (Cont'd)

10.2.7 Types of Charges (Cont'd)

(A) (Cont'd)

(6) (Cont'd)

(a) (Cont'd)

Example 2:

Total Installed Cost	$30,000
Nonrecoverable 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
Nonrecoverable Cost	$10,000
Minus Optional Payment Charge	10,000
Equals Investment for MTL Computation	0
Remaining Recoverable Excess Installed Cost	$ 3,000

The Optional Payment Charge is limited to the nonrecoverable cost. In this example the Optional Payment Charge equals the nonrecoverable cost. Therefore, there is no Maximum Termination Liability. In addition, a recurring charge will be developed as set forth in 10.2.7 (B) following.

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10. SPECIAL CONSTRUCTION (Cont'd)

10.2 Liabilities, Charges and Payments (Cont'd)

10.2.7 Types of Charges (Cont'd)

(A) (Cont'd)

(6) (Cont'd)

(b) Replacement Charge (GSEC) NASCR

If any portion of the specially constructed FIA, 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 FIA. 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 FIA subject to the replacement charge fails, the FIA will not be restored until the customer orders the replacement.

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10. SPECIAL CONSTRUCTION (Cont'd)

10.2 Liabilities, Charges and Payments (Cont'd)

10.2.7 Types of Charges (Cont'd)

(A) (Cont'd)

(6) (Cont'd)

(b) (Cont'd)

Example:

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

Original Optional Payment Charge x
Replacement Cost
Total Installed Cost

$\frac{\$15,000 \times \$2,000}{\$30,000} = 1,000$

Replacement Charge $ 1,000

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10. SPECIAL CONSTRUCTION (Cont'd)

10.2 Liabilities, Charges and Payments (Cont'd)

10.2.7 Types of Charges (Cont'd)

(B) Recurring Charges

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

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

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10. SPECIAL CONSTRUCTION (Cont'd)

10.2 Liabilities, Charges and Payments (Cont'd)

10.2.7 Types of Charges (Cont'd)

(B) (Cont'd)

(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 for FIA. 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 for FIA.

Example:

A customer has an immediate FIA requirement which would require a 100 pair cable but requests the installation of a 300 pair cable to allow for growth.

Total Installed Cost (300 Pair)	$2,500
Estimated Annual Cost	$ 920
Estimated Installed Cost (100 Pair)	$1,000
Estimated Annual Cost	$ 368

Excess Recurring Charge: Annually $920 - $368 = $552

Monthly $552
12 = $46

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10. SPECIAL CONSTRUCTION (Cont'd)

10.2 Liabilities, Charges and Payments (Cont'd)

10.2.7 Types of Charges (Cont'd)

(B) (Cont'd)

(1) (Cont'd)

This charge applies until such time as the customer orders sufficient FIA to necessitate use of a larger size cable (e.g., 200 pair cable). At that time the recurring charge is adjusted as indicated in the following example:

Total Installed Cost (300 Pair)	$2,500
Estimated Annual Cost	$ 920
Estimated Installed Cost (200 Pair)	$1,900
Estimated Annual Cost	$ 683

Excess Recurring Charge: Annually $920 - $683 = $237

Monthly $237
12 = $19.75

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10. SPECIAL CONSTRUCTION (Cont'd)

10.2 Liabilities, Charges and Payments (Cont'd)

10.2.7 Types of Charges (Cont'd)

(B) (Cont'd)

(1) (Cont'd)

This charge is revised in this manner until the number of FIA 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 FIA 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) (Reserved for Future Use)

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10. SPECIAL CONSTRUCTION (Cont'd)

10.2 Liabilities, Charges and Payments (Cont'd)

10.2.7 Types of Charges (Cont'd)

(B) (Cont'd)

(3) Charge for Route or Type Other Than Normal (GSEC) ASCR/T

When the customer requests Special Construction using a route or type of FIA 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 FIA and the estimated recurring costs of the FIA the Telephone Company would normally use. The charge will be no greater than the recurring costs of the specially constructed FIA.

(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.

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10. SPECIAL CONSTRUCTION (Cont'd)

10.2 Liabilities, Charges and Payments (Cont'd)

10.2.7 Types of Charges (Cont'd)

(B) (Cont'd)

(3) (Cont'd)

(a) (Cont'd)

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.

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10. SPECIAL CONSTRUCTION (Cont'd)

10.2 Liabilities, Charges and Payments (Cont'd)

10.2.7 Types of Charges (Cont'd)

(B) (Cont'd)

(3) (Cont'd)

(a) (Cont'd)

DEVELOPMENT OF RECURRING MONTHLY CHARGE FOR OPTIONAL PAYMENTS

For example 1 see 10.2.7(A)(6)(a)

	SPECIAL ROUTE OR TYPE OF FIA NORMAL			
	A	B	C	D
	Optional Payment Nonrecurring Charge For Special Const. FIA	Specially Constructed FIA Less Nonrecurring Charges	Normal Existing Facilities	Route/Type Facilities
	$13,000	$17,000		$17,000
1. Depreciation	-	1,122		408
2. Federal Income Tax and Return	-	2,142		2,346
3. Maintenance	1,131	1,479		799
4. Administration	455	595		595
5. Other Taxes	286	37		374
6. Sub Total	1,872	-	-	-
7. 10% x Line 6	187	-	-	-
8. Totals	(A)$ 2,059	(B) $ 5,712	(C)	(D)$ 4,522

A + B = $7,771
A + B + C = 7,771
(A + B + C) - D = 3,249

Excess Recurring Charge:*Annually $3,249.00
Monthly $ 270.75

*The lower of (A+B+C)-D, or (A+B)

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10. SPECIAL CONSTRUCTION (Cont'd)

10.2 Liabilities, Charges and Payments (Cont'd)

10.2.7 Types of Charges (Cont'd)

(B) (Cont'd)

(3) (Cont'd)

(a) (Cont'd)

For example 2 see 10.2.7(A)(6)(a)

	SPECIAL ROUTE OR TYPE OF FIA			NORMAL
	A	B	C	D
Nonrecurring	Optional Payment Nonrecurring Charge For Existing FIA	Specially Constructed FIA Route/Type Charges	Normal Special Const. Facilities	Less Facilities
	$10,000	$20,000		$17,000
1. Depreciation	-	1,320		408
2. Federal Income Tax and Return	-	2,520		2,346
3. Maintenance	870	1,740		799
4. Administration	350	700		595
5. Other Taxes	220	440		374
6. Sub Total	1,440	-	-	-
7. 10% x Line 6	144	-	-	-
8. Totals	(A) $ 1,584	(B) $ 6,720	(C)	(D) $ 4,522

A + B = $8,304
A + B + C = 8,304
(A + B + C) - D = 3,782

Excess Recurring Charge:*Annually $3,782.00
Monthly $ 315.17

*The lower of (A+B+C)-D, or (A+B)

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10. SPECIAL CONSTRUCTION (Cont'd)

10.2 Liabilities, Charges and Payments (Cont'd)

10.2.7 Types of Charges (Cont'd)

(B) (Cont'd)

(3) (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 FIA.

(4) Lease Charge (GSEC) ASCL

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

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10. SPECIAL CONSTRUCTION (Cont'd)

10.2 Liabilities, Charges and Payments (Cont'd)

10.2.8 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 FIA or (B) temporary FIA.

(A) Special Construction of Permanent FIA

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

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

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

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

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10. SPECIAL CONSTRUCTION (Cont'd)

10.2 Liabilities, Charges and Payments (Cont'd)

10.2.8 Application of Charges (Cont'd)

(A) (Cont'd)

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

When the Telephone Company constructs more FIA 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 FIA Order

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

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10. SPECIAL CONSTRUCTION (Cont'd)

10.3 Deferral of the In-Service of FIA

10.3.1 General

The customer may request the Telephone Company to defer the in-service of FIA on specially constructed FIA subject to the provisions as set forth in 3.2.2(B) preceding. If the deferral is not in compliance with the provisions as set forth in 3.2.2(B), 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.

10.3.2 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.

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10. SPECIAL CONSTRUCTION (Cont'd)

10.3 Deferral of the In-Service of FIA (Cont'd)

10.3.3 Construction Has Started But Is Not Complete

If the construction of FIA 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 FIA ordered are deferred.

(A) All FIA Are Deferred

When all FIA 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 FIA already completed and any other costs associated with the deferral. The Case Preparation Charge also applies.

(B) Some But Not All FIA Are Deferred

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

10.3.4 Construction Complete

If the construction of FIA 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 will begin when the customer accepts the service.

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ACCESS SERVICES

11. SPECIAL FEDERAL GOVERNMENT FIA

11.1 General

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

FIA for command and control communications and for national security and emergency preparedness are sometimes required within a short time frame. These provisions are especially needed to meet presidential requirements or in response to natural, man made, or declared emergencies. Requirements of this type cannot be forecasted and are usually needed for a relatively short period. The provision of FIA under these conditions may require the availability of facilities, such as portable microwave equipment, etc., which are provided on a temporary basis.

11.2 Emergency Conditions

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

State of crisis declared by the National Command Authorities (includes commitments made to the National Communications System in the "National Plan for Emergencies and Major Disasters").

Efforts to protect endangered U.S. personnel or property both in the U.S. and abroad (includes space vehicle recovery and protection efforts).

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11. SPECIAL FEDERAL GOVERNMENT FIA (Cont'd)

11.2 Emergency Conditions (Cont'd)

Communications requirements resulting from hostile action, a major disaster or a major civil disturbance.

The Director (Cabinet level) of a Federal Department, Commander of a Unified/Specified Command, or Head of a Military Department has certified that a communications requirement is so critical to the protection of life and property or to the National Defense that it must be processed immediately.

Political unrest in foreign countries which affect the National Interest.

Presidential Service.

11.3 Intervals to Provide FIA

Orders for FIA may be placed under the provisions set forth in 3.2.1 preceding.

11.4 (Reserved for Future Use)

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11. SPECIAL FEDERAL GOVERNMENT FIA (Cont'd)

11.5 Safeguarding of FIA

11.5.1 (Reserved for Future Use)

11.5.2 FIA Availability

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

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

11.6 Federal Government Regulations

FIA provided to the Federal Government will be billed in arrears, as required by Federal procurement or disbursement regulations, or as established by law. ICs providing service to the Federal Government are not entitled to the benefits of those laws or regulations providing for billing the Federal Government in arrears.

11.7 (Reserved for Future Use)

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11. SPECIAL FEDERAL GOVERNMENT FIA (Cont'd)

11.8 FIA Offerings to the Federal Government

The following FIA are provided only for agencies or branches of the Federal Government. Access Services provided to the Federal Government but not specified in the following will be provided in accordance with the regulations and at the rates contained in other sections of this tariff.

11.8.1 Type and Description

(A) Voiceband Special Access

(1) Voice Grade Secure Communications Type I

Approximate bandwidth of 10-50000 Hz. Furnished for two-point secure communications on two-wire or four-wire metallic facilities between two or more customer designated locations and an end user's premises. Special Access is conditioned as follows:
T-3 Conditioning - The absolute loss (referenced to one milliwatt) with respect to frequency shall not exceed:

15 dB at 10 Hz
13 dB at 100 Hz
12 dB at 1000 Hz
20 dB at 10000 Hz
30 dB at 50000 Hz

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11. SPECIAL FEDERAL GOVERNMENT FIA (Cont'd)

11.8 FIA Offerings to the Federal Government (Cont'd)

11.8.1 Type and Description (Cont'd)

(A) (Cont'd)

(1) (Cont'd)

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

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

0 dB at 1000 Hz
± 1 dB between 1000 Hz and 40000 Hz
± 2 dB between 10 Hz and 50000 Hz (+ means more loss)

The net loss of the conditioned Special Access (with or without additional conditioning) shall not vary by more than 4 dB at 1000 Hz from the levels specified above. Voice frequency signaling or supervisory tones can be transmitted.

(2) Voice Grade Secure Communications Type II

Approximate bandwidth 10-50000 Hz. Furnished on four-wire metallic facilities for duplex operation for two-point secure communication between a customer designated location and an end user's premises. Special Access is conditioned as follows:

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11. SPECIAL FEDERAL GOVERNMENT FIA (Cont'd)

11.8 FIA Offerings to the Federal Government (Cont'd)

11.8.1 Type and Description (Cont'd)

(A) (Cont'd)

(2) (Cont'd)

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

(3) Voice Grade Secure Communications Type III

Approximate bandwidth 10-50000 Hz. Furnished on four-wire metallic facilities for duplex operation for two-point secure communication between a customer designated location and an end user's premises. Special Access is conditioned as follows:

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

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11. SPECIAL FEDERAL GOVERNMENT FIA (Cont'd)

11.8 FIA Offerings to the Federal Government (Cont'd)

11.8.1 Type and Description (Cont'd)

(A) (Cont'd)

(4) Voice Grade Secure Communications Type IV

Approximate bandwidth 10-50000 Hz. Furnished on four-wire metallic facilities for duplex operations for two-point secure communications between two customer designated locations. Special Access is conditioned as follows:

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

(B) Special Wideband Digital Special Access

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

(1) Wideband Secure Communications Type I

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

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11. SPECIAL FEDERAL GOVERNMENT FIA (Cont'd)

11.8 FIA Offerings to the Federal Government (Cont'd)

11.8.1 Type and Description (Cont'd)

(B) (Cont'd)

(2) Wideband Secure Communications Type II

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

(3) Wideband Secure Communications Type III

To accommodate the transmission of restored polar two-level facsimile signals with a minimum signal element width of 20 microseconds at a rate of 50,000 bits per second.

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

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11. SPECIAL FEDERAL GOVERNMENT FIA (Cont'd)

11.8 FIA Offerings to the Federal Government (Cont'd)

11.8.2 Mileage Application

Mileage for rate application is the airline distance measured between the two related Special Access terminating points (i.e., customer designated location and end user premises).

11.8.3 Rates and Charges

Notification will be made to the FCC that Special Federal Government FIA will be provided in accordance with Special Permission No. 83-867.

(A) Voiceband Special Access

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

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11. SPECIAL FEDERAL GOVERNMENT FIA (Cont'd)

11.8 FIA Offerings to the Federal Government (Cont'd)

11.8.3 Rates and Charges (Cont'd)

(A) (Cont'd)

Voice Grade SecureMonthly Communications Rates	Nonrecurring Charges	Termination Charges
Type I, each T-3 Conditioning	ICB rates and charges apply	
Additional Conditioning, per Special Access termination	ICB rates and charges apply	
Type II, each G-1 Conditioning	ICB rates and charges apply	
Type III, each G-2 Conditioning	ICB rates and charges apply	
Additional Conditioning, per Special Access termination	ICB rates and charges apply	
Type IV, each G-3 Conditioning	ICB rates and charges apply	
Additional Conditioning, per Special Access termination	ICB rates and charges apply	

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11. SPECIAL FEDERAL GOVERNMENT FIA (Cont'd)

11.8 FIA Offerings to the Federal Government (Cont'd)

11.8.3 Rates and Charges (Cont'd)

(B) Special Wideband Digital Special Access

Wideband Secure Communications Charges	Monthly	Nonrecurring Rates	Termination Charges
Type I, each		ICB rates and charges apply	
Type II, each		ICB rates and charges apply	
Type III, each		ICB rates and charges apply	

(C) Move Charges

When a Special Access requiring T-3 conditioning, T-3 additional conditioning, or a Special Access requiring G conditioning as set forth in (A) preceding, is moved to a different building, the nonrecurring charge applies; when moved to a new location in the same building, a charge of one-half the nonrecurring charge applies.

When any FIA for which a termination charge is specified is moved and is installed at a new location the customer may elect:

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11. SPECIAL FEDERAL GOVERNMENT FIA (Cont'd)

11.8 FIA Offerings to the Federal Government (Cont'd)

11.8.3 Rates and Charges (Cont'd)

(C) (Cont'd)

(1) to pay the unexpired portion of the termination charge for the FIA, if any, with the application of a nonrecurring charge and the establishment of a new termination charge for such FIA at the new location, or

(2) to continue the FIA subject to the unexpired portion of the termination charge, if any, and pay the estimated costs of moving such FIA, provided that the customer requests these charges be quoted prior to ordering the FIA move. Charges for moving such FIA will be based on estimated costs attributable to the move.

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

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ACCESS SERVICES

12. ACCESS CHARGE RESIDUAL ACCESS SERVICE

12.1 Statement of Concurrence

The rules and regulations for Access Charge Residual Access Service Furnished by the Telephone Company to the customers who use Telephone Company provided End Office Services, unless otherwise specified herein, are the rules and regulations set forth in the Telephone Company Tariff FCC No. 1 for Carrier Common Line Access Service. The rates for Access Charge Residual Service are set forth in 12.2 following.

The Telephone Company reserves the right to cancel and make void the above statement, subject to requirements as may be ordered by the Nebraska Public Service Commission at any such time it appears that such cancellation is in the best interest of the Telephone Company and/or their end users.

12.2 Rates and Charges

The rate for Access Charge Residual

	Rate
Access Minute, each	
- Originating	$.0000000
- Terminating	$.0000000

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13. END USER FIA

The Telephone Company will provide End User FIA to end users who obtain local telephone service from the Telephone Company under its General and/or Local tariffs and to end users and ICs that obtain FIA from the Telephone Company under this tariff.

13.1 General Description

End User FIA provides for the use of a Common Line (excluding Public Pay Telephone connections) by an end user or an IC.

Use of a Common Line is provided 24 hours a day, seven days a week.

13.2 Limitations

(A) A telephone number is not provided with End User FIA.

(B) Detail billing is not provided for End User FIA.

(C) Directory listings are not included in the rates and charges for End User FIA.

(D) Intercept arrangements are not included in the rates and charges for End User FIA.

(E) (Reserved for Future Use)

13.3 (Reserved for Future Use)

13.4 Liability

The regulations as set forth in 2.1.3 preceding apply to a customer provided with End User FIA.

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13. END USER FIA (Cont'd)

13.5 Provision and Ownership of Telephone Numbers

The customer has no property right to the telephone number assignment or any other call number designation associated with End User FIA. The Telephone Company reserves the right to assign, designate or change such numbers, or the Telephone Company serving Central Office prefixes associated with numbers, when reasonably necessary in the conduct of its business.

13.6 (Reserved for Future Use)

13.7 (Reserved for Future Use)

13.8 (Reserved for Future Use)

13.9 Payment Arrangements and Credit Allowances

13.9.1 Payment of Rates, Charges and Deposits

The regulations as set forth in 2.4.1 preceding apply to customers provided with End User FIA.

13.9.2 (Reserved for Future Use)

13.9.3 Cancellation of Application

End User FIA is cancelled when the order for the associated local telephone service is cancelled. No cancellation charges apply.

13.9.4 Changes to Orders

When changes are made to orders for the local telephone service or Switched Access associated with End User FIA, any necessary changes will be made for End User FIA. No charges will apply.

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13. END USER FIA (Cont'd)

13.9 Payment Arrangements and Credit Allowances (Cont'd)

13.9.5 Allowance for Interruptions

When there is an interruption to End User FIA, no credit will be allowed for an interruption of less than 24 hours. The customer will be credited for an interruption of 24 hours or more at the rate of 1/30th of the Common Line per month charge for End User FIA for each period of 24 hours or major fraction thereof that the interruption continues from the time of notice to the Telephone Company that an interruption has occurred.

13.9.6 Temporary Suspension of FIA

When a customer temporarily suspends its local service which is associated with a Common Line, the rate for the Common Line will not be reduced.

13.10 Rate Regulations

(A) The end user of local service will be charged the End User Access Charge.

(B) Residence rates, as set forth in 13.11 following, apply to common lines that are subject to residential rates under Telephone Company General and/or Local tariffs.

Business Single Line rates, as set forth in 13.11 following, apply to common lines that are not subject to residential rates under Telephone Company General and/or Local tariffs when only one such line is obtained by the same customer within a state from the same Telephone Company.

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13. END USER FIA (Cont'd)

13.10 Rate Regulations (Cont'd)

(B) (Cont'd)

Business Multiline rates, as set forth in 13.11 following, apply to common lines, that are used for WATS access (intrastate and interstate WATS), and to common lines that are not subject to residential rates under Telephone Company General and/or Local tariffs when more than one such line is obtained by the same customer within a state from the same Telephone Company, with the exception of Central Office located Centrex and Centrex-type services as set forth in (C) following.

A distinction should be made between multi-line and multi-party service, in that each party of a multi-party service is treated as single-party service for rate application. For example:

1) A multi-party residential subscriber with one line will be assessed the residence rate.

2) A multi-party residential subscriber with two or more terminating lines will be assessed the residence rate for each of those lines.

3) A multi-party business subscriber with one terminating line will be assessed the business single line rate.

4) A multi-party business subscriber with two or more terminating lines will be assessed the business multi-line rate for each of those lines.

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13. END USER FIA (Cont'd)

13.10 Rate Regulations (Cont'd)

(C) Central Office located Centrex and Centrex-type services, Centrex lines in use or on order as of July 27, 1983, are rated as set forth in 13.11 following for Centrex I. All other Centrex lines are rated as set forth in 13.11 following for Business Multiline.

Central Office located Centrex Dormitory (Residential) Service is a service to a college, university or school that serves the students or faculty dormitory (residential) quarters. Residence rates, as set forth in 13.11 following, apply to Common Lines used to provide Centrex Dormitory Service.

(D) For service provided as Remote Call Forwarding, residential or business, under the General and/or Local exchange service tariffs, End User Access charges do not apply.

(E) Common Line costs for Public Pay Telephones and related facilities that are available to the general public for convenience and necessity are provided for as set forth for Public Pay Telephone in 12. preceding. Semi-public Pay Telephone Common Lines and related facilities are rated as Business Single Line or Business Multiline as set forth in 13.10 (B) preceding.

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13. END USER FIA (Cont'd)

13.11 Rates and Charges

Monthly rates for Common Lines are as follows:

Per Common Line Business Single Line Business Multi-Line Monthly Rate (GSEC)	and Residence Monthly Rate (ACL CTX1)	Centrex I Monthly Rate
None	None	None

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14. EXCEPTIONS TO FIA OFFERINGS

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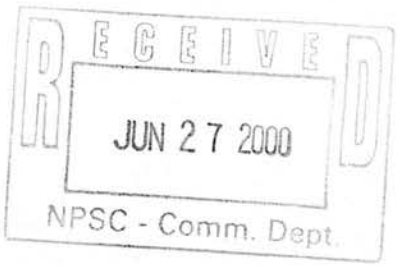
15. (Reserved for Future Use)



16. ADVANCED COMMUNICATIONS NETWORKS

16.1 General

This section contains the rules and regulations pertaining to the provision of Frame Relay Service. The regulations and rates specified herein are in addition to the applicable regulations and rates specified in other sections of this tariff.

16.2 (Reserved for Future Use)

16.3 Frame Relay Service** (C)

(A) Service Description

Frame Relay Service (FRS) is a "fast packet" network service that permits the transmission of data at speeds of 56/64* Kbps, 128 Kbps, 256 Kbps, 384 Kbps, DS1, or DS3 using Permanent Virtual Circuits (PVCs).

PVCs are logical circuits that define a specific path for data sent by the customer to another location. These circuits are virtual because they are established in software tables and do not tie up capacity when not in use. This also allows multiple paths (PVCs) to be defined on any given port, thereby providing a single access line the capability to transmit data to multiple destinations.

In operation of Frame Relay Service, customer premises equipment, such as routers, encapsulate arriving data into variable length frames. These frames contain information identifying which PVC in the network should be used to forward the frame to the proper destination. The customer premises equipment then sends the frame into the Frame Relay network. The Frame Relay switch reads identifying information and routes the frame to the proper destination based on a pre-established PVC path.

* Upon request and where available

** Effective May 31, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for Frame Relay Services. Upon service term expiration, these services will transition to a Month-to-Month service arrangement. (N) (N)

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16. ADVANCED COMMUNICATIONS NETWORKS (Cont'd)

16.3 Frame Relay Service** (Cont'd) (C)

(A) (Cont'd)

The statistical multiplexing Frame Relay switches are able to provide shared network resources to end users of this service.

Frame Relay Service conforms to ITU-T (Telecommunication Standardization Bureau of the International Telecommunication Union formerly Consultative Committee for International Telegraph and Telephone ([CCITT]) and American National Standards Institute (ANSI) publications T1.602, T1.606, T1.617 and T1.618.

The Committed Information Rate (CIR) and the Maximum Burst Size (Be) are traffic management parameters that allow the customer to fine tune implementation of Frame Relay Service.

The Optional Payment Plan (OPP) arrangements are available as set forth under 16.3.(E)(4).

(B) Service Provisioning

Frame Relay is a transport service that facilitates the exchange of variable length information units (frames) between end user connections by way of assigned virtual connections. Each frame is passed to the Frame Relay network with an address that specifies the virtual connection.

Variable frame length capability is useful in communications between asynchronous Local Area Networks (LANs) and for transport of synchronous data traffic. Frame Relay is capable of handling the requirements of bursty data sources because of the ability of the service to allocate additional bandwidth when not in use by other sources.

** Effective May 31, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for Frame Relay Services. Upon service term expiration, these services will transition to a Month-to-Month service arrangement. (N) (N)

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16. ADVANCED COMMUNICATIONS NETWORKS (Cont'd)

16.3 Frame Relay Service** (Cont'd) (C)

(B) (Cont'd)

Frame Relay is provided to the customer in the form of the Frame Relay User-to-Network Interface (UNI) Port with Access Line, or Frame Relay UNI Port Only, Frame Relay Network-to-Network (NNI) Port Only, Frame Relay Public NNI based on Committed Information Rate (CIR), and CIR-based Permanent Virtual Circuits (PVCs). The Frame Relay Access Line forms the component which provides the customer access to the customer's serving wire center and interoffice transport from the customer's serving wire center to the Frame Relay Switch. The Frame Relay Access line is provided for use only with Frame Relay Service and where pre-established by the Telephone Company. DS3 Frame Relay Service is not offered bundled with the Frame Relay Access Line. DS3 Frame Relay Service is available on a UNI or NNI port only basis and the DS3 access line is obtained from Section 5. The Frame Relay UNI or NNI Port Only offerings are provided for digital special access line connections to the network supporting Frame Relay Service. Digital special access lines are available from Section 5.

** Effective May 31, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for Frame Relay Services. Upon service term expiration, these services will transition to a Month-to-Month service arrangement. (N) (N)

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16. ADVANCED COMMUNICATIONS NETWORKS (Cont'd)

16.3 Frame Relay Service** (Cont'd) (C)

(B) (Cont'd)

PVCs are provisioned on either 56/64 Kbps, 128 Kbps, 256 Kbps, 384 Kbps, DS1 or DS3 ports, depending upon the customer's networking requirements. The actual throughput of aggregated PVC bandwidths in use at the same time on the same port cannot exceed the port speed. Since all PVCs need not be in use at the same time it is possible for the total bandwidth of all CIR-PVCs associated with one Frame Relay Access Line to exceed the bandwidth of that Frame Relay Access Line. This is referred to as over-subscription and when this occurs, there can be no guarantee that the CIR defined for that port and PVC will be available at any point in time.

No PVC can have a CIR greater than the lower of the two port speeds connected by the PVC segment.

A PVC must be associated with at least one Frame Relay Port. A Frame Relay Port can be associated with multiple PVCs.

A customer subscribing to a FRS port or port with access line will be referred to as the Controller of the Frame Relay Port. A separate entity may subscribe, with written authorization from the Controller, to a PVC which allows communication between entities. A disconnect of a PVC does not result in the disconnect of the underlying access line and port. Only the Controller may order the disconnect of the Frame Relay Access Service. Both customers must have a Frame Relay Service. The Controller of each Frame Relay Access Service must have written permission from the Controller(s) of each of the Frame Relay Services to which a PVC is requested.

The Frame Relay Port with CIR-PVC capacity may be ordered and billed separately from an associated frame relay port and PVC and can have different customers as Controllers.

** Effective May 31, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for Frame Relay Services. Upon service term expiration, these services will transition to a Month-to-Month service arrangement. (N) (N)

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16. ADVANCED COMMUNICATIONS NETWORKS (Cont'd)

16.3 Frame Relay Service** (Cont'd) (C)

(B) (Cont'd)

The Committed Information Rate (CIR) and Maximum Burst Size (Be) are traffic management parameters that allow the customer to fine tune implementation of Frame Relay Service.

The Telephone Company does not undertake to originate data, but offers the use of its service components, where available, to customers for the purpose of transporting customer-originated data.

Frame Relay Service is available where facilities and conditions permit.

Occasionally, in order to perform software updates and other maintenance, it may be necessary to take the Frame Relay Switch out of service, during the predetermined maintenance window 12:01am to 06:00am. In these cases, all attempts will be made to notify the customer in advance as to the time and duration of these outages. The Telephone Company reserves the right to temporarily interrupt Frame Relay Service at other times in emergency situations.

** Effective May 31, 2022, Frontier will no longer support Moves, Adds or Changes nor new installations for Frame Relay Services. Upon service term expiration, these services will transition to a Month-to-Month service arrangement. (N) | (N)

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