THE UNITED
TELEPHONE COMPANY
OF PENNSYLVANIA LLC
d/b/a CenturyLink

RATES AND RULES
Governing the Furnishing of Intrastate Access Service
In Pennsylvania

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600 New Century Pkwy, New Century, Kansas 66031

This filing revises rates in accordance with the FCC ICC Phase 7.
LIST OF CHANGES MADE BY THIS TARIFF

Section 6
Sixth Revised Page 214.2 – Decreased Terminating End Office rates per FCC ICC Order.

Section 18
Third Revised Page 18-11 – Decreased Terminating End Office rates per FCC ICC Order.

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NO CONCURRING CARRIERS

CONNECTING CARRIERS

NO CONNECTING CARRIERS

OTHER PARTICIPATING CARRIERS

NO OTHER PARTICIPATING CARRIERS

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EXPLANATION OF SYMBOLS

(C) - Indicates Change
(R) - Indicates Decrease Rate
(I) - Indicates Increase Rate

EXPLANATION OF ABBREVIATIONS

ABS - Alternate Billing Service
ac - alternating current
AML - Actual Measured Loss
ANI - Automatic Number Identification
ASR - Access Service Request
AT&T - American Telephone and Telegraph Company
AUL - Annual Underutilization Liability
BD - Business Day
BNS - Billed Number Screening
CCS/SS7 - Common Channel Signaling/Signaling System 7
CI - Channel Interface
CNCC - Customer Network Control Center
CO - Central Office
COCTX - Central Office Centrex
Cont’d - Continued
CSACC - Customer Service Administration Control Center
Ctx - Centrex
DA - Digital Data Access
Db - decibel
DBrnC - Decibel Reference Noise C-Message Weighted O
Dc - direct current
EML - Expected Measured Loss
ESS - Electronic Switching System
ESSX - Electronic Switching System Exchange
EUCL - End User Common Line
F - frequency
F.C.C. - Federal Communications Commission
FX - Foreign Exchange
GAR - Geographically Aggregated Rate
HC - High Capacity
Hz - Hertz
IC - Intrastate Customer
ICB - Individual Case Basis
ILP - Initial Liability Period
Kbps - kilobits per second
kHz - kilohertz
LATA - Local Access and Transport Area
LIDB - Line Information Data Base
LDMTS - Long Distance Message Telecommunications Service(s)
Ma - milliamperes
Mbps - Megabits per second
MHz - Megahertz

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<tr>
<td>TSP</td>
<td>Telecommunications Service Priority (TSP) System</td>
</tr>
<tr>
<td>TSPS</td>
<td>Traffic Service Position System</td>
</tr>
<tr>
<td>USOC</td>
<td>Uniform Service Order Code</td>
</tr>
<tr>
<td>VG</td>
<td>Voice Grade</td>
</tr>
<tr>
<td>VoIP</td>
<td>Voice over Internet Protocol</td>
</tr>
<tr>
<td>V &amp; H</td>
<td>Vertical &amp; Horizontal</td>
</tr>
<tr>
<td>WATS</td>
<td>Wide Area Telecommunications Service(s)</td>
</tr>
</tbody>
</table>

(C) Indicates Change

Issued: June 13, 2012  Effective: July 13, 2012
REFERENCE TO OTHER TARIFFS

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

The following tariffs are referenced in this tariff:

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

   CenturyLink Operating Companies Tariff F.C.C. No. 9   (C)

(C) Indicates Change

Issued: May 24, 2011                   Effective: May 25, 2011
1. Application of Tariff

1.1 This tariff contains regulations, rates and charges applicable to the provision of Carrier Common Line, End User Access, Switched Access and Special Access Services, and other miscellaneous services, hereinafter referred to collectively as service(s), provided by The United Telephone Company of Pennsylvania, hereinafter referred to as the Telephone Company to Customer(s).

1.2 The provision of such services by the Telephone Company as set forth in this tariff does not constitute a joint undertaking with the IC for the furnishing of any service.
2. **General Regulations**

2.1 **Undertaking of the Telephone Company**

2.1.1 **Scope**

(A) The Telephone Company will provide services under this tariff only to Customers in connection with their use and/or provision of intrastate communications service.

(B) The Telephone Company does not undertake to transmit messages under this tariff.

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

(D) The Telephone Company will, for maintenance purposes, test its services only to the extent necessary to detect and/or clear troubles.

(E) Services are provided 24 hours daily, seven days per week, except as set forth in other applicable sections of this tariff.

(F) The Telephone Company does not warrant that its facilities and services meet standards other than those set forth in this tariff.

2.1.2 **Limitations**

(A) The customer may not assign or transfer the use of services provided under this tariff; however, where there is no interruption of use or relocation of the services, such assignment or transfer may be made to:

(1) another customer, whether an individual, partnership, association or corporation, provided the assignee or transferee assumes all outstanding indebtedness for such services, and the unexpired portion of the minimum period and the termination liability applicable to such services, if any; or

(2) a court appointed receiver, trustee or other person acting pursuant to law in bankruptcy, receivership, reorganization, insolvency, liquidation or other similar proceedings, provided the assignee or transferee assumes the unexpired portion of the minimum period and the termination liability applicable to such services, if any.
2. General Regulations (Cont'd)

2.1 Undertaking of the Telephone Company

2.1.2 Limitations (Cont'd)

(A) (Cont'd)

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

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

(B) The installation, use, and restoration of services shall be in accordance with Part 64, Subpart D, of the Federal Communications Commission's Rules and shall be subject to the regulations set forth following in Section 13.3.9 Telecommunications Service Priority (TSP) System

(C) When facilities or equipment are not available the Telephone Company will engineer for construction of the facilities within a normal engineering and construction period for the type of plant or the customer may request service under Section 12, Specialized Service or Arrangements, of this tariff.

2.1.3 Liability

(A) The Telephone Company's liability, if any, for its willful misconduct is not limited by this tariff. With respect to any other claim or suit, by a customer or by any others, for damages associated with the installation, provision, preemption, termination, maintenance, repair or restoration of service, and subject to the provisions of (B) through (I) following, the Telephone Company's liability, if any shall not exceed an amount equal to the proportionate

Issued: September 28, 1995
Effective: November 27, 1995
2. **General Regulations (Cont'd)**

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

2.1.2 **Limitations (Cont'd)**

(A) (Cont'd)

charge for the service for the period during which the service was affected. This liability for damages shall be in addition to any amounts that may otherwise be due the customer under this tariff as a Credit Allowance for a Service Interruption.

(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)

(D) The Telephone Company is not liable for damages to the customer premises resulting from the furnishing of a service, including the installation and removal of equipment and associated wiring, unless the damage is caused by the Telephone Company's negligence.

(E) The Telephone Company shall be indemnified, defended and held harmless by the End User against any claim, loss or damage arising from the End User's use of services offered under this tariff, involving:

(1) Claims for libel, slander, invasion of privacy, or infringement of copyright arising from the end user's own communication;

(2) Claims for patent infringement arising from the end user's arts combining or using the service furnished by the Telephone Company in connection with facilities or equipment furnished by the end user or IC; or,

(3) All other claims arising out of any act or omission of the end user in the course of using services provided pursuant to this tariff.
2. **General Regulations (Cont'd)**

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

2.1.3 **Liability (Cont'd)**

(F) The Telephone Company shall be indemnified, defended and held harmless by the IC against any claim, loss or damage arising from the IC's use of services offered under this tariff, involving:

1. Claims for libel, slander, invasion of privacy, or infringement of copyright arising from the IC's own communications;

2. Claims for patent infringement arising from the IC's acts combining or using the service furnished by the Telephone Company in connection with facilities or equipment furnished by the end user or IC; or,

3. All other claims arising out of any act or omission of the IC in the course of using services provided pursuant to this tariff.

(G) No license under patents (other than the limited license to use) is granted by the Telephone Company or shall be implied or arise by estoppel, with respect to any service offered under this tariff. The Telephone Company will defend the customer against claims of patent infringement arising solely from the use by the customer of services offered under this tariff and will indemnify such customer for any damages awarded based solely on such claims.

(H) The Telephone Company's failure to provide or maintain services under this tariff shall be excused by labor difficulties, governmental orders, civil commotions, criminal actions taken against the Telephone Company, acts of God and other circumstances beyond the Telephone Company's reasonable control, subject to the Credit Allowance for a Service Interruption as set forth in 2.4.4 following.
2. General Regulations (Cont'd)

2.1 Undertaking of the Telephone Company

2.1.4 Provision of Services

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

2.1.5 Installation and Termination of Services

The services provided under this tariff (A) will include any entrance cable or drop wiring and wire or intrabuilding cable to that point where provision is made for termination of the Telephone Company's outside distribution network facilities at a suitable location inside a customer-designated premises and (B) will be installed by the Telephone Company to such Point of Termination. Wire required within a building to extend Access Service facilities will be provided, at the Customer's request, on a time sensitive charge basis. The labor rates for the installation of such wire are the same as those set forth in Section 13.2.6(B) following for Other Labor.

2.1.6 Maintenance of Services

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

(C) Indicates Change
2. General Regulations (Cont'd)

2.1 Undertaking of the Telephone Company

2.1.7 Changes and Substitutions

Except as provided for equipment and systems subject to FCC Part 68 regulations at 47 C.F.R. Section 68.110(b), the Telephone Company may, where such action is reasonably required in the operation of its business, (A) substitute, change or rearrange any facilities used in providing service under this tariff, including but not limited to:

(1) substitution of different metallic facilities,

(2) substitution of carrier or derived facilities for metallic facilities used to provide other than metallic facilities, and

(3) substitution of metallic facilities for carrier or derived facilities used to provide other than metallic facilities.

(B) change minimum protection criteria,

(C) change operating or maintenance characteristics of facilities, or

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

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

2.1 Undertaking of the Telephone Company (Cont'd)

2.1.8 Refusal and Discontinuance of Service

(A) If a customer fails to comply with the provisions set forth in this tariff, including any payments to be made by it on the dates and times herein specified, the Telephone Company may, on thirty (30) days written notice by Certified U.S. Mail to the person designated by that customer to receive such notice of noncompliance, refuse additional applications for service and/or refuse to complete any pending orders for service by the non-complying customer at any time thereafter.

If the Telephone Company does not refuse additional applications for service on the date specified in the thirty (30) days notice, and the customer's noncompliance continues, nothing contained herein shall preclude the Telephone Company's right to refuse additional applications for service to the non-complying customer without further notice.

Certain material previously appearing on this page now appears on Page 23.1.

(C) Indicates Change

Issued: July 20, 2000
Effective: July 21, 2000
ACCESS SERVICE

2. General Regulations (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

2.1.8 Refusal and Discontinuance of Service (Cont'd)

(B) If a customer fails to comply with the provisions set forth in this tariff, including any payments to be made by it on the dates and times herein specified, the Telephone Company may, on thirty (30) days written notice by Certified U.S. Mail to the person designated by that customer to receive such notices of noncompliance, discontinue the provision of the services to the non-complying customer at any time thereafter. In the case of such discontinuance, all applicable charges, including termination charges, shall become due. If the Telephone Company does not discontinue the provision of the services involved on the date specified in the thirty (30) days notice, and the customer's noncompliance continues, nothing contained herein shall preclude the Telephone Company's right to discontinue the provision of the services to the non-complying customer without further notice.

2.1.9 Reserved For Future Use

2.1.10 Limitation of Use of Metallic Facilities

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

2.1.11 Notification of Service-Affecting Activities

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

(C) Indicates Change

Issued: August 23, 2001

Effective: August 24, 2001
2. General Regulations (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

2.1.11 Notification of Service-Affecting Activities (Cont'd)

2.1.12 Coordination with Respect to Network Contingencies

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

2.1.13 Provision and Ownership of Telephone Numbers

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

2.2 Use

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

Certain material previously appearing on this page now appears on Page 25.

(C) Indicates Change

Issued: July 20, 2000
Effective: July 21, 2000
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 the FCC Part 68 rules in 47 C.F.R. §68.108, if such characteristics or methods of operation are not in accordance with (A) preceding, the Telephone Company will, where practicable, notify the customer that temporary discontinuance of the use of a service may be required; however, where prior notice is not practicable, nothing contained herein shall be deemed to preclude the Telephone Company's right to temporarily discontinue forthwith the use of a service if such action is reasonable under the circumstances. In case of such temporary discontinuance, the customer will be promptly notified and afforded the opportunity to correct the condition which gave rise to the temporary discontinuance. During such period of temporary discontinuance, credit allowance for service interruptions as set forth in 2.4.4 following is not applicable.

2.2.3 Unlawful Use

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

2.3 Obligations of the Customer

2.3.1 Damages

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

2.3 Obligations of the Customer (Cont'd)

2.3.2 Ownership of Facilities and Theft

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

2.3.3 Equipment Space and Power

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

2.3.4 Reserved For Future Use

2.3.5 Reserved For Future Use

2.3.6 Availability for Testing

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

2.3.7 Balance

All signals for transmission over the services provided under this tariff shall be delivered by the customer balanced to ground except for ground start, duplex (DX) and McCulloh-Loop (Alarm System) type signaling.

Issued: July 20, 2000

Effective: July 21, 2000
2. **General Regulations (Cont'd)**

2.3 **Obligations of the Customer (Cont'd)**

2.3.8 **Design of Customer Services**

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

2.3.9 **References to the Telephone Company**

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

2.3.10 **Reserved for Future Use**

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 services provided under this tariff, any circuit, apparatus, system or method provided by the customer.

(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 services provided under this tariff, including, without limitation, Workmen's Compensation claims, actions for infringement of copyright and/or unauthorized use of program material, libel and slander actions based on the content of communications transmitted over the customer's circuits, facilities or equipment, and proceedings to recover taxes, fines, or penalties for failure of the customer to obtain or maintain in effect any necessary certificates, permits, licenses, or other authority to acquire or operate the services provided under this tariff; provided, however, the foregoing indemnification shall not apply to suits, claims, and demands to recover damages for damage to property, death, or personal injury unless such suits, claims or demands are based on the tortious conduct of the customer, its officers, agents or employees.

*Italicized material now appearing on this page previously appeared on Third Revised Page 30.*

(C) **Indicates Change**

*Issued: March 14, 2001  Effective: March 15, 2001*
2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.11 Claims and Demands for Damages (Cont'd)

2.3.12 Reserved For Future Use

2.3.13 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 that affect telecommunications services.

2.3.14 Jurisdictional Report Requirements

(A) Percent Interstate Usage (PIU)

(1) Pursuant to Federal Communications Commission order F.C.C. 85-145 adopted April 16, 1985, interstate usage is to be developed as though every call that enters a customer network from a calling location within the same state as that in which the called station (as designated by the called station number) is situated is an intrastate communication and every call for which the point of entry is in a state other than that where the called station (as designated by the called station number) is situated is an interstate communication. The manner in which a call is routed through the telecommunications network does not affect the jurisdiction of a call, i.e., a call between two points within the same state is an intrastate communication even if the call is routed through another state.

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

(B) Jurisdictional Reports

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

(C) Indicates Change

Issued: May 16, 2014
Effective: July 1, 2014
2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.14 Jurisdictional Report Requirements (Cont’d)

(B) Jurisdictional Reports (Cont’d)

When the Telephone Company receives insufficient call detail to identify the calling station to determine the jurisdiction, the Telephone Company will charge the applicable rates for terminating switched access as set forth in this Tariff. It is not possible for customers using multifrequency address signaling to transmit calling party number (CPN) to interconnecting carriers. In addition, there may be a percentage of usage where it is not possible for customers using CCS7 to know, and therefore to send to the Telephone Company, the needed originating information. Accordingly, the Telephone Company will charge the intrastate terminating switched access rates to customers using CCS7 only for those minutes lacking originating information that are in excess of the average percentage of minutes for which CPN is not transmitted, initially 20% (the “floor”). For example, if 40% of a customer’s minutes sent to the Telephone Company do not contain sufficient originating information to allow the Telephone Company to determine the originating location, then the Telephone Company would apply these provisions to those minutes exceeding the “floor,” or 20% in this example. The Telephone Company will apply the customer’s provided PIU to the residual traffic that does not apply to the provision of this tariff section (80% in this example).

Minor fluctuations in the “floor” are expected. As a result, the Telephone Company will not apply charges based on the floor when the customer’s percentage of calls lacking sufficient originating information is within 5 percentage points of the floor.

(C) Indicates Change

Issued: May 16, 2014
Effective: July 1, 2014
2. **General Regulations (Cont'd)**

2.3 **Obligations of the Customer (Cont'd)**

2.3.14 **Jurisdictional Report Requirements (Cont’d)**

(B) **Jurisdictional Reports (Cont’d)**

The Telephone Company will recalculate the overall switched access customer average “floor” quarterly. In the event that the Telephone Company applies the intrastate terminating access rates to calls without sufficient originating information as specified herein, customers will have the opportunity to request backup documentation of the Telephone Company’s basis for such application. The customer can request that the Telephone Company change the application of the intrastate access rates upon an acceptable showing of why the intrastate rate should not be applied.

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

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

(2) For single connection arrangements, the interstate Feature Group A, Feature Group B, and/or TFC Access Service information reported as set forth in (1) preceding will be used to determine the charges. The number of access minutes (either the measured minutes or the assumed minutes) for a connection will be multiplied by the projected interstate percentage to develop the interstate access minutes. The number of access minutes for the connection minus the developed interstate access minutes for the connection will be the developed intrastate access minutes.
2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.14 Jurisdictional Report Requirements (Cont'd)

(B) Jurisdictional Reports (Cont'd) (C)

(3) For multiline hunt group or trunk group arrangements, the interstate Feature Group A, Feature Group B, and/or TFC Access Service information reported as set forth in (1) preceding will be used to determine the charges. The number of access minutes (either the measured minutes or the assumed minutes) for a service will be multiplied by the projected interstate percentage to develop the interstate access minutes. The number of access minutes for the service minus the developed interstate access minutes for the service will be the developed intrastate access minutes. (C)
2. **General Regulations (Cont'd)**

2.3 **Obligations of the Customer (Cont'd)**

2.3.14 **Jurisdictional Report Requirements (Cont'd)**

(B) **Jurisdictional Reports (Cont'd)**

(C) **Indicates Change**

(4) When a customer orders Feature Group D, TFC or 900 Access Services, the projected interstate percentage will be determined as follows:

(a) For originating Feature Group D used in the provision of MTS/MTS-like service, the Telephone Company will determine the projected interstate percentage of use from the call detail.

(b) Reserved for future use
2. General Regulations (Cont’d)

2.3 Obligations of the Customer (Cont’d)

2.3.14 Jurisdictional Report Requirements (Cont’d)

(B) Jurisdictional Reports (Cont’d)

(4) When a customer...(Cont’d)

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

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

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

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

(C) Indicates Change
2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.14 Jurisdictional Report Requirements (Cont'd)

(B) Jurisdictional Reports (Cont'd) (C)

(5) When a customer orders Directory Assistance Service, the customer shall state in its order the projected interstate percentage for terminating use for each Directory Access Service group ordered. (A method the customer may wish to adopt could be to use its terminating traffic from its premises to the involved Directory Assistance Location and calculate the projected interstate percentage as set forth in (4) preceding.) The Telephone Company will designate the number obtained by subtracting the projected interstate percentage furnished by the customer from 100 (100 – customer provided interstate percentage = intrastate percentage) as the projected intrastate percentage of use.

(6) Except where Telephone Company measured access minutes are used as set forth in (4) preceding, the customer reported number of interstate services or interstate percentage of use as set forth in (1), (4), or (5) preceding will be used until the customer reports a different projected interstate percentage for an in-service end office. When the customer adds or discontinues lines or trunks to an existing end office, the customer shall furnish an updated projected interstate percentage that applies to the end office. The revised report will serve as the basis for future billing and will be effective on the next bill date. No prorating or back billing will be done based on the report.

(C) Indicates Change

Issued: December 28, 2000  Effective: December 29, 2000
2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.14 Jurisdictional Report Requirements (Cont'd)

(B) Jurisdictional Reports (Cont'd) (C)

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

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

The LIDB Access Service PIU Report must be provided to the Telephone Company upon ordering service, and thereafter, on a quarterly basis. Provisions for updating the interstate and intrastate jurisdictional report are as specified in 2.3.14(B)(8) and will also apply for the LIDB Access Service PIU Report.

Verification provisions as specified in 2.3.14(C) will also apply for the LIDB Access Service PIU Report.

(8) Effective on the first of January, April, July, and October of each year, the customer shall provide a revised jurisdictional report showing the interstate and intrastate percentage of use for the past three months ending the last day of December, March, June, and September, respectively, for each service arranged for interstate use. The customer shall forward the revised report to the Telephone Company, to be received no later than 15 days after the first of each such month, (i.e., January, April, July, and October). The revised report will serve as the basis for the next three months billing (i.e., beginning the first of February, May, August, and November) and will be effective on the customer's bill date for that service. No prorating or back billing will be done based on the report.
ACCESS SERVICE

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.14 Jurisdictional Report Requirements (Cont'd)

(B) Jurisdictional Reports (Cont'd) (C)

(8) (Cont'd)

If the customer does not supply the revised reports, the Telephone Company will assume the percentages to be the same as those provided in the last quarterly report. For those cases in which a quarterly report has never been received from the customer, the Telephone Company will assume the percentages to be the same as those provided in the order for service as set forth in (1), (4) and (5) preceding.

(9) Entrance Facility and Direct-Trunked Transport

Entrance Facility and Direct-Trunked Transport will be made available on April 1, 2000 in conformance with the restructure of Local Transport. In order to provide these new services on April 1, 2000, customers of Switched Access services must provide new Percent Interstate Usage (PIU) factors that reflect all Switched Access services using these restructured facilities.

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

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

(C) Indicates Change
ACCESS SERVICE

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.14 Jurisdictional Report Requirements (Cont'd)

(B) Jurisdictional Reports (Cont'd) (C)

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

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

The Entrance Facility and Direct-Trunked Transport PIU Report must be provided to the Telephone Company upon ordering service, and thereafter, on a quarterly basis. Provisions for updating the interstate and intrastate jurisdictional report as specified in 2.3.14(B)(8) preceding will also apply for the Entrance Facility and Direct-Trunked Transport PIU Report.

The verification provisions specified in 2.3.14(C) following will also apply for the Entrance Facility and Direct-Trunked Transport PIU Report.

(C) Jurisdictional Report Verification

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

(C) Indicates Change

Issued: December 28, 2000

Effective: December 29, 2000
The Telephone Company shall limit audits to no more than one per year, except where additional audits may be required to verify allocation changes which represent a five percent shift from the customer's most recent reported figures, and such change is not the result of seasonal shifts or other identifiable reasons. The customer may request that verification audits be conducted by an independent auditor. In such cases the associated auditing expenses will be paid by the customer.

In the event that the customer fails to provide adequate records to enable the Telephone Company or an independent auditor to conduct an audit verifying the customer's PIU, the Telephone Company will bill the usage for all the contested periods using the PIU reported by the customer for the previous period. This PIU will remain in effect until the customer provides the call detail records from which the percentage of interstate and intrastate use can be derived. No prorating or back billing will be done based on the newly derived factor.
2. **General Regulations (Cont'd)**

2.3 **Obligations of the Customer (Cont'd)**

2.3.15 **Determination of Intrastate Charges for Mixed Interstate and Intrastate Access Service and/or LIDB Access Service**

When mixed interstate and intrastate Access Service and/or LIDB Access Service is provided, all charges (i.e., nonrecurring, monthly and/or usage) including optional features charges, will be prorated between interstate and intrastate. The percentage provided in the reports as set forth in 2.3.14 preceding will serve as the basis for prorating the charges. The percentage of an Access Service to be charged as intrastate is applied in the following manner:

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

(B) For usage sensitive (i.e., access minutes calls and queries) chargeable rate elements, multiply the percent intrastate use times actual use (i.e., measured or Telephone Company assumed average use) times the stated tariff rate.

The intrastate percentage will change as revised usage reports are submitted as set forth in 2.3.14 preceding.

(C) Indicates Change

Issued: December 28, 2000  
Effective: December 29, 2000
2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.16 Identification and Rating of VoIP-PSTN Traffic

(A) Scope

VoIP-PSTN Traffic is defined as traffic exchanged between a Telephone Company end user and the customer in Time Division Multiplexing ("TDM") format that originates and/or terminates in Internet Protocol ("IP") format. This section governs the identification and compensation of VoIP-PSTN Traffic that is required to be compensated at access rates, unless the parties have agreed otherwise, by the Federal Communications Commission in its Report and Order in WC Docket Nos. 10-90, etc., FCC Release No. 11-161 (November 18, 2011) ("FCC Order"). Specifically this section establishes the method of separating VoIP-PSTN Traffic from the customer's traditional intrastate access traffic, so that VoIP-PSTN Traffic can be billed in accordance with the FCC Order.

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

- Between the Initial Implementation date described in 2.3.16.(D)(1) and July 12, 2012, the applicable rate elements used in providing originating access for VoIP-PSTN Traffic and associated facilities will be billed according to interstate access rates.
- Effective July 13, 2012 the applicable rate elements used in providing originating access for intrastate VoIP-PSTN Traffic and associated facilities will be billed according to intrastate access rates. The applicable rate elements used in providing originating access for interstate VoIP-PSTN Traffic and associated facilities will be billed according to interstate access rates.
- Effective July 1, 2014 the applicable rate elements used in providing originating access for intrastate VoIP-PSTN Traffic and associated facilities will be billed according to interstate access rates.
- After the Initial Implementation date described in 2.3.16.(D)(1), terminating VoIP-PSTN Traffic and associated facilities will be billed according to interstate access rates.
2.3.16 Identification and Rating of VoIP-PSTN Traffic (Cont’d)

(B) VoIP-PSTN Traffic and associated facilities identified in accordance with this tariff section will be billed at rates equal to the Telephone Company’s applicable tariffed interstate switched access rate as specified in Section 18 when applicable based on the schedule shown above.

(C) Calculation and Application of Percent VoIP Usage Factors

(1) Telephone Company will determine the number of VoIP-PSTN Traffic minutes of use (“MOU”) to which interstate rates will be applied under (B) preceding, by applying an originating Percent VoIP Usage (“PVU”) factor to the total intrastate access MOU originated by a Telephone Company end user and delivered to the customer and by applying a terminating PVU factor to the total intrastate access MOU terminated by a customer to the Telephone Company’s end user.

(2) The Company will use state average data and the customer provided Facility PVU to determine the monthly recurring credit for terminating VoIP-PSTN Traffic.

(3) The customer will calculate and furnish to the Telephone Company an originating PVU factor representing the whole number percentage of the customer’s total originating intrastate access MOU that the customer exchanges with the Telephone Company in the state that is received from the Telephone Company and that is terminated in IP format and that would be billed by the Telephone Company as intrastate access MOU.

(4) The customer will calculate and furnish to the Telephone Company a terminating PVU factor representing the whole number percentage of the customer’s total terminating intrastate access MOU that the customer exchanges with the Telephone Company in the state that is sent to the Telephone Company and which originated in IP format and that would be billed by the Telephone Company as intrastate access MOU.
ACCESS SERVICE

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

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

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

(5) The customer will calculate and furnish to the Company a Facility PVU factor representing the whole number percentage of the customer’s total monthly recurring switched transport charges that are associated with the intrastate access MOU included in the PVU factor.

(6) The customer shall not modify their reported PIU factor to account for VoIP-PSTN traffic.

(7) The customer provided originating PVU, the terminating PVU and the Facility PVU shall be based on information such as the number of the customer’s retail VoIP subscriptions in the state (e.g. as reported on FCC Form 477), traffic studies, actual call detail or other relevant and verifiable information which will be provided to Telephone Company upon request.

(8) The customer shall retain the call detail, work papers and information used to develop the PVU factors for a minimum of one year.

(9) If the customer does not furnish the Telephone Company with a PVU factor, the Telephone Company will utilize a PVU equal to zero.

Certain material previously appearing on this page now appears on Original Page 33.5.1.

(C) Indicates Change

Issued: June 13, 2012 Effective: July 13, 2012
2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

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

(D) Initial Implementation of PVU Factors

(1) If the PVU factors cannot be implemented in the Telephone Company's billing systems by December 29, 2011, once the factors can be implemented, the Telephone Company will adjust the customer's bills to reflect the PVU factors prospectively in the next bill period, if the PVU factors are provided by the customer to the Telephone Company prior to April 15, 2012.

(2) The Telephone Company may choose to provide credits based on the reported PVU factors on a quarterly basis until such time as the billing system modifications can be implemented.

(E) PVU Factor Updates

The customer may update the PVU factors quarterly using the method set forth in (C)(1) and (2) preceding. If the customer chooses to submit such updates, it shall forward to the Telephone Company, no later than 15 days after the first of January, April, July and/or October of each year, revised PVU factors based on data for the prior three months, ending the last day of December, March, June and September, respectively. The revised PVU factors will serve as the basis for future billing and will be effective on the next bill date, and shall serve as the basis for subsequent monthly billing until superseded by new PVU factors. No prorating or backbilling will be done based on the updated PVU factors.
ACCESS SERVICE

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

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

(F) PVU Factor Verification

(1) Not more than twice in any year, the Telephone Company may request from the customer an overview of the process used to determine the PVU factors, the call detail records, description of the method for determining how the end user originates or terminates calls in IP format, and other information used to determine the customer's PVU factors furnished to the Telephone Company in order to validate the PVU factors supplied. The customer shall comply, and shall reasonably supply the requested data and information within 15 days of the Telephone Company's request.

(2) The Telephone Company may dispute the customer's PVU factor based upon:

(a) A review of the requested data and information provided by the customer, or customer's refusal to provide the data and information to support the PVU factors.

(b) The Telephone Company's reasonable review of other market information, FCC reports on VoIP lines, such as FCC Form 477 or state level results based on FCC Local Competition Report or other relevant data.

(c) A change in the reported PVU factor by more than five percentage points from the preceding quarter.

(3) If after review of the data and information, the customer and the Telephone Company establish revised PVU factors, the customer and the Telephone Company will begin using those revised PVU factors with the next bill period.

(C) Indicates Change

Issued: June 13, 2012  Effective: July 13, 2012
2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

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

(F) PVU Factor Verification (Cont'd)

(4) If the dispute is unresolved, the Telephone Company may initiate an audit. The Telephone Company shall limit audits of the customer's PVU factor to no more than twice per year. The customer may request that the audit be conducted by an independent auditor. In such cases, the associated auditing expenses will be paid by the customer.

(a) In the event that the customer fails to provide adequate records to enable the Telephone Company or an independent auditor to conduct an audit verifying the customer's PVU factors, the Telephone Company will bill the usage and associated facilities for all contested periods using the most recent undisputed PVU factors reported by the customer. If no undisputed PVU factors exist, then PVU factors of zero percent will be used for all contested periods. These PVU factors will remain in effect until the audit can be completed.

(b) During the audit, the undisputed PVU factors from the previous reporting period will be used by the Telephone Company.

(c) The Telephone Company will adjust the customer's PVU factors based on the results of the audit and implement the revised PVU in the next billing period or quarterly report date, whichever is first. The revised PVU factors will apply for the next two quarters before new factors can be submitted by the customer.

(d) If the audit supports the customer's PVU factors, the usage for the contested periods will be adjusted to reflect the customer's audited PVU factors.
2. **General Regulations (Cont'd)**

2.4 **Payment Arrangements and Credit Allowances**

2.4.1 **Payment of Rates, Charges and Deposits**

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

2.4 Payment Arrangements and Credit Allowances (Cont'd)

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

(A) (Cont'd)

Such a deposit may be refunded or credited to the account when the customer has established credit or, in any event, after the customer has established a one-year prompt payment record at any time prior to the termination of the provision of the service to the customer. In case of a cash deposit, for the period the deposit is held by the Telephone Company, the customer will receive interest at the same percentage rate as that set forth in (B)(3)(b)(I) or in (B)(3)(b)(II), whichever is lower. The rate will be compounded daily for the number of days from the date the customer deposit is received by the Telephone Company to and including the date such deposit is credited to the customer's account or the date the deposit is refunded by the Telephone Company. Should a deposit be credited to the customer's account, as indicated above, no interest will accrue on the deposit from the date such deposit is credited to the customer's account.

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

(1) For End User Access Service and Presubscription Service, the Telephone Company will establish a bill day each month for each end user account. The bill will cover End User Access Service charges for the ensuing billing period except for End User Access Service and Presubscription Service for the Federal Government which will be billed in arrears. Any applicable Presubscription Service, any known unbilled
2. **General Regulations (Cont'd)**

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

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

(B) (Cont'd)

(1) (Cont'd)

charges for prior periods and any known unbilled adjustment for prior periods for End User Access Service and Presubscription Service will be applied to this bill. Such bills are due when rendered.

(C)

(2) For Service other than End User Service and Presubscription Service, the Telephone Company will establish a bill day each month for each customer account. The bill will cover nonusage sensitive service charges, except Feature Group A and B charges, for the ensuing billing period for which the bill is rendered, any known unbilled nonusage sensitive charges for prior periods and unbilled usage charges for Feature Group A and B monthly charges for the period after the last bill day through the current bill day. Any known unbilled usage charges for prior periods and any known unbilled adjustments will be applied to this bill. Such bills are due as set forth in (3) following. If payment is not received by the payment date, as set forth in (3) following in immediately available funds, a late payment penalty will apply as set forth in (3) following.
2. **General Regulations (Cont'd)**

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

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

(B) (Cont'd)

(3) (a) All bills dated as set forth in (2) preceding for service, other than End User Service and Presubscription Service provided to the customer by the Telephone Company, are due 31 days (payment date) after the bill day, except as provided herein, and are payable in immediately available funds. If such payment date would cause payment to be due on a Saturday, Sunday or Holiday (i.e., New Year's Day, Independence Day, Labor Day, Thanksgiving Day, Christmas Day, the second Tuesday in November and a day when Washington's Birthday, Memorial Day or Columbus Day is legally observed) payment for such bills will be due to the customer as follows:

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

(b) Further, if any portion of the payment is received by the Telephone Company after the payment date as set forth in (a) preceding, or if any portion of the payment is received by the Telephone Company in funds which are not immediately available to the Telephone Company, then a late payment penalty shall be due to the Telephone Company. The late payment penalty shall be the portion of the payment received after the payment date times a late factor. The late factor shall be the lesser of:

(C) Indicates Change

**Issued:** February 27, 2017  **Effective:** April 1, 2017

17-02A
2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

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

(B) (Cont'd)

(3) (Cont'd)

(b) (Cont'd)

(i) the highest interest rate (in decimal value) which may be levied by law for commercial transactions, compounded daily for the number of days from the payment date to and including the date that the customer actually makes the payment to the Telephone Company; or

(ii) 0.000407 per day, compounded daily for the number of days from the payment date to and including the date that the customer actually makes the payment to the Telephone Company. (R)

(c) In the event that a billing dispute concerning any charges billed to the customer by the Telephone Company is resolved in favor of the Telephone Company, any payments withheld pending settlement of the dispute shall be subject to the late payment penalty set forth in (b) preceding. If the customer disputes the bill on or before the payment date, and pays the undisputed amount on or before the payment date, any late payment charge for the disputed amount will not start until 10 days after the payment date. If the billing dispute is resolved in favor of the customer, no late payment penalty will apply to the disputed amount. In addition, if the customer disputes the billed amount and pays the total amount (i.e., the non-disputed amount and the disputed amount) on or before the payment date and the billing dispute...
2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

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

(B) (Cont'd)

(3) (c) (Cont'd)

is resolved in the favor of the customer, the customer will receive a credit for a disputed amount penalty from the Telephone Company if the billing dispute is not resolved within 10 working days following the payment date or the date the customer furnishes to the Telephone Company documentation to support its claim plus 10 working days, whichever date is the later date. The disputed amount penalty shall be the disputed amount resolved in the customer's favor times a penalty factor.

The penalty factor shall be the lesser of:

(I) the highest interest rate (in decimal value) which may be levied by law for commercial transactions, compounded daily for the number of days from the payment date to and including the date that the customer actually makes the payment to the Telephone Company; or

(II) 0.000407 per day, compounded daily for the number of days from the payment date to and including the date that the customer actually makes the payment to the Telephone Company.

(C) When a payment for Access Service Charges billed under this Tariff is due to the Telephone Company from the customer as set forth in (B)(3) preceding on the same payment date that a Purchase of Accounts Receivable net purchase amount is due to the customer from the Telephone Company, the Telephone Company may, with at least 31 days notice to the customer, net the payment for customer Access Service Charges with the net purchase amount. The Telephone Company will pay the net amount to the customer on the payment date when such net amount is...
ACCESS SERVICES

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

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

(C) (Cont'd)

due to the customer or require the customer to pay to the Telephone Company the net amount when such net amount is due to the Telephone Company. If either party does not make the payment on the payment date, a late payment penalty as set forth in (B)(3) preceding applies.

(D) Adjustments for the quantities of services established or discontinued in any billing period beyond the minimum period set forth for services in other sections of this tariff will be prorated to the number of days or major fraction 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.

(E) When a rate as set forth in this tariff is shown to more than two decimal places, the charges will be determined using the rate shown. The resulting amount will then be rounded to the nearest penny (i.e., rounded to two decimal places).

(F) When more than one copy of a customer bill for services provided under the provisions of this tariff is furnished to the customer, an additional charge applies for each additional copy of the bill as set forth in 13.3.6 following.

2.4.2 Minimum Period

The minimum period for which services are provided and for which rates and charges are applicable is one month except for those services set forth in Section 5.2.5, 6.2.7, 6.7.2, 7.4.4, 9.4(A) and 13.3.5 following.

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

(C) Indicates Change

Issued: March 15, 2001 Effective: April 16, 2001
2. **General Regulations (Cont'd)**

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

2.4.2 **Minimum Period (Cont'd)**

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

(A) When a service with a one month minimum period is discontinued prior to the expiration of the minimum period, a one month charge will apply at the rate level in effect at the time service is discontinued.

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

2.4.3 **Cancellation of an Order for Service**

Provisions for the cancellation of an order for service are set forth in other applicable sections of this tariff.

2.4.4 **Credit Allowance for Service Interruptions**

(A) **General**

A service is interrupted when it becomes unusable to the customer because of a failure of a facility component used to furnish service under this tariff or in the event that the protective controls applied by the Telephone Company result in the complete loss of service by the customer as set forth in 6.5.1 following. An interruption period starts when an inoperative service is reported to the Telephone Company, and ends when the service is operative.
ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.4 Credit Allowance for Service Interruptions (Cont'd)

(B) When A Credit Allowance Applies

In case of an interruption to any service, allowance for the period of interruption, if not due to the negligence of the customer, shall be as follows:

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

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

(a) For two-point services, the monthly charge shall be the total of all the monthly rate element charges associated with the service (i.e., channel terminations, channel mileage, optional features and functions, and when applicable, surcharge for Special Access Service).

(b) For multi-point services, the monthly charge shall be the total of all the monthly rate element charges associated with that portion of the service that is inoperative between the Hub and a customer premises (i.e., channel termination(s), channel mileage, optional features and functions, and when applicable, surcharge for Special Access Service).

(c) For multiplexed services, the monthly charge shall be the total of all the monthly rate element charges associated with that portion of the service that is inoperative. When the facility that is multiplexed or the multiplexer itself is inoperative, the monthly charge shall be the total of all the monthly rate element charges associated with the service (i.e.,

(C) Indicates Change

Issued: July 18, 2002
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2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.4 Credit Allowance for Service Interruptions (Cont'd)

(B) When A Credit Allowance Applies (Cont'd)

(1) (Cont'd)

(c) (Cont'd)

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

(2) Reserved For Future Use (C)

(C) Indicates Change

Issued: July 18, 2002 Effective: July 19, 2002
2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.4 Credit Allowance for Service Interruptions (Cont'd)

(B) When A Credit Allowance Applies (Cont'd)

(C) Indicates Change

(3) For Switched Access Service and Directory Assistance Service, no credit shall be allowed for an interruption of less than 24 hours. The customer shall be credited for an interruption of 24 hours or more at the rate of 1/30 of the applicable monthly rates for each period of 24 hours or major fraction thereof that the interruption continues.
2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.4 Credit Allowance for Service Interruptions (Cont'd)

(B) When A Credit Allowance Applies (Cont'd)

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

(5) For certain Special Access services (Digital Data, DA1-4; and High Capacity, HC1), any period during which the error performance is below that specified for the service will be considered as an interruption.

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

(C) When a Credit Allowance Does Not Apply

No credit allowance will be made for:

(1) Interruptions caused by the negligence of the customer.

(2) Interruptions of a service due to the failure of equipment or systems provided by the customer or others.

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

(4) Interruptions of a service when the customer has released that service to the Telephone Company for maintenance purposes, to make rearrangements, or for the implementation of an order for a change in the service during the time that was negotiated with the customer prior to the release of the service. Thereafter, a credit allowance as set forth in (B) preceding applies.
2. General Regulations (Cont’d)

2.4 Payment Arrangements and Credit Allowances (Cont’d)

2.4.4 Credit Allowance for Service Interruptions (Cont’d)

(C) When a Credit Allowance Does Not Apply (Cont’d)

(5) Interruptions of a service which continue because of the failure of the customer to authorize replacement of any element of special construction, as set forth in Section 14, Special Construction, of this tariff. The period for which no credit allowance is made begins on the seventh day after the customer receives the Telephone Company’s written notification of the need for such replacement and ends on the day after receipt by the Telephone Company of the customer’s written authorization for such replacement.

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

(7) An interruption or a group of interruptions, resulting from a common cause, for amounts less than one dollar.

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

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

(E) Temporary Surrender of a Service

In certain instances, the customer may be requested by the Telephone Company to surrender a service for purposes other than maintenance, testing or activity relating to a service order. If the customer consents, a credit allowance will be granted. The credit allowance will be determined in the same manner as a credit for service interruptions as set forth in 4.2.2(B)(1). In no case will the credit allowance exceed the monthly rate for the service surrendered in any one monthly billing period.

(C) Indicates Change
2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

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

(A) Nonrecurring Charges Do Not Apply

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

(1) The service is of the same type as was provided prior to the fire, flood and other occurrence.

(2) The service is for the same IC or End User.

(3) The service is at the same location on the same premises.

(4) The re-establishment of service begins within 60 days after Telephone Company service is available. (The 60 day period may be extended a reasonable period if the renovation of the original location on the premises affected is not practical within the allotted time period.)

(B) Nonrecurring Charges Apply

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

2.4.7 Title or Ownership Rights

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

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.8 Ordering, Rating and Billing of Access Services Where More Than One Exchange Telephone Company is Involved

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

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

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

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

(A) Single Company Billing (FGA Only)

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

(C) Indicates Change

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2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.8 Ordering, Rating and Billing of Access Services Where More Than One Exchange Telephone Company is Involved (Cont'd)

(B) Multiple Company (Interconnection Point) Billing

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

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

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

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

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

(C) Indicates Change

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2. General Regulations (Cont’d)

2.4 Payment Arrangements and Credit Allowances (Cont’d)

2.4.8 Ordering, Rating and Billing of Access Services Where More Than One Exchange Telephone Company is Involved (Cont’d)

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

(2) (Cont’d)

(a) For Directory Assistance Service, the Exchange Telephone Company in whose operating territory the end office is located must receive the order from the customer.

(b) For Feature Group B and/or D Switched Access Service ordered to an end office, the Exchange Telephone Company in whose operating territory the end office is located must receive the order from the customer.

(c) For Feature Group B and/or D Switched Access Service ordered to an access tandem, the Exchange Telephone Company in whose operating territory the access tandem is located must receive the order from the customer.

(d) For the Service ordered set forth in (a), (b) and (c) preceding, the Exchange Telephone Company in whose operating territory the customer point of termination is located must also receive a copy of the order from the customer.

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

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

(C) Indicates Change

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2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.8 Ordering, Rating and Billing of Access Services Where More Than One Exchange Telephone Company is Involved (Cont'd)

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

(3) (Cont'd)

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

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

(C) Indicates Change

Issued: March 22, 2000 Effective: April 1, 2000
2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.8 Ordering, Rating and Billing of Access Services Where More Than One Exchange Telephone Company is Involved (Cont'd)

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

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

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

(C) Indicates Change
ACCESS SERVICE

2. General Regulations (Cont’d)

2.4 Payment Arrangements and Credit Allowances (Cont’d)

2.4.8 Ordering, Rating and Billing of Access Services Where More Than One Exchange Telephone Company is Involved (Cont’d)

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

(7) When a Special Access Service, including those involving a Hub, but excluding those ordered for connection with Switched Access Service, is ordered by a customer where both ends of the Channel Mileage element, an end of the Channel Mileage element and an interconnection point, an end of the Channel Mileage element and a Hub or interconnection point and a Hub are in the same Telephone Company operating territory and the same exchange but in different states which have different rate schedules, the Exchange Telephone Company will accept the order in either state except for orders involving Hubs. For orders involving Hub the order must be placed in the state where the Hub is located. An interconnection point will be determined by the Exchange Telephone Company and will be used to determine the billing for each state. All appropriate charges in each state rate schedule are applicable. The rate for the Channel Mileage element will be determined as set forth in (8) following.

(8) When Terminating Tandem Switched Transport is provided through a CenturyLink Operating Company (CLOC) ILEC Access Tandem and the Terminating End Office is not owned by any CLOC ILEC or through an ILEC Access Tandem not owned by a CLOC ILEC and the Terminating End Office is owned by a CLOC ILEC, Terminating – Tandem 3rd Party rates are applicable; otherwise, Terminating – Tandem End Office rates are applicable. When originating Tandem Switched Transport is provided, Originating rates are applicable. The rate for the Switched Access Direct-Trunked Transport and Tandem-Switched Transport or Special Access Channel Mileage per mile element for services provided as set forth in (1) through (7) preceding is determined as follows:

(a) Determine the appropriate switched transport or channel mileage by computing the airline mileage between the two ends of the switched transport or channel mileage. Determine the airline mileage for the Tandem-Switched Transport per mile element using the V & H method as set forth in Section 6.7.12 following. Determine the airline mileage for the Direct-Trunked Transport and Channel Mileage per mile element using the V & H method as set forth in Section 7.4.6 following.

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

(C) Indicates Change

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2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.8 Ordering, Rating and Billing of Access Services Where More Than One Exchange Telephone Company is Involved (Cont'd)

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

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

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

- Feature Group D Switched Access is ordered to End Office.

- Originating End Office and Access Tandem are in the operating territory of a Telephone Company (TC-A).

- Customer Designated Premises is in the operating territory of a Telephone Company (TC-B).

- Assumptions:
  o TC-A Direct Trunked Transport BP = 40%
  o TC-B Direct Trunked Transport BP = 60%
  o Direct Trunked Transport mileage = 26 mi.
  o Tandem Switched Transport mileage = 23 mi.
2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.8 Ordering, Rating and Billing of Access Services Where More Than One Exchange Telephone Company is Involved (Cont'd)

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

Diagram 1

Telephone Company A charges are:

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

Tandem Switched Facility charge
= 9,000 min. x 23 mi. x TSF rate

Tandem Switched Termination charge
= 2 terminations x 9,000 min. x TST rate

Tandem Switching charge
= 9,000 min x TS rate

Direct Trunked Facility charge
= 26 miles x DTF rate x 40%

Direct Trunked Termination charge
= 1 termination x DTT rate

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

(C) Indicates Change

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2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.8 Ordering, Rating and Billing of Access Services Where More Than One Exchange Telephone Company is Involved (Cont'd)

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

- Feature Group D Switched Access is ordered to End Office.
- Terminating Access Tandem is owned by CLOC ILEC carrier (TC-A) and End Office is owned by a non-CLOC ILEC carrier (TC-B)

- Assumptions:
  - TC-A Direct Trunked Transport BP = 40% (where applicable
    Diagram 2A)
  - TC-B Direct Trunked Transport BP = 60% (where applicable
    Diagram 2A)
  - Direct Trunked Transport mileage = 26 mi.
  - TC-A Tandem Switched Transport BP = 20%
  - TC-B Tandem Switched Transport BP = 80%
  - Tandem Switched Transport mileage = 23 mi.

(C) Indicates Change

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2.  General Regulations (Cont'd)

2.4  Payment Arrangements and Credit Allowances (Cont'd)

2.4.8  Ordering, Rating and Billing of Access Services Where More Than One Exchange Telephone Company is Involved (Cont'd)

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

- Diagram 2A

- Diagram 2B

(C) Indicates Change

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2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.8 Ordering, Rating and Billing of Access Services Where More Than One Exchange Telephone Company is Involved (Cont'd)

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

Example 2 Telephone Company A charges are:

Tandem Switched Facility – 3rd Party charge
= 9,000 min. x 23 mi. x TSF-3rd Party rate x 20%

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

Tandem Switching – 3rd Party charge
= 9,000 min. x TS-3rd Party rate

Direct Trunked Facility charge
2A = 26 miles x DTF rate x 40%
2B = 26 miles x DTF rate

Direct Trunked Termination charge
2A = 1 termination x DTT rate
2B = 2 termination x DTT rate

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

(C) Indicates Change
ACCESS SERVICE

2. General Regulations (Cont’d)

2.4 Payment Arrangements and Credit Allowances (Cont’d)

2.4.8 Ordering, Rating and Billing of Access Services Where More Than One Exchange Telephone Company is Involved (Cont’d)

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

- Feature Group D Switched Access is ordered to End Office.
- Terminating End Office and Access Tandem are both owned by a CLOC ILEC (TC-A)
- Assumptions:
  - TC-A Direct Trunked Transport BP = 40%
  - TC-B Direct Trunked Transport BP = 60%
  - Direct Trunked Transport mileage = 26 mi.
  - Tandem Switched Transport mileage = 23 mi.

Diagram 3

(C) Indicates Change
2.4.8 Ordering, Rating and Billing of Access Services Where More Than One Exchange Telephone Company is Involved (Cont'd)

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

- Telephone Company A charges are:
  
  End Office Charges = 9,000 min. x EO rate

  Tandem Switched Facility – End Office charge
  = 9,000 min. x 23 mi. x TSF-End Office rate

  Tandem Switched Termination – End Office charge
  = 2 terminations x 9,000 min. x TST-End Office rate

  Tandem Switching – End Office charge
  = 9,000 min. x TS-End Office rate

  Direct Trunked Facility Charge
  = 26 miles x DTF rate x 40%

  Direct Trunked Termination charge
  = 1 termination x DTT rate

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

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2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.8 Ordering, Rating and Billing of Access Services Where More Than One Exchange Telephone Company is Involved (Cont'd)

(F) Example 4: Originating Switched Access – CLOC owns only the End Office
(See Diagram 4)

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

- Assumptions:
  - Direct Trunked Transport mileage = 26 mi.
  - TC-A Tandem Switched Transport BP = 80%
  - TC-B Tandem Switched Transport BP = 20%
  - Tandem Switched Transport mileage = 23 mi.

Diagam 4

(C) Indicates Change

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2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.8 Ordering, Rating and Billing of Access Services Where More Than One Exchange Telephone Company is Involved (Cont'd)

(F) Example 4: Originating Switched Access – CLOC owns only the End Office (Cont'd)
(See Diagram 4)

Telephone Company A charges are:

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

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

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

(C) Indicates Change

Issued: May 15, 2017 Effective: July 1, 2017
2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.8 Ordering, Rating and Billing of Access Services Where More Than One Exchange Telephone Company is Involved (Cont'd)

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

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

Diagram 5

(C) Indicates Change

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2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.8 Ordering, Rating and Billing of Access Services Where More Than One Exchange Telephone Company is Involved (Cont'd)

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

- Telephone Company A charges are:
  
  End Office charges = 9,000 min. x EO rate
  
  Tandem Switched Facility 3rd Party charge
  = 9,000 min. x 23 mi. x TSF-3rd Party rate x 80%
  
  Tandem Switched Termination 3rd Party charge
  = 1 termination x 9,000 min. x TST-3rd Party rate

(C) Indicates Change

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2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.5 Connections

2.5.1 General

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

2.6 Definitions

Certain terms used herein are defined as follows:

Access Code

See “Carrier Access Code” (CAC).

Access Minutes

The term "Access Minutes" denotes that usage of exchange facilities in intrastate 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 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.

(C) Indicates Change

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2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Access Minutes (Cont'd)

Access Tandem

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

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 point of termination as an indication that the called party has answered or disconnected.

Attenuation Distortion

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

Balance (100 Type) Test Line

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

Bit

The term "Bit" denotes the smallest unit of information in the binary system of notation.
2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

**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-hour workweek. However, Business Day hours for the Telephone Company may vary based on company policy, union contract and location. To determine such hours for an individual company, or company location, that company should be contacted at the address shown under the Issuing Carrier(s) name listed on Title Page 2 preceding.

**Call**

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

**Carrier or Common Carrier**

(See Interexchange Carrier (IC) or Interexchange Common carrier)

**Carrier Access Code (CAC)**

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

**Carrier Identification Code (CIC)**

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

**Category I**

The term "Category I" denotes the Special Access Services that are equivalent to the services that are defined in Part 68.2 (a) (2) of the FCC’s Rules and Regulations.

(C) Indicates Change

Issued: March 14, 2001  Effective: March 15, 2001
2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Category II

The term "Category II" denotes Access Services not covered by Part 68 of the FCC’s Rules and Regulations. These services include those access services where protection is incidentally supplied in the normal provision of the service.

Category III

The Term "Category III" denotes the Special Access Services that are equivalent to the services that are defined in Part 68.2 (a) (3) of the FCC’s Rules and Regulations.

CCS

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

Central Office

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

Central Office Prefix

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

Centralized Automatic Reporting on Trunks Testing

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

Channel(s)

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

2.6 Definitions (Cont'd)

Channel Service Unit

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

Channelize

The term "Channelize" denotes the allocation of traffic circuits to channels and the forming of these channels into groups and higher order multiplexing. The method of using a single wideband facility to transmit many relatively narrow bandwidth channels by subdividing the wideband channel.

Clear Channel Capability (CCC)

The term "Clear Channel Capability" denotes the transport of twenty-four, 64 Kbps channels over a 1.544 Mbps High Capacity Service via B8ZS line code format.

C-Message Noise

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

C-Notched Noise

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

Common Line

The term "Common Line" denotes a line, trunk, Pay Telephone Line Service or other facility provided under the general and/or local exchange service tariffs of the Telephone Company, terminated on a central office switch. A common line-residence is a line or trunk provided under the residence regulations of the general and/or local exchange service tariffs. A common line-business is a line provided under the business regulations of the general and/or local exchange service tariffs.

(C) Indicates Change

Issued: April 20, 2001  Effective: May 21, 2001
2. **General Regulations (Cont'd)**

2.6 **Definitions (Cont'd)**

**Common Trunk Port**

The term "Common Trunk Port" denotes the termination of shared access trunks when traffic is routed through the access tandem.

**Communications System**

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

**Customer(s)**

The term "Customer(s)" denotes any individual, partnership, association, joint-stock company, trust, corporation, or governmental entity or any other entity which subscribes to the services offered under this tariff, including both Interexchange Carriers (IC's) and End Users.

**Data Transmission (107 Type) Test Line**

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

**Decibel**

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

**Decibel Reference Noise C-Message Weighting**

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

**Decibel Reference Noise C-Message Referenced to 0**

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

Certain material formerly on this page now appears on Page 56.

(C) Indicates Change
ACCESS SERVICE

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Dedicated Trunk Port

The term "Dedicated Trunk Port" denotes the termination of Feature Group B and D access trunks to an end office when provided as a trunk side arrangement or to the access tandem at the serving wire center side of the switch.

Detail Billing

The term "Detail Billing" denotes the listing of each message and/or rate element for which charges to an IC or End User are due on a bill prepared by the Telephone Company.

Direct-Trunked Transport

The term "Direct-Trunked Transport" denotes switched access transport from the serving wire center to the end office on circuits dedicated to the use of a single access customer without tandem switching, or from the serving wire center to the access tandem when the transport from the access tandem to the end office is routed on circuits used in common by multiple access customers.

Directory Assistance (Intrastate)

The term "Directory Assistance" denotes the provision of telephone numbers by a Telephone Company operator when the operator location is accessed by an End User by dialing (NPA) 555-1212.

Dual Tone Multifrequency Address Signaling

The term "Dual Tone Multifrequency Address Signaling" denotes a type of signaling that is an optional feature of Switched Access Feature Group A. It may be utilized when Feature Group A is being used in the terminating direction (from the point of interface with the IC to the local exchange end office). An office arranged for Dual Tone Multifrequency Signaling would expect to receive address signals from the IC in the form of Dual Tone Multifrequency signals.

Echo Control

The term "Echo Control" denotes the control of reflected signals in a telephone transmission path.
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 4-wire point of interface without regard to the send and receive Transmission Level Point.

**Echo Return Loss**

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

**Effective 2-Wire**

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

**Effective 4-Wire**

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

2.6 Definitions (Cont'd)

**End Office Switch**

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

**End User**

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

**Entry Switch**

See First Point of Switching.

**Envelope Delay Distortion**

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

**Equal Level Echo Path Loss**

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

Certain material found on this page formerly appeared on Original Page 57.

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ACCESS SERVICE

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Expected Measured Loss

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

Exchange

The term "Exchange" denotes a unit established by the Telephone Company for the administration of communications service in a specified area that usually embraces a city, town or village and its environs. It consists of one or more central offices together with the associated facilities used in furnishing communications service within that area.

Field Identifier

Field Identifiers are used on service orders to identify an associated data entry and to convey specific instructions. Field Identifiers may or may not have associated data. Selected field identifiers are used in Telephone Company billing systems to generate nonrecurring charges.

Firm Order Confirmation Date

The date on which the Telephone Company confirms to the customer that the requested service can be provided.

(C) Indicates Change

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ACCESS SERVICE

2. General Regulations (Cont’d)

2.6 Definitions (Cont’d)

First Point of Switching

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

Frequency Shift

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

Geographically Aggregated Rate (GAR) (C)

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

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

Grandfathered

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

(C) Indicates Change
2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Host Office

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

Immediately Available Funds

The term "Immediately Available Funds" denotes New York Certificates of Deposit, bank wire transfers, U.S. Federal Reserves Notes (paper cash) U.S. coins, a corporate or personal check drawn on a bank account and U.S. Postal Money Orders.

Impedance Balance

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

Impulse Noise

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

Individual Case Basis

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

Inserted Connection Loss

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

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Effective: August 9, 1985
2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Interexchange Carrier (IC) or Interexchange Common Carrier

The terms "Interexchange Carrier" (IC) or Interexchange Common Carrier" denotes any individual, partnership, association, joint-stock company, trust, governmental entity or corporation employed for hire in intrastate or foreign communication by wire or radio, between two or more exchanges.

Intermodulation Distortion

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

Intrastate Customer(s)

The term "Intrastate Customer(s)" denotes any individual, partnership, association, corporation, or governmental agency or any other entity which subscribes to the services offered under this tariff to provide intrastate telecommunications services for its own use or for the use of its customers (End Users).

Interstate and Foreign Communications

The term "Interstate and Foreign Communications" denotes both interstate and foreign communications subject to FCC oversight as provided under the Communications Act of 1934, as amended, and the FCC’s Rules and Regulations.

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.

Jointly Used Subscriber Plant

The term "Jointly Used Subscriber Plant" denotes the common line facilities furnished in connection with Switched Exchange Access provided to an IC to complete an intrastate call via an IC’s intercity network to or from Telephone Exchange Service locations.
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 local exchange switching system.

Local Access and Transport Area (LATA)

The term "Local Access and Transport Area" denotes geographical areas containing a number of exchanges which are generally located in the same state and in relative proximity to each other. LATAs define areas within which the Operating Telephone Company(s) provide service and between which Interexchange Carrier provides service. Throughout this tariff Geographical Market Area (GMA) and LATA are intended to be interchangeable.

Local Tandem Switch

The term "Local Tandem Switch" denotes a local Telephone Company switching unit by which local or access telephonic communications are switched to and from an End Office Switch.

Loop Around Test Line

The term "Loop Around Test Line" denotes an arrangement in an end office which provides a means for making two-way transmission tests on a manual basis. This arrangement does not require the assistance of personnel at the served terminal. A connection is established over one access line from the serving switching center through the transmission testing and switching equipment and back to the serving switching center over another access line.

Loss Deviation

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

Message

The term "Message" denotes a "call" as defined preceding.
2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

**Milli watt (102 Type) Test Line**

The term "Milli watt (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 premises from the Telephone Company end office.

**Network Control Signaling**

The term "Network Control Signaling" denotes the transmission of signals used in the telecommunications system which perform functions such as supervision (control, status, and charge signals), address signaling (e.g., dialing), calling and called number identifications, rate of flow, service selection error control and audible tone signals (call progress signals indicating reorder or busy conditions, alerting, coin denominations, coin collect and coin return tones) to control the operation of the telecommunications system.

**Nonsynchronous Test Line**

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

**North American Numbering Plan**

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

**Off-hook**

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

**On-hook**

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

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Open Circuit Test Line

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

Operator Service System (OSS)

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

Optical Carrier Level (n) (OCn)

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

Optical Carrier Level n Concatenated (OCnc)

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

Optical Carrier Rate (OC#)

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

Optical Carrier Rate Concatenated (OC#c)

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

Certain material previously appearing on this page now appears on Page 63.1.

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ACCESS SERVICE

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Originating Direction

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

Pay Telephone Line Service (PTL)

The term "Pay Telephone Line Service" (PTL) is one-party exchange service for use by pay telephone providers, location owners and interexchange carriers and is furnished solely for connection with coin, coinless, or combination coin/coinless pay telephone equipment to the Telephone Company's network.

Phase Jitter

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

Point of Termination

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

Material now appearing on this page previously appeared on Third Revised Page 63.
Material previously appearing on this page now appears on Page 63.2.

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ACCESS SERVICE

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Premises

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

Query

A query is a request for specific information generated by a computer processor and sent to a database, with a predefined set of responses expected.

Registered Equipment

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

Remote Switching Modules and/or Remote Switching Systems

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

Responsible Organization

The term "Responsible Organization" denotes that entity which is responsible for the management and administration of a Toll Free Code (TFC) service record in the Toll Free Code (TFC) Service Management System.

Return Loss

The term "Return Loss" denotes a measure of the similarity between the two impedances at the junction of two transmission channels (e.g., four-to two-wire junctions); the higher the return loss, the higher the similarity.
2. **General Regulations (Cont'd)**

2.6 **Definitions (Cont'd)**

**Seven Digit Manual Test Line**

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

**Shortage of Facilities or Equipment**

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

**Short Circuit Test Line**

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

**Signal-to-C-Notched Noise Ratio**

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

**Singing Return Loss**

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

Material omitted from this page now appears on Original Page 63.1.

Issued: April 5, 1993  Effective: May 1, 1993
ACCESS SERVICE

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Special Order

The term "Special Order" denotes an order for a Directory Assistance Service.

Subtending End Office of an Access Tandem

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

Synchronous Optical Network (SONET)

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

Synchronous Test Line

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

Synchronous Transport Signal - Level (STS1)

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

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Tandem Switched Transport

The term “Tandem-Switched Transport” denotes switched access transport from the access tandem to an end office subtending that tandem. Tandem-switched transport consists of circuits used in common by multiple access customers from the tandem to the end office.

Telecommunications Service Priority (TSP) System

The Telecommunications Service Priority (TSP) System is the regulatory, administrative and operational system authorizing and providing for priority treatment, to provide and restore National Security Emergency Preparedness Telecommunications services.

Terminating Direction

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

Toll Free Code

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

Toll VoIP-PSTN Traffic

The term “Toll VoIP-PSTN Traffic” denotes a customer’s interexchange voice traffic exchanged with the Telephone Company in Time Division Multiplexing format over PSTN facilities, which originates and/or terminates in Internet Protocol (IP) format. “Toll VoIP-PSTN Traffic” originates and/or terminates in IP format when it originates from and/or terminates to an end user customer of a service that requires IP-compatible customer premises equipment.

TFC Service Management System

The term “TFC Service Management System” (TFC SMS) denotes the main operations support system used to create and update TFC service records in the national database. Italicized material now appearing on this page previously appeared on Third Revised Page 65.

(C) Indicates Change

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ACCESS SERVICE

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

TFC Service Provider

The term “TFC Service Provider” denotes a telecommunications company, including local exchange carriers and interexchange carriers, or a reseller of exchange or interexchange services that offers TFC service to end users.

Transmission Measuring (105 Type) Test Line/Responder

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

Transmission Path

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

Trunk

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

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

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

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

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

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

WATS Serving Office
The term "WATS Serving Office" denotes a telephone company designated serving wire center where switching, screening, and/or recording functions are performed.

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

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ACCESS SERVICE

3. Carrier Common Line Access Service

The Telephone Company will provide Carrier Common Line Access Service (Carrier Common Line Access) to customers in conjunction with switched Access Service provided in Section 6 of this tariff.

3.1 General Description

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

A Special Access Surcharge as set forth in Section 7.5.1 following will apply to jurisdictional intrastate Special Access Service provided by the Telephone Company to a customer, in accordance with regulations as set forth in Section 7.4.2 following.

3.2 Limitations

3.2.1 Exclusions

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

(B) Detail billing is not provided for Carrier Common Line Access.

(C) Directory listings are not provided with Carrier Common Line Access.

Certain material formerly on this page now appears on Page 289.

(C) Indicates Change

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ACCESS SERVICE

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

3.2  Limitations (Cont'd)

3.2.1  Exclusions (Cont'd)

(D)  Intercept arrangements are not provided with Carrier Common Line Access.

3.2.2  Access Groups

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

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

3.2.3  WATS Special Access Circuits

Where Special Access Services are utilized for connection with Switched Access Services at Telephone Company designated WATS Serving Offices for the provision of WATS or WATS-like services, Switched Access Service minutes which are carried on that end of the service (i.e., originating minutes for outward WATS and WATS-like services and terminating minutes for inward WATS and WATS-like services) shall not be assessed the per minute Carrier Charge.

3.3  Undertaking of the Telephone Company

3.3.1  Provision of Service

Where the customer is provided with Switched Access Service under other sections of this tariff, the Telephone Company will provide the use of Telephone Company common lines by a customer for access to end users. Carrier Charges described in 3.8 following apply for all Carrier Common Line Access minutes except as stated otherwise in this section.

Certain material formerly on this page now appears on Page 70.

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ACCESS SERVICE

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

3.3 Undertaking of the Telephone Company (Cont'd)

3.3.2 Interstate and Intrastate Use

The Switched Access Service provided by the Telephone Company includes the Switched Access Service provided for intrastate communications. The Carrier Charge as set forth in 3.8 following applies in accordance with the regulations as set forth in 3.7.3 following.

3.4 Obligations of the Customer

3.4.1 Switched Access Service Requirement

The Switched Access Service associated with Carrier Common Line Access shall be ordered by the customer under other sections of this tariff.

3.4.2 Supervision

The customer facilities at the premises of the ordering customer shall provide the necessary on-hook and off-hook supervision.

3.5 Determination of Usage Subject to Carrier Charges

Except as set forth herein, all Switched Access Service provided to the customer will be subject to the Carrier Charge specified in 3.9.1 following.

3.5.1 Determination of Jurisdiction

When the customer reports interstate and intrastate use of Switched Access Service, the associated Carrier Common Line Access used by the customer for intrastate will be determined as set forth in 3.7.3 following (Percent Interstate Use).

(C) Indicates Change

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ACCESS SERVICE

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

3.5 Determination of Usage Subject to Carrier Charges

3.5.2 Local Exchange Access and Enhanced Service Exemption

When access to the local exchange is required to provide a customer's service (e.g., MTS/WATS-like, telex, data, etc.) that uses a resold private line service, Switched Access Service Rates and Regulations, as set forth in Section 6 following will apply, except when such access to the local exchange is required for the provision of an enhanced service. Carrier Charges as set forth in 3.9.1 following apply in accordance with the resale rate regulations as set forth in 3.6.4 following.

3.6 Resold Services

3.6.1 Scope

Where the customer is reselling MTS and/or MTS-like service(s) on which the Carrier Charge and Switched Access charges have been assessed, the customer may, at the option of the customer, obtain Feature Group A, Feature Group B or Feature Group D Switched Access Service under this tariff, as set forth in Section 6 following, for originating and/or terminating access in the local exchange. Such access group arrangements, whether single lines or trunks or multiline hunt groups or trunk groups, will have Carrier Charges applied as set forth in 3.9 following in accordance with the resale rate regulations set forth in 3.6.4 following. For purposes of administering this provision:

Resold intrastate terminating MTS and MTS-like service(s) shall include collect calls, third number calls, and credit card calls where the reseller pays the underlying carrier's service charges; and shall not include interstate minutes of use.

Resold intrastate originating MTS and MTS-like service(s) shall not include collect, third number, credit card, or interstate minutes of use.

3.6.2 Customer Obligations Concerning the Resale of MTS and MTS-like Services

When the customer is reselling MTS and/or MTS-like service as set forth in 3.6.1 preceding, the customer will be charged Carrier Charges in accordance with the resale rate regulations, as set forth in 3.6.4 following, if the customer or the provider of the MTS service furnishes documentation of the MTS usage and/or the customer furnishes documentation of the MTS-like usage. Such documentation provided by the customer shall be supplied each month and shall identify the involved resold MTS and/or MTS-like services.
3.6  Resold Services (Cont'd)

3.6.2  Customer Obligations Concerning the Resale of MTS and MTS-like Services (Cont'd)

The monthly period used to determine the minutes of use for resold MTS and/or MTS-like service(s) shall be the most recent monthly period for which the customer has received a bill for such resold service(s). This information shall be delivered to the Telephone Company, at a location specified by the Telephone Company, no later than 15 days after the bill date shown on the resold MTS and/or MTS-like service bill. If the required information is not received by the Telephone Company, the previously reported information, as described preceding, will be used for the next two months. For any subsequent month, no allocation or credit will be made until the required documentation is delivered to the Telephone Company by the customer.

3.6.3  Resale Documentation Provided By the Customer

When the customer utilizes Switched Access Service as set forth in 3.6.2 preceding, the Telephone Company may request a certified copy of the customer's resold MTS or MTS-like usage billing from either the customer or the provider of the MTS or MTS-like service. Requests for billing will relate back no more than 12 months prior to the current billing period.

3.6.4  Rate Regulations Concerning the Resale of MTS and MTS-like Services

When the customer is provided an access group to be used in conjunction with the resale of MTS and/or MTS-like services as set forth in 3.6.1 preceding, subject to the limitations as set forth in 3.2 preceding, and the billing entity receives the usage information required as set forth in 3.6.2 preceding, to calculate the adjustment of Carrier Charges, the customer will be billed as set forth in (D) following.

(A)  Apportionment and Adjustment of Resold Minutes of Use

When the customer is provided with more than one access group in a LATA in association with the resale of MTS and/or MTS-like services, the resold minutes of use will be apportioned as follows:
ACCESS SERVICE

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

3.6 Resold Services (Cont'd)

3.6.4 Rate Regulations Concerning the Resale of MTS and MTS-like Services (Cont'd)

(A) Apportionment and Adjustment of Resold Minutes of Use (Cont'd)

(1) Originating Services

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

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

The resale credit adjustment shall apply for resold originating MTS and MTS-like services and minutes of use, provided Carrier Charges and Switched Access Charges have been assessed on such services.

(2) Terminating Services

The Telephone Company will apportion the resold terminating MTS and/or MTS-like services and terminating minutes of use for which the resale credit adjustment applies, among the access groups. Such apportionment will be based on the relationship of the terminating usage for each access group to the total terminating usage for all access groups in the LATA. For purposes of administering this provision:

Resold terminating MTS and/or MTS-like services minutes shall be only those attributable to intrastate terminating MTS/MTS-like (i.e., collect calls, third number calls, and credit card calls) and shall not include interstate minutes of use or MTS/MTS-like minutes of use paid for by another party.

The resale credit adjustment shall apply for resold terminating MTS and MTS-like services and minutes of use, provided Carrier Charges have been assessed on such services.

(C) Indicates Change

Issued: March 22, 2000 Effective: April 1, 2000
ACCESS SERVICE

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

3.6 Resold Services (Cont'd)

3.6.4 Rate Regulations Concerning the Resale of MTS and MTS-like Services (Cont'd)

(B) Same Telephone Company/Exchange Limitation

In order for the rate regulations to apply as set forth in (D), following, the access groups and the resold MTS and/or MTS-like services must be provided in the same exchange, provided by the same Telephone Company and connected directly or indirectly.

(C) Direct and Indirect Connections

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

Indirect originating connections are those arrangements where the access groups and the resold originating MTS and/or MTS-like services are physically located at different customer designated premises in the same exchange. Such different customer designated premises are connected by facilities that permit a call to flow from access groups to resold MTS and/or MTS-like services.

Indirect terminating connections are those arrangements where the access groups and resold terminating MTS and/or MTS-like services are physically located at different customer designated premises in the same exchange. Such different customer designated premises are connected by facilities that permit a call to flow from resold terminating MTS and/or MTS-like services to access groups.

(C) Indicates Change

Issued: March 22, 2000  Effective: April 1, 2000
ACCESS SERVICE

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

3.6 Resold Services (Cont'd)

3.6.4 Rate Regulations Concerning the Resale of MTS and MTS-like Services (Cont'd)

(D) Access Groups

The minutes billed Carrier Charges will be the adjusted originating intrastate access minutes and the adjusted terminating intrastate access minutes for such access groups.

The adjusted originating access minutes will be the originating intrastate access minutes less the reported resold originating MTS and/or MTS-like service minutes of use as set forth in (A)(1) preceding; but not less than zero. The adjusted terminating access minutes will be the terminating intrastate access minutes less the reported resold terminating MTS and/or MTS-like service minutes of use as set forth in (A)(2) preceding; but not less than zero.

(E) When the Adjustment Will Be Applied to Customer Bills

The adjustment set forth in (D) preceding will be made to the involved customer account no later than either the next bill date or the one subsequent to that, depending on when the usage report is obtained.

(F) Conversion of Billed Usage to Minutes

When the MTS and/or MTS-like usage is shown in hours, the number of hours shall be multiplied by 60 to develop the associated MTS and/or MTS-like minutes of use. If the MTS and/or MTS-like usage is shown in a unit that does not show hours or minutes, the customer shall provide a factor to convert the shown units to minutes.

(G) Percent Interstate Use (PIU)

The adjustment set forth in (D) preceding will be made to the involved customer account after making the adjustments to the customer account as set forth in 3.7.3 following (PIU).

(C) Indicates Change

Issued: March 22, 2000
Effective: April 1, 2000
ACCESS SERVICE

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

3.7 Rate Regulations

3.7.1 Billing of Charges

The Carrier Charge as specified in 3.9.1 following will be billed to each Switched Access Service provided under this tariff in accordance with the regulations as set forth in 3.7.4 following except as set forth 3.7.3 following.

3.7.2 Measuring and Recording Call Detail

When access minutes are used to determine the Carrier Charge, they will be accumulated using call detail recorded by Telephone Company equipment except for operator and automated operator services/systems call detail such as pay telephone sent-paid, operator-DDD, operator-person, collect, credit-card, third number and/or other like calls recorded by the customer. The Telephone Company measuring and recording equipment will be associated with end office or local tandem switching equipment and will record each originating and terminating access minute where answer supervision is received. The accumulated access minutes will be summed by line group or end office, whichever type of account is used by the Telephone Company, for each customer and then rounded to the nearest minute.

(C) Indicates Change

Issued: March 22, 2000  Effective: April 1, 2000
ACCESS SERVICE

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

3.7 Rate Regulations (Cont'd)

Reserved For Future Use

(C) Indicates Change

Issued: March 22, 2000

Effective: April 1, 2000
ACCESS SERVICE

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

3.7 Rate Regulations (Cont'd)

Reserved For Future Use

(C) Indicates Change

Issued: March 22, 2000  Effective: April 1, 2000
ACCESS SERVICE

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

3.7 Rate Regulations (Cont'd)

Reserved For Future Use

(C) Indicates Change

Issued: March 22, 2000
Effective: April 1, 2000
ACCESS SERVICE

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

3.7 Rate Regulations (Cont'd)

Reserved For Future Use (C)
ACCESS SERVICE

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

3.7 Rate Regulations (Cont'd)

Reserved For Future Use (C)

(C) Indicates Change

Issued: March 22, 2000
Effective: April 1, 2000
ACCESS SERVICE

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

3.7 Rate Regulations (Cont'd)

Reserved For Future Use

(C) Indicates Change

Issued: March 22, 2000
Effective: April 1, 2000
ACCESS SERVICE

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

3.7 Rate Regulations (Cont'd)

Reserved For Future Use (C)
Accessibility Service

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

3.7 Rate Regulations (Cont'd)

Reserved For Future Use (C)

(C) Indicates Change

Issued: March 22, 2000
Effective: April 1, 2000
ACCESS SERVICE

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

3.7 Rate Regulations (Cont'd)

Reserved For Future Use

(C) Indicates Change

Issued: March 22, 2000
Effective: April 1, 2000

Certain material formerly appearing on this page now appears on Pages 289.2 and 289.3.
3. Carrier Common Line Access Service (Cont'd)

3.7 Rate Regulations (Cont'd)

Reserved For Future Use (C)
ACCESS SERVICE

3. **Carrier Common Line Access Service** (Cont’d)

3.7 **Rate Regulations** (Cont’d)

3.7.3 **Percent Interstate Use**

When the customer reports interstate and intrastate use of in-service Switched Access Service, the Carrier Charges will be billed only to intrastate Switched Access Service access minutes based on the data reported by the customer as set forth in Section 2.3.14, except where the Telephone Company is billing according to actual minutes of use by jurisdiction. The intrastate Switched Access Service access minutes will, after adjustment as set forth in 3.6.4 preceding (resale), when necessary, be used to determine the Carrier Charges as set forth in 3.8.5 following.

3.7.4 **Determination of Charges**

After the adjustments as set forth in 3.6.4 and 3.7.3 preceding have been applied, when necessary, to the Switched Access Service access minutes, the charges for the involved customer account will be determined as follows:

(A) A flat rate Carrier Charge will be applied each month to the quantity of access lines in service, pro-rated to each switched access customer on the basis of access minute of use market share. The pro-rata distribution of access lines shall be accomplished monthly based on the previous month’s switched access minutes of use and access lines in service. Access minutes of use to be used for developing market share shall be the actual local switching minutes of use billed to the switched access customer for intrastate access service.

(B) Carrier Charges shall not be reduced as set forth in 3.6.1 preceding unless Switched Access Charges, as set forth in Section 6 following, are applied to the customer’s Switched Access Services.

(C) Indicates Change

Issued: November 11, 2003

Effective: December 11, 2003
ACCESS SERVICE

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

3.7 Rate Regulations (Cont'd)

Reserved For Future Use

(C) Indicates Change

Issued: March 22, 2000  Effective: April 1, 2000
ACCESS SERVICE

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

3.7 **Rate Regulations** (Cont'd)

Reserved For Future Use (C)
ACCESS SERVICE

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

3.7 Rate Regulations (Cont'd)

Reserved For Future Use (C)
ACCESS SERVICE

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

3.8 Carrier Charge

The Telephone Company will implement access reform, as directed by the Pennsylvania Public Utility Commission (Docket Nos. P-00991648 and P-00991649 entered September 30, 1999) through the introduction of a Carrier Charge.

(A) The Carrier Charge represents a dollar amount per access line/trunk that the Telephone Company will assess to all toll providers. The total Carrier Charge is $4.92. Based on intrastate minutes of use, the Carrier Charge is apportioned among toll provider segments. The Carrier Charge will be multiplied by the current number of access lines/trunks in service each month.

(B) The Switched Access customer's portion of the Carrier Charge is a monthly rate multiplied by access lines/trunks in service. The resulting revenue is then apportioned to each switched access customer who has purchased FGB and FGD. The apportionment is determined monthly as follows:

1) Each customer’s marketshare of FGB and FGD Originating Local Switching minutes of use will be used to determine the apportionment for the Originating Carrier Charge, and

2) Each customer’s marketshare of FGB and FGD Terminating Local Switching minutes of use will be used to determine the apportionment for the Terminating Carrier Charge.

3.9 Rates and Charges

3.9.1 Carrier Charge

Applicable to IXCs Monthly Rate, Per Line/Trunk*

- Originating $3.91
- Terminating $0.00

Total Carrier Charge $3.91

* The total Carrier Charge is $4.92 per access line/trunk. The $3.91 is the switched access customer’s portion of the total Carrier Charge.

(D) Indicates reduction.

Issued: May 16, 2013 Effective: July 2, 2013
ACCESS SERVICE

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

This page is reserved for future use. (C)
ACCESS SERVICE

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

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ACCESS SERVICE

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

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(C) Indicates Change

Issued: April 30, 2002
Effective: May 1, 2002
4. **End User Access Service**

The Telephone Company will provide End User Access Service (End User Access) to End Users who obtain local exchange service from the Telephone Company under its general and/or local exchange tariffs and end users which obtain interstate and/or intrastate WATS service.

4.1 **General Description**

End User Access provides for the use of an End User Common Line (EUCL) and an interstate and/or intrastate WATS service by an end user.

4.2 **Limitations**

(A) A telephone number is not provided with End User Access.

(B) Detail billing is not provided with End User Access.

(C) Directory listings are not included with End User Access.

(D) Intercept arrangements are not included with End User Access.

4.3 **Undertaking of the Telephone Company**

The Telephone Company will provide use of an End User Access at rates and charges as set forth in 4.7 following, as follows:

(A) Use of an EUCL by an end user, use of an interstate WATS access line and/or use of an intrastate WATS Access Line by end users in connection with intrastate Access Services provided under this tariff. Such use will be provided when the End User obtains local exchange service, an interstate and/or an intrastate WATS service.

(B) The Telephone Company will be responsible for contacts and arrangements with customers for the billing of End User Access Charges.

4.4 **Obligations of the Customer**
4. **End User Access Service** (Cont'd)

4.5 **Payment Arrangements and Credit Allowances**

(A) **Minimum Period**

The minimum period for which EUCL End User Access is provided to an End User and for which charges are applicable is the same as that in the general and/or local exchange tariffs for the associated local exchange service.

The minimum period for which intrastate WATS Access Line End User Access is provided to an end user and for which charges are applicable is the same as that for a WATS Access Line as set forth in this tariff.

The minimum period for which interstate WATS Access Line End User Access is provided to an end user and for which charges are applicable is the same as that for an intrastate WATS Access Line as set forth in the interstate tariff.

(B) **Cancellation of Application**

End User Access is cancelled when the order for the associated local telephone exchange service, intrastate WATS Access Line or interstate WATS Access Line is cancelled. No cancellation charges apply.

(C) **Changes to Orders**

When changes are made to orders for the local exchange service, interstate WATS Access Line or intrastate WATS Access Line associated with End User Access, any necessary changes will be made for End User Access. No charges will apply.

(D) **Allowance for Interruptions**

When there is an interruption to an EUCL, interstate WATS Access Line or intrastate WATS Access Line, requested End User Access credit allowances for interruptions will be provided as set forth for credit allowance for interruptions in 2.4.4 preceding.

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(C) Indicates Change

Issued: August 23, 2001

Effective: August 24, 2001
ACCESS SERVICE

4. End User Access Charge (Cont’d)

4.5 Payment Arrangement and Credit Allowance (Cont’d)

4.6 Rate Regulations

(A) EUCL per month charges will be billed to the End User of the associated local exchange service or WATS service.

(B) For business Centrex CO and business Centrex CO-like service lines or trunks the End User Common Line (EUCL)-Centrex CO rate as set forth in 4.7(D) following applies to each business line or trunk.

(C) When an end user is provided more than one local business exchange service in a state by the same Telephone Company and when the local business exchange service is provided as a multi-party service under the general and/or local exchange service tariffs, each party is deemed to be a user of an EUCL and the End User Common Line (EUCL) Multi-line Business Subscriber-party line or trunk rate for the number of parties involved, as set forth in 4.7(C) following applies to each such party.

(D) When an end user is provided more than one local business exchange service in a state by the same Telephone Company, and when the local exchange business service is provided as Pay Telephone Line Service under the general and/or local exchange service tariffs, the End User Common Line (EUCL) Multi-line Business Subscriber - Pay Telephone Line Service or trunk rate as set forth in 4.7(C) following applies to each such Pay Telephone Line Service local business exchange service.

(E) When an end user is provided more than one local business exchange service in a state by the same Telephone Company and when the local business exchange service is provided under the general and/or local exchange service tariffs and is not covered by (B), (C), and (D) preceding, the End User Common Line (EUCL) Multi-line Business Subscriber - Individual line or trunk rate as set forth in 4.7(C) following applies to each such local business exchange service.

(F) For each intrastate WATS Access Line provided under this tariff and interstate WATS Access Line provided under interstate tariffs, the End User Common Line (EUCL) Multi-line Business Subscriber - Individual line or trunk rate as set forth in 4.7(C) following applies.

(C) Indicates Change

Issued: August 23, 2001 Effective: August 24, 2001
4. **End User Access Charge (Cont'd)**

4.6 **Rate Regulations (Cont'd)**

*(G)* When an end user is provided a single local business exchange service in a state by the same Telephone Company and when the local business exchange service is provided as a multi-party service under the general and/or local exchange service tariffs, each party is deemed to be a user of an EUCL and the End User Common Line (EUCL) Single Line Business Subscriber - Individual line or trunk rate as set forth in 4.7(B) following applies to each such party.

*(H)* When an end user is provided only single local business exchange service in a state by the same Telephone Company under the general and/or local exchange service tariffs, the End User Common Line (EUCL) Single Line Business Subscriber-Individual line or trunk rate as set forth in 4.7(B) following applies to each single line business. Such local business exchange service includes Pay Telephone Line Service or any other single local business exchange service not covered in *(G)* preceding.

*(I)* When an end user is provided a local residence exchange service in a state by the same Telephone Company and when the local residence exchange service is provided as a multi-party service under the general and/or local exchange service tariffs, each party is deemed to be a user of an EUCL and the End User Common Line (EUCL) Residence Subscriber - Individual line or trunk rate as set forth in 4.7(A) following applies to each such party.

*(J)* When an end user is provided a local residence exchange service in a state by the same Telephone Company, and if the residential local exchange rate for such end user is a reduced residential local exchange rate based upon a State established means test that is subject to verification, the End User Common Line (EUCL) Residence Subscriber - Individual line or trunk rate in 4.7(A) following shall be reduced by 50 percent.
4. **End User Access Charge** (Cont’d)

4.6 **Rate Regulations** (Cont’d)

(M) For each local exchange service provided as Remote Call Forwarding (RCF) residential service or Remote Call Forwarding business service, under the general and/or local exchange service tariffs, End User Access charges do not apply.

4.7 **Rates and Charges**

The rates for End User Access are:

(A) **End User Common Line (EUCL) - Residence Subscriber**

<table>
<thead>
<tr>
<th>Rate Per Month</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Individual line or trunk, each</td>
</tr>
<tr>
<td>- Two-party, each party</td>
</tr>
<tr>
<td>- Four-party, each party</td>
</tr>
<tr>
<td>- Multi-party, each party</td>
</tr>
</tbody>
</table>

(B) **End User Common Line (EUCL) - Single Line Business Subscriber**

<table>
<thead>
<tr>
<th>Rate Per Month</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Individual line or trunk, each</td>
</tr>
<tr>
<td>- Two-party, each party</td>
</tr>
<tr>
<td>- Four-party, each party</td>
</tr>
<tr>
<td>- Multi-party, each party</td>
</tr>
</tbody>
</table>

(C) **End User Common Line (EUCL) - Multi-line Business**

<table>
<thead>
<tr>
<th>Rate Per Month</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Individual line or trunk, each</td>
</tr>
<tr>
<td>- Pay Telephone Line Service, each</td>
</tr>
</tbody>
</table>

(C) Indicates Change

Issued: August 30, 2000
Effective: August 31, 2000
4.8 **WATS Access Line**

The WATS access line associated with the provision of intrastate OutWATS and intrastate TFC service is provided subject to the rules and regulations contained in its Wide Area Telecommunications Service tariff. The monthly recurring rate for a WATS access line is as follows:

<table>
<thead>
<tr>
<th>Rate</th>
<th>Per Month</th>
</tr>
</thead>
<tbody>
<tr>
<td>WATS/TFC Access Rate Charge</td>
<td>$45.05</td>
</tr>
</tbody>
</table>

Issued: June 3, 1999

Effective: August 27, 1999
ACCESS SERVICE

5. Ordering Options for Switched and Special Access Service

5.1 General

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

An Access Order is an order to provide the customer with Switched Access Service or Special Access Service or to provide changes to existing services.

5.1.1 Ordering Conditions

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

The customer shall provide all information necessary for the Telephone Company to provide and bill for the requested service. In addition to the order information required in 5.2 following, the customer must also provide:

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

Orders for Feature Group A Switched Access Service shall be in lines.

Orders for Feature Group B and D Switched Access Service shall be in trunks. In addition, the order must indicate whether the Switched Transport ordered is for Entrance Facilities, Direct-Trunked Transport and/or Tandem-Switched Transport. For Direct-Trunked Transport, the order must specify the facility Hubs involved, channel type, channel interface, and any options desired.
5. Ordering Options for Switched and Special Access Service (Cont'd)

5.1 General (Cont'd)

5.1.2 Provision of Other Services

(A) In addition to Switched and Special Access Services, other services offered under provisions of this tariff shall be ordered with an Access Order or as set forth in (B) following. The rates and charges for these services, as set forth in other sections of this tariff, will apply in addition to the ordering charges set forth in this section and the rates and charges for the Access Service with which they are associated.

(B) With the agreement of the Telephone Company, the items listed in (A) preceding may subsequently be added to the order at any time, up to and including the service date for the Access Service. When added subsequently, charges for a design change as set forth in 5.2.2(C) following will apply when an engineering review is required.

(C) Additional Engineering is not an ordering option, but will be applied to an Access Order when the Telephone Company determines Additional Engineering is necessary to accommodate a customer request. Additional Engineering will only be required as set forth in Section 13.1 following. When it is required, the customer will be so notified and will be furnished with a written statement setting forth the justification for the Additional Engineering as well as an estimate of the charges. If the customer agrees to the Additional Engineering, a firm order will be established. If the customer does not want the service or facilities after being notified that Additional Engineering of Telephone Company facilities is required, the order will be withdrawn and no charges will apply. Once a firm order has been established, the total charge to the customer for the Additional Engineering may not exceed the estimated amount by more than 10 percent.

The regulations, rates and charges for Additional Engineering are as set forth in Section 13.1 following and are in addition to the regulations, rates and charges specified in this section.

5.1.3 Special Construction

The regulations, rates and charges for special construction are in addition to the regulations, rates and charges specified in this section.

5.1.4 Discontinuance of Service

Orders for discontinuance of service must be received in writing 24 hours in advance of the customer desired disconnect date. The Telephone Company will insure that the service is disconnected on the requested date. No charges will apply after the requested disconnect date, except as defined for minimum periods in Section 2.4.2 preceding.

(C) Indicates Change

Issued: April 16, 2001
Effective: April 17, 2001
5. Ordering Options for Switched and Special Access Service (Cont'd)

5.2 Access Order

An Access Order is used by the Telephone Company to provide a customer Access Service as follows:

- Switched Access Services as set forth in Section 6 following,
- Special Access Services as set forth in Section 7 following, and
- Other Services as set forth in 5.1.2 preceding.

When placing an order for Access Service, the customer shall provide, at a minimum, the following information:

- For Feature Group A Switched Access Service, the customer shall specify the number of lines and the first point of switching (i.e., dial tone office), the directionality of the service and the Switched Transport and Local Switching options desired. In addition, the customer shall also specify which lines are to be arranged in multiline hunt group arrangements and which lines are to be provided as single lines.

- The customer shall also specify that the Feature Group A is to be provided with an extension to a different exchange, if applicable. When such an extension is specified on the order, the customer must also specify the customer’s premises in the different exchange with the Switched Access Feature Group A, at which the FGA extension is to be terminated.

- For Feature Group B Switched Access Service, the customer shall specify the number of trunks and the end office when direct routing to the end office is desired or the access tandem switch when routing is desired via an access tandem switch and Switched Transport options and Local Switching options desired. When ordering FGB trunks to an access tandem, the customer must also provide the Telephone Company an estimate of the amount of traffic it will generate to and/or from each end office subtending the access tandem to assist the Telephone Company in its own efforts to project further facility requirements. In addition, the customer shall also specify for terminating only access minutes whether the trunks are to be arranged in trunk group arrangements or provided as single trunks. The traffic type must also be specified using the same categories as described in Section 6.1.1(G) following, to enable efficient provisioning and billing functions.

- When FGA is ordered in a multi-Telephone Company provided Extended Area Service area or FGB is ordered in a multi-Telephone Company access tandem arrangement, the customer must provide a copy of the order to all Secondary Exchange Carriers. Each Exchange Carrier will bill as set forth in 2.4.8 preceding.

Certain material formerly on this page now appears on Page 381.1.

(C) Indicates Change

Issued: March 22, 2000 Effective: April 1, 2000
ACCESS SERVICE

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

5.2 Access Order (Cont'd)

- For Feature Group D Switched Access Service, the customer shall specify the number of trunks and the end office when direct routing to the end office is desired or the access tandem switch when routing is desired via an access tandem switch and the Switched Transport and Local Switching Options desired. When ordering FGD trunks to an access tandem, the customer must also provide the Telephone Company an estimate of the amount of traffic by type it will generate to and/or from each end office subtending the access tandem to assist the Telephone Company in its own efforts to project further facility requirements. The basic traffic type must also be specified using the same categories as described in Section 6.1.1(G) following, to enable efficient provisioning and billing functions. When a customer orders FGD, the customer is responsible to assure that sufficient access facilities have been ordered to handle its traffic.

When ordering FGD with SS7 Signaling, as provided for in CenturyLink Operating Companies Tariff F.C.C. No. 9, in addition to the information listed in 5.2 preceding, the customer shall specify the signaling point codes and trunk circuit identification codes. The customer must also identify the Common Channel Signaling/Signaling System 7 (CCS/SS7) Interconnection Service link associated with the FGD trunk group.

For all Special Access Services, the customer must specify the customer designated premises or Hubs involved, the type of service (e.g., Voice Grade, High Capacity, etc.), the channel interface, technical specification package and options desired. For multipoint services, the channel interface at each premises may, at the request of the customer, be different but all such interfaces shall be compatible.
ACCESS SERVICE

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

5.2 Access Order (Cont'd)

For Toll Free Code (TFC) Access Service, the customer shall order in the same manner which is set forth preceding for ordering Feature Group D, except that customers may request direct connections to only those end offices and access tandems equipped with TFC Service Switching Point (TFC SSP) functionality. All TFC traffic originating from end offices not equipped with the TFC SSP function must be routed via an access tandem at which the function is available and the TFC Access Service must be ordered accordingly. TFC SSP locations are identified in the National Exchange Carrier Association, Inc. Tariff FCC No. 4. The TFC Access Service customer must advise its Responsible Organization or the TFC Service Management System (TFC SMS) whether the TFC to Local Exchange Number Translation optional feature set forth in Section 6.2.5 following is desired. When the TFC to Local Exchange Number Translation feature is to be delivered to the customer, the customer must provide, via the TFC record in the TFC SMS, the ten digit local exchange number (NPA-NXX-XXXX) to be associated with the translated TFC number. If the TFC to Local Exchange Number Translation optional feature is used, the customer will be unable to determine that such calls originated as 1+8XX-NXX-XXXX dialed calls unless the customer also orders the Flexible Automatic Number Identification (Flex ANI) optional feature.

In addition, when a local exchange number is to be delivered to the TFC Access Service customer, the customer must provide to its Responsible Organization or to the TFC Service Management System (TFC SMS), the ten-digit local exchange number to be associated with the translated TFC number.

If the customer desires any of the TFC Data Base Optional Service Features described in Section 6.2.5(C), the customer must enter this information into the TFC SMS or provide the information to its Responsible Organization for handling. Optional features are not available to customers of interexchange carriers for use in connection with interLATA TFC services.

When a customer desires Switched Access Service to an end office that is a remote switching office, the customer must order to the host office which controls the remote switching office since all traffic to and/or from a remote switching office must be routed through the host office.

(C) Indicates Change

Issued: August 23, 2001 Effective: August 24, 2001
ACCESS SERVICE

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

5.2 Access Order (Cont'd)

- For Common Channel Signaling/Signaling System 7 (CCS/SS7) Interconnection Service, the customer must provide the following information to the Telephone Company at the time of ordering:

  - Number of access links
  - Link Type
  - Signaling Link Code
  - Customer Signaling Point Code
  - Customer Language Location Identifier (CLLI) code of the Telephone Company interconnecting Signal Transfer Point
  - Contact telephone number for installation and maintenance of the customer's designated premises

When ordering CCS/SS7 Interconnection Service, the customer will provide an estimate of total annual volume and busy hour, busy month volume projected for a period of three years. The forecast should be itemized by message type. The Telephone Company will utilize this forecast in its own efforts to project further facility requirements.

- For Line Information Data Base (LIDB) Access Service, the customer shall provide a LIDB Access Service Request which specifies the originating point codes of the customer's designated Operator Service Systems (OSSs) sending the query or queries, the PIU per originating point code (OPC) of the customer's OSS location, and the desired due date of the order.

LIDB Access Service is provided in conjunction with CCS/SS7 Interconnection Access Service, as set forth in Section 6 of the CenturyLink Operating Companies Tariff F.C.C. No. 9. The customer must arrange for CCS/SS7 Interconnection to the two Telephone Company interconnecting Signal Transfer Points (STPs) located in Johnson City, Tennessee and Bristol, Tennessee in order to utilize LIDB Access Service.

(C) Indicates Change

Issued: May 24, 2011
Effective: May 25, 2011
ACCESS SERVICES

5. Ordering Options for Switched and Special Access Service (Cont’d)

5.2 Access Order (Cont’d)

For Interim 500 Access Service, the customer shall order in the same manner which is set forth preceding for ordering Feature Group D, except that customers may request direct connections to only those end offices designated by the Telephone Company as Interim 500 Access Service screening offices. Additionally, when new NXX(s) are to be opened in the state, for exchanges served by the Telephone Company, or when existing NXX(s) are to be deleted, and such change is to occur coincident with the service date established for the order, the customer shall provide such information when placing the order for service. If the change is to occur absent the requirement for additional capacity (i.e., quantities of trunks), the customer shall notify the Telephone Company of the change as set forth in 6.6.1(C) following. All 500 number assignments and administration shall be in accordance with the North American Numbering Plan (NANP).

For Operator Transfer Service, the customer must specify whether Feature Group B, Feature Group C, or Feature Group D Switched Access Service will be used to interconnect between the OSS Tandem(s) and the customer’s premises and whether or not operator functionality, coin station control, or both are to be provided by the customer.

Operator Service System (OSS) Tandem interconnection requirements are specified in Section 16.2 following. Information regarding OSS Tandem locations is contained in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4.

(C) Indicates Change

Issued: January 9, 2017  Effective: February 8, 2017

17-01A
ACCESS SERVICE

5. Ordering Options for Switched and Special Access Service (Cont’d)

5.2 Access Order (Cont’d)

Special Access Service may be ordered for connection with Switched Access Service at Telephone Company designated WATS Serving Offices (WSOs) and may be ordered separately by a customer other than the customer which orders the Switched Access Service. For this Special Access Service the customer must also specify the type of calling (i.e., originating only or terminating only) for which the service is to be provided. Additionally, when the necessary screening functions are not provided at the wire center that serves the customer’s originating or terminating premises, the Telephone Company will provide the service to the nearest wire center where capacity exists. In these circumstances, the customer will be so notified and the order will be changed to designate the appropriate premises. No charge will apply for the change.

When Switched Access Service is ordered in trunks, the trunks may be determined by the customer in the following manner. For each day the customer shall determine the highest number of trunks in use for a single hour. The customer shall, for the same hour period (i.e., busy hour), pick the twenty consecutive business days in a calendar year which add up to the largest number of trunks in use. The customer shall then determine the average busy hour trunks by dividing the largest number of trunks in use figure, for the same hour period, for the consecutive twenty business day period by 20. This computation shall be performed for each end office and/or access tandem the customer wishes to serve.

Where the Special Access Service is exempt from the Special Access Surcharge as set forth in Section 7.4.2 preceding, the customer shall furnish with the order the certification as set forth in that section.

(C) Indicates Change
5. **Ordering Options for Switched and Special Access Service (Cont’d)**

5.2 **Access Order (Cont’d)**

5.2.1 **Access Order Service Date Intervals**

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

- Standard Interval
- Negotiated Interval

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

(A) **Standard Interval**

The Telephone Company shall publish, and make available to all customers, upon request, a schedule of Standard Intervals applicable for Switched and Special Access Services. The schedule shall specify which services and the quantities of services that can be provided in the standard intervals.

Access Services provided in a Standard Interval will be installed during Telephone Company business day. If a customer requests that installation be done outside of normally scheduled work hours, and the Telephone Company agrees to this request, the customer will be subject to applicable Additional Labor Charges as set forth in 13.2.6(A) following.

(B) **Negotiated Interval**

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

1. There is no Standard Interval for the service, or
2. The customer requests a service date before or beyond the applicable Standard Interval service date.
ACCESS SERVICE

5. Ordering Options for Switched and Special Access Service (Cont’d)

5.2 Access Order (Cont’d)

5.2.1 Access Order Service Date Intervals (Cont’d)

(B) Negotiated Interval (Cont’d)

The Telephone Company will offer a service date based on the type and quantity of Access Services the customer has requested. The Negotiated Interval may not exceed by more than six months the Standard Interval Service date, or, when there is no Standard Interval, the Telephone Company offered service date.

All part-time Television service is provided with a Negotiated Interval. Each service is subject to a service inquiry. A service inquiry is a request to the Telephone Company to determine if facilities exist to provide the service ordered and to determine the service date on which service can be provided to the customer.

When the Negotiated Interval is shorter than that which the Telephone Company originally offered, additional charges, including but not limited to special construction charges and charges set forth in Section 13 following for Additional Labor, may also apply.

5.2.2 Access Order Modifications

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

When Telephone Company personnel are dispatched to install a customer’s service on the requested service date, and the customer advises the Telephone Company personnel that service cannot be accepted at that time, the customer shall be responsible for payment of additional labor charges for the time incurred the Telephone Company personnel. The additional labor charges will be applied on per half hour, per technician basis as set forth in Section 13.2 following.

Any increase in the number of Special Access Service channels or Switched Access Service lines or trunks will be treated as a new Access Order (for the increased amount only).

(C) Indicates Change

Issued: July 20, 2000  Effective: July 21, 2000
5. **Ordering Options for Switched and Special Access Service** (Cont’d)

5.2 **Access Order** (Cont’d)

5.2.2 **Access Order Modifications** (Cont’d)

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

(A) **Service Date Change Charge**

Access Order service dates for the installation of new services or rearrangements of existing services may be changed, but the new service date may not exceed the original service date by more than 60 calendar days. When, for any reason, the customer indicates that service cannot be accepted for a period not to exceed 60 calendar days, the Telephone Company will accordingly delay the start of service. If the customer requested service date is more than 60 calendar days after the original service date, the order will be cancelled by the Telephone Company and reissued with the appropriate cancellation charges applied. If the Telephone Company determines it can accommodate the customer’s request without delaying service dates for orders of other customers, a new service date may be established that is prior to the original standard or negotiated interval service date.

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

A Service Date Change Charge will apply, on a per order per occurrence basis, for each service date changed. The applicable charge is:

<table>
<thead>
<tr>
<th></th>
<th>Switched Access Charge</th>
<th>Special Access Charge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Service Date Change Charge, per order</td>
<td>$0.00</td>
<td>$27.00</td>
</tr>
</tbody>
</table>

* This flat rated charge was calculated based upon a 50/50 split between originating and terminating. The FCC in their FCC 11-161 ICC Transformation Order in Section 51.907(d)(1) allowed Price Cap Carriers to use an equal split to divide the charge between originating and terminating elements. When the terminating portion of the rate is reduced and then combined with the originating portion of the rate, a single flat rate is generated for billing purposes.

(C) Indicates Change

Issued: January 9, 2017

Effective: February 8, 2017

17-01A
5. Ordering Options for Switched and Special Access Service (Cont’d)

5.2 Access Order (Cont’d)

5.2.2 Access Order Modifications (Cont’d)

(B) Partial Cancellation Charge

Any decrease in the number of ordered Special Access Service channels or Switched Access Service lines or trunks will be treated as a partial cancellation and the charges as set forth in 5.2.3(A) following will apply.

(C) Design Change Charge

The customer may request a design change to the service ordered. A design change is any change to an Access Order that requires engineering review. An engineering review is a review by Telephone Company personnel, of the service ordered and the requested changes to determine what changes in the design, if any, are necessary to meet the changes requested by the customer. Design changes include such things as the addition or deletion of optional features or functions or a change in the type of Transport Termination (Switched Access only), type of channel interface, type of Interface Group or technical specification package. Design changes do not include a change of customer premises, end user premises, end office switch, Feature Group type or Special Access Service channel type. Changes of this nature will require the issuance of a new order and the cancellation of the original order with appropriate cancellation charges applied.

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

If, as a result of the change, the original service date cannot be met without the Telephone Company incurring additional labor and the customer provides authorization to the Telephone Company to proceed, then charges as set forth in Section 13 will apply. If the customer is unwilling to pay such costs, the service date must be changed in accordance with (A) preceding as a result of the design change.

<table>
<thead>
<tr>
<th></th>
<th>Switched Access Charge</th>
<th>Special Access Charge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design Change Charge *</td>
<td>$12.50 (D)</td>
<td>$27.00</td>
</tr>
</tbody>
</table>

(D) Indicates Change in Rate
(C) Indicates Change

* This flat rated charge was calculated based upon a 50/50 split between originating and terminating. The FCC in their FCC 11-161 ICC Transformation Order in Section 51.907(d)(1) allowed Price Cap Carriers to use an equal split to divide the charge between originating and terminating elements. When the terminating portion of the rate is reduced and then combined with the originating portion of the rate, a single flat rate is generated for billing purposes.

Issued: May 11, 2016  Effective: July 1, 2016
5. **Ordering Options for Switched and Special Access Service (Cont’d)**

5.2 **Access Order (Cont’d)**

5.2.2 **Access Order Modifications (Cont’d)**

(D) **Expeditied Order Charge**

When placing an Access Order, a customer may request a service date that is prior to the standard interval service date. A customer may also request an earlier service date on a pending standard or negotiated interval Access Order. If the Telephone Company determines that service can be provided on the requested date and that additional labor cost or extraordinary costs are required to meet the requested service date, the customer will be notified and will be provided with an estimate of the additional charges involved. Such additional charges will be determined and billed to the customer as follows:

To calculate the additional labor charges, the Telephone Company will, upon authorization from the customer to incur the additional labor charges, keep track of the additional labor hours used to meet the request of the customer and will bill the customer at the applicable Additional Labor charges as set forth in Section 13.2.6(A) following.

When the request for expediting occurs subsequent to the issuance of the Access Order, a Service Date Change Charge as set forth in (A) preceding also applies.
5. **Ordering Options for Switched and Special Access Service** (Cont’d)

5.2 **Access Order** (Cont’d)

5.2.3 **Cancellation of an Access Order**

(A) A customer may cancel an Access Order for the installation of service on any date prior to the service date. The cancellation date is the date the Telephone Company receives written or verbal notice from the customer that the order is to be cancelled. The verbal notice must be followed by written confirmation within 10 days. If a customer or an end user is unable to accept Access Service within 30 calendar days of the latest agreed upon service date, the customer has the choice of the following options:

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

(B) **Reserved For Future Use**

(C) Installation of Switched or Special Access Service facilities is considered to have started when the Telephone Company incurs any cost in connection therewith or in preparation thereof which would not otherwise have been incurred.

(D) Where the customer cancels an Access Order prior to the start of installation of access facilities, no charges shall apply.

(C) **Indicates Change**
5. Ordering Options for Switched and Special Access Service (Cont’d)

5.2 Access Order (Cont’d)

5.2.3 Cancellation of an Access Order (Cont’d)

(E) Where installation of access facilities has been started prior to the cancellation, the following shall apply:

1. If the customer has requested a service date change beyond the original service date, the resulting additional installation days are included in the service interval.

2. When counting the number of days in the service interval or the number of days from the latest agreed upon service date through the Access Order cancellation date, the latest agreed upon service date will count as day one.

3. Except as set forth in (4) following, the cancellation charge will be a percentage of all nonrecurring charges associated with the access order, or that part of the order being canceled. This percentage is calculated by dividing the number of days from latest agreed upon service date through the cancellation date by the number of days in the agreed to service interval. The cancellation charge is then developed by multiplying the nonrecurring charges associated with installation of the canceled service by the calculated percentage.

4. The cancellation charge for OC3, OC12 or OC48 services without separate nonrecurring installation charges (e.g. OptiPoint Service) will be calculated as a percentage of the Optical Service Charge set forth in Section 6.8.5 following for each node associated with the cancelled order. This percentage is calculated as specified in (3) preceding.
ACCESS SERVICE

5. Ordering Options for Switched and Special Access Service (Cont’d)

5.2 Access Order (Cont’d)

5.2.3 Cancellation of an Access Order (Cont’d)

(F) Reserved for Future Use

(G) When a customer cancels an order for the discontinuance of service, no charges apply for the cancellation.

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

5.2.4 Selection Of Facilities For Access Orders

(A) When a customer places an Access Order, it may choose to utilize facilities previously purchased as a facility to a Hub. If the customer has a high capacity interface for use with Switched Access Service Interface Groups 6 and 9, or has a Special Access Service facility purchased to a Hub, the customer must request that specific channels be used to implement the Access Order. If a facility assignment is not specified by the customer, the Telephone Company will provide the service from available inventory as discussed in 5.3 following.

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

5.2.5 Minimum Period

(A) Except as set forth in (C) and (D), and Sections 6.2.7, 6.7.2, 7.4.4, 9.4(A) and 13.3.5 following, the minimum period for which Access Service is provided and for which charges are applicable, is one month.

(B) Reserved For Future Use

(C) Indicates Change

Issued: March 15, 2001 Effective: April 16, 2001
ACCESS SERVICE

5. Ordering Options for Switched and Special Access Service (Cont’d)

5.2 Access Order (Cont’d)

5.2.5 Minimum Period (Cont’d)

(C) Reserved For Future Use

(D) The minimum period for analog and digital high capacity services (facilities) to a Hub is 24 months. The 24 month minimum period applies in lieu of the normal minimum one month period because the activation date and service date on such orders are always the same date.

5.2.6 Minimum Period Charges

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

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

(A) For Switched Access Service, the charge for each remaining month and/or fraction thereof is equal to the applicable minimum monthly charge for the capacity as set forth in Section 6.7.4 following.

(B) For Special Access Service, the charge for each remaining month and/or fraction thereof is the applicable monthly rates for the service as set forth in Section 7.5 following.

The Minimum Period Charge for part-time Television Services is the applicable daily rate for the service as set forth in Section 7.5 following.

(C) Indicates Change

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ACCESS SERVICE

5. Ordering Options for Switched and Special Access Service (Cont’d) (C)

5.2 Access Order (Cont’d) (C)

5.2.7 Shared Use Facilities

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

5.3 Available Inventory

Available inventory is limited and does not include facilities previously ordered. The Telephone Company will make every reasonable effort to maintain sufficient available inventory to provide Access Service in accordance with customers’ requested service date intervals. To the extent that service can be provided, Access Orders will be satisfied from available inventory.

5.4 Reserved For Future Use

(C) Indicates Change

Issued: March 22, 2000
Effective: April 1, 2000
ACCESS SERVICE

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

5.5 Switched Access Service Minimum Capacity Requirements

5.5.1 When Switched Access Service Access Connections are ordered under Access Orders, they will be provided subject to the minimum capacity provisions set forth in 5.1.1 preceding and in 5.5.2 through 5.5.7 following.

5.5.2 There is no minimum capacity for Interface Groups 1 and 2. The minimum capacity provided for Interface Groups 6 and 9, and for which charges are applicable, are set forth in 5.5.6 following.

5.5.3 Reserved For Future Use

5.5.4 When a customer requests analog or digital Interface Groups 6 and 9, the customer is required to order at a minimum, sufficient capacity to utilize 70 percent of the channels.

5.5.5 For the purpose of administering the minimum capacity provisions, Access Orders for Access Connection Interface Groups for different Feature 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.

5.5.6 The following table provides the total capacity of the interface and the thresholds for minimum order requirements.

<table>
<thead>
<tr>
<th>Interface Type</th>
<th>Interface Name</th>
<th>Total Capacity (Channels)</th>
<th>Minimum Capacity (Channels)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analog</td>
<td>Group</td>
<td>12</td>
<td>9</td>
</tr>
<tr>
<td>Analog</td>
<td>Supergroup</td>
<td>60</td>
<td>42</td>
</tr>
<tr>
<td>Analog</td>
<td>Mastergroup</td>
<td>600</td>
<td>420</td>
</tr>
<tr>
<td>Digital</td>
<td>DS1</td>
<td>24</td>
<td>17</td>
</tr>
<tr>
<td>Digital</td>
<td>DS1C</td>
<td>48</td>
<td>34</td>
</tr>
<tr>
<td>Digital</td>
<td>DS3</td>
<td>672</td>
<td>471</td>
</tr>
</tbody>
</table>

(C) Indicates Change

Issued: August 23, 2001  Effective: August 24, 2001
ACCESS SERVICE

5. Ordering Options for Switched and Special Access Service (Cont’d)

5.5 Switched Access Service Minimum Capacity Requirements (Cont’d)

5.5.6 (Cont’d)

The Telephone Company will not provide these Interface Groups when less than 70% of the capacity is ordered. For purposes of grouping, as set forth in 5.5.5 preceding, it shall be assumed that Feature Group A, B or D minutes may be combined.

5.5.7 When Switched Access Service provided from available inventory is disconnected, and the disconnect causes the in service capacity to fall below the minimum requirements, the Telephone Company will, at the option of the customer,

(A) Disconnect all the service subject to the minimum capacity requirements, and all appropriate charges will apply, or

(B) Move the remaining in service capacity to a lesser capacity interface.
6. Switched Access Service

6.1 General

Switched Access Service, which is available to customers for their use in furnishing their services to end users, provides a two-point electrical communications path between a customer’s premises and an end user’s premises. It provides for the use of common terminating, common switching, switched transport facilities, and common subscriber plant of the Telephone Company. Switched Access Service provides for the ability to originate calls from an end user’s premises to a customer’s premises, and to terminate calls from a customer’s premises to an end user’s premises in the LATA where it is provided. Specific references to material describing the elements of Switched Access Service are provided in 6.1.1 and 6.1.2 following.

Rates and charges for Switched Access Service depend generally on its use by the customer, i.e., for MTS or WATS services, MTS-WATS equivalent services, or other services (e.g., foreign exchange service). Rates and charges for Switched Access Service are set forth in 6.8 following. The application of rates for Switched Access Service is described in 6.7 following. Rates and charges for services other than Switched Access Service, e.g., a customer’s interLATA and intraLATA toll message service, may also be applicable when Switched Access Service is used in conjunction with these other services. Descriptions of such applicability are provided in 6.2.1(A)(7), 6.2.1(B)(3), 6.2.2(A)(5), 6.2.2(B)(3), 6.2.4(A)(4), 6.7.9 and 6.7.11 following.

6.1.1 Switched Access Service Arrangements and Manner of Provision

Switched Access Service is provided in five service categories of standard and optional features called Feature Groups A, B and D, Interim 500 and Toll Free Code (TFC) Access Service. They are differentiated by their technical characteristics, e.g., line side vs. trunk side connection at the Telephone Company entry switch, and the manner in which an end user accesses them in originating calls, e.g., with or without an access code. Following is a brief description of each type of Switched Access Service arrangement.
6. **Switched Access Service** (Cont'd)

6.1 **General** (Cont'd)

6.1.1 **Switched Access Service Arrangements and Manner of Provision** (Cont'd)

(A) **Feature Group A (FGA)**

FGA Access provides line side access to Telephone Company end office switches with an associated seven digit local telephone number for the customer's use in originating and terminating communications to an Interexchange Carrier's intrastate service or a customer provided intrastate communications capability. The customer must specify the Interexchange Carrier to which the FGA service is connected or in the alternative, specify the means by which the FGA access communications is transported to another LATA. Special Access Services utilized for connection with FGA at Telephone Company designated WATS Serving Offices, as set forth in Section 7 following, may be ordered separately by a customer other than the customer which orders the FGA Switched Access Service. Special Access Services are ordered as set forth in Section 5.2 preceding. A more detailed description of FGA Access is provided in 6.2.1 following.

(B) **Feature Group B (FGB)**

FGB Access provides trunk side access, either by direct trunks to Telephone Company end office switches or between an access tandem and Telephone Company subtending end office switches, with an associated uniform 950-XXXX access code for the customer's use in originating and terminating communications to an Interexchange Carrier's intrastate service or a customer provided intrastate communications capability. The customer must specify the Interexchange Carrier to which the FGB service is connected, or in the alternative, specify the means by which the FGB access communications is transported to another LATA. Special Access Services utilized for connection with FGB at Telephone Company designated WATS Serving Offices, as set forth in Section 7 following, may be ordered separately by a customer other than the customer which orders the FGB Switched Access Service. Special Access Services are ordered as set forth in Section 5.2 preceding. A more detailed description of FGB Access is provided in 6.2.2 following.

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Effective: April 1, 2000
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6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.1 Switched Access Service Arrangements and Manner of Provision (Cont'd)

(C) Reserved For Future Use

(D) Feature Group D (FGD)

FGD Access, which is available to all customers, provides trunk side access to Telephone Company end office switches with an associated 101XXXX Carrier Access Code (CAC) for the customer’s use in originating and terminating communications. Special Access Services utilized for connection with FGD at Telephone Company designated WATS serving offices as set forth in Section 7 following may be ordered separately by a customer other than the customer that orders the FGD Switched Access Service. Special Access Services are ordered as set forth in Section 5.2 preceding. A more detailed Description of FGD Access is provided in 6.2.4 following.

(E) Toll Free Code (TFC) Access Service

Toll Free Code (TFC) Access Service is an originating service that is provided via TFC Access Service switched trunk groups, or may be provided in conjunction with FGB or FGD. The Service provides for the forwarding of end user dialed TFC calls to a Telephone Company Service Switching Point (SSP) which will initiate a query to the Telephone Company’s TFC data base to perform the customer identification function. The call is forwarded to the appropriate customer based on the dialed TFC number. The customer has the option of having the TFC dialed number (i.e., 8XX-NXX-XXXX) or, if the TFC to local exchange number translation optional feature is specified, a translated ten-digit local exchange number (i.e., NPA-NXX-XXXX) delivered to the customer premises.

(C) Indicates Change

Issued: March 22, 2000 Effective: April 1, 2000
6. **Switched Access Service** (Cont'd)

6.1 **General** (Cont'd)

6.1.1 **Switched Access Service Arrangements and Manner of Provision** (Cont’d)

(E) **Toll Free Code (TFC) Access Service (Interim)** (Cont’d)

When TFC Access Service traffic is combined in the same trunk group arrangement with other traffic, usage for the TFC Access Service traffic will be aggregated with the other traffic for billing purposes. When separate trunk groups are provided for TFC Access Service, usage will be provided separately. A more detailed description of TFC Access Service is as set forth in 6.2.5.

(F) **Interim 500 Access Service**

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

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

When Interim 500 Access Service traffic is combined in the same trunk group arrangement with other traffic, usage for the Interim 500 Access Service traffic will be aggregated with the other traffic for billing purposes. When separate trunk groups are provided for Interim 500 Access Service, usage will be provided separately. A more detailed description of Interim 500 Access Service is as set forth in 6.2.6.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.1 Switched Access Service Arrangements and Manner of Provision (Cont’d)

(G) Manner of Provision

Switched Access is furnished in either quantities of lines or trunks. FGA Access is furnished on a per-line basis, and FGB and FGD are furnished on a per trunk basis.

Trunks are differentiated by type and directionality of traffic carried over a Switched Access Service arrangement. Differentiation of traffic is necessary for the Telephone Company to properly design Switched Access Service to meet the traffic carrying capacity requirement of the customer.

There are three major traffic types. These are originating, terminating, and Directory Assistance. Originating traffic type represents access capacity within a LATA for carrying traffic from the end user to the customer. Terminating traffic type represents access capacity within a LATA for carrying traffic from the customer to the end user; and, Directory Assistance traffic type represents access capacity within an exchange for carrying Directory Assistance traffic from the customer to a Directory Assistance location. When ordering capacity for FGB Access or FGD Access, the customer must at a minimum specify such access capacity in terms of originating traffic type and/or terminating traffic type. Directory Assistance Access Service is ordered as set forth in Section 9 following.

Because some customers will wish to further segregate their originating FGD traffic into separate trunk groups, originating traffic type is further categorized into domestic, 500, TFC, 900, operator, and IDDD. Domestic traffic type represents access capacity for carrying only domestic traffic other than 500, TFC, 900, and operator traffic; IDDD traffic type represents access capacity for carrying only international traffic; and, 500, TFC, 900, and operator traffic types represent access capacity for carrying, respectively, only 500, TFC, 900, or operator traffic. When ordering such types of access capacity, the customer must specify domestic, 500, TFC, 900, operator, or IDDD traffic type.

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6. **Switched Access Service** (Cont'd)

6.1 **General** (Cont'd)

6.1.2 **Rate Categories**

There are three rate categories that apply to Switched Access Service:

- Switched Transport (described in 6.1.2(A) following)
- Local Switching (described in 6.1.2(B) following)
- Carrier Charge (described in Section 3.8)

In addition to these three rate categories, there are also charges that apply only to Interim 500 and TFC Access Service. The description and application of TFC Access Service charges are set forth in 6.1.2(C) and 6.7.1(C)(3) following. The description and application of 500 Access Service charges are set forth in 6.1.3(E), 6.7.1(C)(4), and 6.7.14 following.
6. **Switched Access Service** (Cont'd)

6.1 **General** (Cont'd)

6.1.2 **Rate Categories** (Cont'd)

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

(A) **DIRECT-TRUNKED TRUNK SIDE SERVICES AND ORIGINATING LINE SIDE SERVICES**

Note:
An exception to mileage measurement for originating line side services is set forth in 6.7.11 (Determining Switched Transport Mileage and Charges)

- **CCL**: CARRIER COMMON LINE
- **LS**: LOCAL SWITCHING
- **DTT**: DIRECT-TRUNKED TRANSPORT
- **EF**: ENTRANCE FACILITY
- **DTP**: DEDICATED TRUNK PORT

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6. **Switched Access Service** (Cont'd)

6.1 **General** (Cont'd)

6.1.2 **Rate Categories** (Cont'd)

(B) **TANDEM-SWITCHED TRUNK SIDE SERVICES**

- CCL: CARRIER COMMON LINE
- LS: LOCAL SWITCHING
- T-ST: TANDEM-SWITCHED TRANSMISSION (FIXED & PER MILE)
- T-SW: TANDEM SWITCHING
- DTT: DIRECT-TRUNKED TRANSPORT
- EF: ENTRANCE FACILITY
- CTP: COMMON TRUNK PORT
- CM: COMMON MULTIPLEXING
- DTP: DEDICATED TRUNK PORT
- DM: DEDICATED MULTIPLEXING

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6. **Switched Access Service** (Cont'd)

6.1 **General** (Cont'd)

6.12 **Rate Categories** (Cont'd)

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**Access Service**

**Switched Access Service**

**Terminating Line Side Services**

- **End User**
- **End Office**
- **Dial Tone Office**
- **Wire Center Serving Customer**

**Switched Access Service**

**Direct-Trunked Host/Remote Arrangements**

- **End User**
- **RSS/RSM**
- **Host Office**
- **Wire Center Serving Customer**

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**Terminating Line Side Services**

- **CCL**: Carrier Common Line
- **LS**: Local Switching
- **T-ST**: Tandem-Switched Transmission (Fixed and Per Mile)
- **DTT**: Direct-Trunked Transport
- **EF**: Entrance Facility
- **CTP**: Common Trunk Port
- **CM**: Common Transport Multiplexing
- **DM**: Dedicated Multiplexing

**Direct-Trunked Host/Remote Arrangements**

- **CCL**: Carrier Common Line
- **LS**: Local Switching
- **T-ST**: Tandem-Switched Transmission (Fixed and Per Mile)
- **DTT**: Direct-Trunked Transport
- **EF**: Entrance Facility
- **RSS/RSM**: Remote Switching System/Remote Switching Module
- **CTP**: Common Trunk Port
- **CM**: Common Multiplexing
- **DM**: Dedicated Multiplexing
6. **Switched Access Service** (Cont'd)

6.1 **General** (Cont'd)

6.1.2 **Rate Categories** (Cont'd)

(E) **TANDEM-SWITCHED HOST/REMOTE ARRANGEMENTS**

- **CCL**: CARRIER COMMON LINE
- **LS**: LOCAL SWITCHING
- **T-ST**: TANDEM-SWITCHED TRANSMISSION (FIXED AND PER MILE)
- **DTT**: DIRECT-TRUNKED TRANSPORT
- **EF**: ENTRANCE FACILITY
- **RSS/RSM**: REMOTE SWITCHING SYSTEM/REMOTE SWITCHING MODULE
- **CTP**: COMMON TRUNK PORT
- **CM**: COMMON MULTIPLEXING
- **DTP**: DEDICATED TRUNK PORT
- **DM**: DEDICATED MULTIPLEXING

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6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(A) Switched Transport

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

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

6. **Switched Access Service (Cont'd)**

6.1 **General (Cont'd)**

6.1.2 **Rate Categories (Cont'd)**

(A) **Switched Transport (Cont'd)**

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

Switched Transport is ordered under the Access Order provisions set forth in Section 5 preceding. Ordering provisions as set forth in Section 2.4.8 preceding will apply when more than one Exchange Telephone Company is involved in the provision of a Switched Transport facility.

(1) **Entrance Facility**

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

The Entrance Facility rate element includes the transmission medium of the facility as well as certain circuit equipment that is used at the ends of the facility and employed to provision the channels on the transmission medium. The Entrance Facility rate element also includes an Interface Group, as set forth in 6.4.3 following, which defines the technical characteristics and types of signaling capability associated with the connection (i.e., voice grade, DS1, DS3, STS1 or OptiPoint) that comprises the Entrance Facility. The following types of Entrance Facility are available:

(a) **Voice Grade Entrance Facility**

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

6. **Switched Access Service** (Cont'd)

6.1 **General** (Cont'd)

6.1.2 **Rate Categories** (Cont'd)

(A) **Switched Transport** (Cont'd)

(1) **Entrance Facility** (Cont'd)

(a) **Voice Grade Entrance Facility** (Cont'd)

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

(b) **DS1 Entrance Facility**

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

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

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(1) Entrance Facility (Cont'd)

(c) DS3 Entrance Facility

DS3 Entrance Facility provides 28 DS1s or 672 channels for the transmission of nominal 44.736 Mbps isochronous serial data.

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

DS3 Entrance Facility rates may vary based on distance. The mileage used to determine the monthly rate for entrance facilities located outside a Telephone Company Central Office is the airline distance between the customer's designated premises and the Telephone Company serving wire center. The mileage measurement is determined by utilizing exchange maps and mileage tables located in designated Telephone Company offices for such purposes.

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

(d) STS1 Entrance Facility

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

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

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6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(1) Entrance Facility (Cont'd)

(d) STS1 Entrance Facility (Cont'd)

Customers ordering STS1 service must specify the interface requested (i.e., STS1 interface or DS3 interface) and how the signal is to be formatted (i.e., STS1, STS1 with VT1.5 mapping, or STS1 with DS3 mapping). An STS1 with VT1.5 mapping can be multiplexed to 28 DS1s using the STS1/DS1 Multiplexing optional feature set forth in 6.1.2(A)(5)(d) following. Virtual Tributary (VT) mapping is a SONET structure designed for the transport of sub-STS1 payloads. A DS1 is mapped into the SONET format using a VT1.5 as a packaging mechanism that is internal to the SONET signal.

Current SONET standards do not provide for asynchronous DS3 to DS1 multiplexing. An STS1 may be mapped for either one DS3 or 28 DS1s. However, individual DS1s within a DS3 are not accessible within the SONET architecture, and their performance cannot be guaranteed for this reason. When the customer requests that an STS1 be mapped as a DS3 multiplexed to the DS1 level, a DS3 to DS1 multiplexing arrangement, as set forth in 6.1.2(A)(5)(d) following will be required.

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

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

6. **Switched Access Service** (Cont'd)

   6.1 **General** (Cont'd)

      6.1.2 **Rate Categories** (Cont'd)

         (A) **Switched Transport** (Cont’d)

            (1) **Entrance Facility** (Cont’d)

            (e) **OptiPoint Entrance Facilities**

              OptiPoint entrance facilities provide point-to-point high speed synchronous optical fiber-based full duplex data transmission capabilities. A detailed service description for OptiPoint Services is set forth in 6.2.7 following.
6. **Switched Access Service** (Cont'd)

6.1 **General** (Cont'd)

6.1.2 **Rate Categories** (Cont'd)

(A) **Switched Transport** (Cont’d)

(2) **Direct-Trunked Transport**

Direct-Trunked Transport provides the communication path between the serving wire center of a customer’s premises and an end office or between the serving wire center and an access tandem when transport from the access tandem to the end office is routed on circuits used in common by multiple access customers. Direct-Trunked Transport is dedicated to the use of a single customer and does not require switching at an access tandem. Direct-Trunked Transport is available for use with all line side and trunk side Switched Access services.

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

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

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

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6. **Switched Access Service (Cont'd)**

6.1 **General (Cont'd)**

6.1.2 **Rate Categories (Cont'd)**

(A) **Switched Transport (Cont'd)**

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

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

(3) **Tandem-Switched Transport**

Tandem-Switched Transport provides the communication path between the access tandem and an end office that subtends that tandem, and includes tandem switching functions. Tandem-Switched Transport is available for use with all trunk side Switched Access services. Tandem-Switched Transport is not available for use with line side Switched Access services.

Tandem-Switched Transport provides for the transmission facilities between the access tandem and an end office that subtends the tandem. For examples of Tandem Switched Transport see Section 2.4.8 preceding. Tandem-Switched Transport is composed of four sub-elements:

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

6. **Switched Access Service (Cont'd)**

   6.1 **General (Cont'd)**

   6.1.2 **Rate Categories (Cont'd)**

   (A) **Switched Transport (Cont'd)**

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

   (a) (Cont'd)

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

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

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6. **Switched Access Service** (Cont'd)

6.1 **General** (Cont'd)

6.1.2 **Rate Categories** (Cont'd)

(A) **Switched Transport** (Cont'd)

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

(c) Common Transport Multiplexing provides for the use of the multiplexing equipment at the remote, the end office, and at the access tandem. The common transport multiplexing rate element is assessed on a per minute of use basis at both the end office and tandem.

(d) Dedicated Transport Multiplexing provides for the use of multiplexing equipment at the end office and access tandem. The dedicated transport multiplexing rate element is a flat rated charge and is assessed at both the end office and tandem. Dedicated transport multiplexing is provided at the rates set forth in 6.8.1(D)(4)(b) following for DS3 to DS1 multiplexing.

(e) **Tandem Trunk Port**

The trunk port rate elements are defined as follows:

- **Common Trunk Port**

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

- **Dedicated Trunk Port**

  The Dedicated Trunk Port provides for termination of a dedicated trunk as a trunk side arrangement to an end office or provides access into the access tandem at the serving wire center side of the switch.
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6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

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

(e) Tandem Trunk Port (Cont'd)

Switched Transport is provided at the rates and charges as set forth in 6.8.1 following. The application of these rates with respect to individual Switched Access Service Arrangements is set forth in 6.7.1(D) following.

The number of Switched Transport transmission paths and terminations provided is based on the customer’s order and is determined by the Telephone Company as set forth in 6.5.5 following.

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6. **Switched Access Service** (Cont'd)

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6. **Switched Access Service** (Cont’d)

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(C)

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6. **Switched Access Service** (Cont'd)

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6. **Switched Access Service (Cont'd)**

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6. **Switched Access Service** (Cont'd)

   Reserved For Future Use

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6. **Switched Access Service** (Cont'd)

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6. **Switched Access Service** (Cont'd)

   Reserved For Future Use

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6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(4) Nonchargeable Optional Features

Where transmission facilities permit, the Telephone Company will, at the option of the customer, provide the following optional features in association with the Interface Groups listed in 6.4.3(A) through 6.4.3(I) following. Only those Interface Groups referenced with each optional feature will be provided with that feature.

(a) Supervisory Signaling

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

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6. **Switched Access Service** (Cont'd)

6.1 **General** (Cont'd)

6.1.2 **Rate Categories** (Cont'd)

(A) **Switched Transport** (Cont’d)

(4) **Nonchargeable Optional Features** (Cont’d)

(a) **Supervisory Signaling** (Cont’d)

- For Interface Groups 1 and 2

  DX Supervisory Signaling,
  E&M Type I Supervisory Signaling,
  E&M Type II Supervisory Signaling, or
  E&M Type III Supervisory Signaling

- For Interface Group 2

  SF Supervisory Signaling, or
  Tandem Supervisory Signaling

- For Interface Groups 6 and 9

  These Interface Groups may, at the option of the customer, be provided with individual transmission path SF supervisory signaling where such signaling is available in Telephone Company central offices. Generally such signaling is available only where the entry switch provides an analog, i.e., non-digital, interface to the transport termination and a portion of the facility between the analog entry switch and the customer’s premises is analog.

(b) **Improved Return Loss**

This feature provides Improved Return Loss, expressed as Echo Return Loss and Singing Return Loss, on two-wire ports of a four-wire point of termination. The specific parameters guaranteed are set forth in 6.4.1 following. This feature is available with all Feature Groups.

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6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(4) Nonchargeable Optional Features (Cont'd)

(c) Data Transmission Parameters

Where transmission facilities permit, the Customer may order Data Transmission Parameters for each transmission path in association with Interface Groups 1, 2, 6 and 9. This feature includes the provision of trouble testing by the Telephone Company, either independently or cooperatively with the Customer, of parameters normally associated with data transmission. The Telephone Company will, upon receipt of a trouble report from the Customer, conduct tests either independently or cooperatively with the Customer as appropriate, and take any necessary action to insure that the parameters set forth in Section 6.4.2(A) or 6.4.2(B) are met. In those cases where the Customer specifically requests that Telephone Company personnel conduct tests, Maintenance of Service charges will be imposed where applicable in accordance with Section 13.3.1.

(5) Chargeable Optional Features

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

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

(b) Customer Specification of Feature Group Directionality

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

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6. **Switched Access Service (Cont'd)**

6.1 **General (Cont'd)**

6.1.2 **Rate Categories (Cont'd)**

(A) **Switched Transport (Cont'd)**

(5) **Chargeable Optional Features (Cont'd)**

(c) **Customer Specification of Switched Transport Termination**

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

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6. **Switched Access Service** (Cont'd)

   6.1 **General** (Cont'd)

   6.1.2 **Rate Categories** (Cont'd)

   (A) **Switched Transport** (Cont'd)

   (5) **Chargeable Optional Features** (Cont'd)

   (d) **Multiplexing**

Multiplexing provides for arrangements to convert a single higher capacity or bandwidth circuit for bulk transport to several lower capacity or bandwidth circuits. Multiplexing is only available at Telephone Company designated Hubs (end offices) arranged for multiplexing or at the access tandem trunk on the serving wire center side of the access tandem. All types of multiplexing may not be available at each Hub location.

Listed below are the multiplexing arrangements offered with switched access:

1. **DS1 to Voice**

   An arrangement that multiplexes twenty-four voice grade circuits to 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.

2. **DS3 to DS1**

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

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(A) Switched Transport (Cont’d)

(5) Chargeable Optional Features (Cont’d)

(d) Multiplexing (Cont’d)

Listed below are...(Cont’d)

3. STS1/DS1 Multiplexing

An arrangement that provides transport of sub-STS1 payloads by converting an STS1 with VT1.5 mapping to 28 DS1s. The STS1/DS1 Multiplexing feature is available at Telephone Company provided fiber optic terminals equipped with VT1.5 configuration cards.

The options described in (a), (b) and (c) preceding are rated on an individual case basis with both nonrecurring charges and monthly recurring rates applying. The rates and charges applicable for the multiplexing options described in (d) preceding are set forth in 6.8.1(D) following.
6. **Switched Access Service** (Cont'd)

6.1 **General** (Cont'd)

6.1.2 **Rate Categories** (Cont'd)

(B) **Local Switching**

The Local Switching rate element provides for the use of end office switching equipment for the termination of end user lines in the local end office, and for the termination of a call at a Telephone Company operator or recording. End user lines may be provided as either Common Lines or Special Access Channel Terminations utilized for connection with Switched Access Service at Telephone Company designated WATS Serving Offices. Common Lines are discussed in Sections 3 and 4 preceding, while Special Access Channel Terminations are discussed in Section 7 following. There are various types of originating and terminating line side terminations depending on the type of signaling used (i.e., loop start or ground start). Line side terminations are available with either dial pulse or dual tone multifrequency address signaling.

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

Local Switching is divided into two distinct categories, i.e., LS1 and LS2. The first category, LS1, provides local dial switching for Feature Groups A and B. The second category, LS2, provides local dial switching for Feature Group D.

Where end offices are appropriately equipped, international dialing may be provided as a capability associated with LS2. International dialing provides the capability of switching international calls with service prefix and address codes having more digits than are capable of being switched through a standard FGD equipped end office.
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6. **Switched Access Service** (Cont'd)

6.1 **General** (Cont'd)

6.1.2 **Rate Categories** (Cont'd)

   (B) **Local Switching** (Cont'd)

   Rates for LS1 and LS2 are set forth in 6.8.2 following. The application of these rates with respect to individual Feature Groups is as set forth in 6.7.1(D) following.

   Included as part of Local Switching are various optional features which the customer can order to meet its specific communications requirements. These optional features are described in 6.3 following.
6. **Switched Access Service** (Cont'd)

   6.1 **General** (Cont'd)

   6.1.2 **Rate Categories** (Cont'd)

   Reserved For Future Use

(C) Indicates Change

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6. **Switched Access Service** (Cont'd)

6.1 **General** (Cont'd)

6.1.2 **Rate Categories** (Cont'd)

(C) **Toll Free Code (TFC) Access Service**

The TFC Access Service Data Base Query Charge, as set forth in Section 6.8.3 (A) following, will apply for each TFC call query received at the Telephone Company’s TFC data base. Per query charges will be accumulated over a monthly period and billed to the customer on a monthly basis.

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6. Switched Access Service (Cont’d)

6.1 General (Cont’d)

6.1.2 Rate Categories (Cont’d)

6.1.2.1 Toll Free Code (TFC) Access Service (Cont’d)

Included as a part of TFC Access Service are various optional service features, described in Section 6.2.5(C) following, which the customer may specify to meet its specific requirements. The rates for the TFC Data Base Optional Service Features are set forth in Section 6.8.3(B) following and will apply on a per query basis. When a combination of one or more optional service features is specified, only one such charge shall apply. Per query service option charges will be accumulated over a monthly period and billed to the customer on a monthly basis.

6.1.2.2 Interim 500 Access Service Nonrecurring Charges

The Interim 500 Access Service nonrecurring charge is assessed depending upon how the service is ordered:

(1) If the service is ordered for the state or LATA, the customer charge for the assembly of route tables is assessed for each end office/tandem the Telephone Company serves in the state or LATA. A second nonrecurring charge element applies per NXX activated or deactivated, times the number of Telephone Company access tandems or end offices modified to perform six digit screening for Interim 500 Access Service.

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

(C) Indicates Change

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(D) Interim 500 Access Service Nonrecurring Charges (Cont’d)

The route pattern nonrecurring charge applies only once, on the customer’s initial request to the Telephone Company for Interim 500 Access Service in each LATA within the state. If the customer places an order using option (2) above, the route pattern nonrecurring charge applies to each end office specified in the order received.

(E) Zone Density Charges

Zone density charges are applicable only to DS1 and DS3 switched access services (i.e., Entrance Facility, Direct-Trunked Transport, Tandem Switched Transmission, Tandem Switching, and DS1 to Voice and DS3 to DS1 Multiplexing) provided at the Telephone Company designated exchanges set forth in Section 6.7.16 following. Zone density charges are recurring rates that apply each month or fraction thereof that a DS1 or DS3 switched access service is provided. For billing purposes, each month is considered to have 30 days.

6.1.3 Special Facilities Routing

A customer may request that the facilities used to provide Switched Access Service be specially routed. The regulations, rates and charges for Special Facilities Routing (i.e., Avoidance, Diversity and Cable-Only) are as set forth in Section 11 following.

6.1.4 Design Layout Report

At the request of the customer, the Telephone Company will provide to the customer the makeup of the Telephone Company facilities and services provided from the customer’s premises to the first point of switching. This information will be provided in the form of a Design Layout Report. The Design Layout Report will be provided to the customer at no charge and will be reissued or updated whenever these facilities are materially changed.

6.1.5 Testing

(A) Acceptance Testing

At the customer’s request, the Telephone Company will cooperatively test certain parameters at the time of installation. For line side and trunk side feature groups and for Voice Grade Switched Transport facilities, the Telephone Company will test the following parameters: loss, c-notched noise, c-message noise, 3-tone slope, d.c. continuity, and operational signaling.

(C) Indicates Change

Some material omitted from this page now appears on Page 135.3
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6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.5 Testing (Cont'd)

(A) Acceptance Testing (Cont'd)

For DS1 and DS3 Switched Transport facilities, acceptance tests will include tests for the parameters applicable to the service as specified in Technical Reference Publication GR-342. When Switched Transport is provided with Interface Groups 2, 6 and 9, and the Transport Termination is two-wire (i.e., there is a four-wire to two-wire conversion in Switched Transport), balance parameters (equal level echo path loss) may also be tested. The customer will not be charged for these tests.

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

(B) In-Service Testing

At the customer's request, the Telephone Company will provide In-Service Testing of Switched Access services charged for these tests. These In-Service Tests will be provided on an automatic basis (i.e., no Telephone company or customer technicians involved) or on a cooperative basis (i.e., Telephone Company technician(s) involved at the Telephone Company end office and customer technician(s) involved at the customer's premises). The parameters to be tested include: 1004 Hz loss, c-message noise, and balance (return loss).

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

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

Additional tests may be ordered as set forth in 13.3.5 following. Charges for these additional tests are set forth in 13.3.5(C).

(C) Indicates change
Some of this material previously appeared on Page 135.2.
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6. **Switched Access Service** (Cont'd)

6.1 **General** (Cont'd)

6.1.6 **Ordering Options and Conditions**

Switched Access Service is ordered under the Access Order provisions set forth in Section 5 preceding. Also, included in that section are other charges which may be associated with ordering Switched Access Service (e.g., Service Data Change Charges, Cancellation Charges, etc.).

6.2 **Provision and Description of Switched Access Service Arrangements**

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

There are three specific transmission specifications (i.e., Types A, B and C) that have been identified for the provision of Switched Access Service. The specifications provided are dependent on the Interface Group and the routing of the service, i.e., whether the service is routed directly to the end office or via an access tandem. The parameters for the transmission specifications are set forth in 6.4.1 following.

Feature Groups are arranged for either originating, terminating or two-way calling, based on the customer end office switching capacity ordered, while Interim 500 and TFC Access Service are arranged for originating calling only. Originating calling permits the delivery of calls from Telephone Exchange Service locations to the customer's premises.
ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

Terminating calling permits the delivery of calls from the customer’s premises to Telephone Exchange Service locations. Two-way calling permits the delivery of calls in both directions, but not simultaneously. The Telephone Company will determine the type of calling to be provided unless the customer requests that a different type of directional calling is to be provided. In such cases, the Telephone Company will work cooperatively with the customer to determine the directionality.

There are various chargeable and nonchargeable optional features available with the Switched Access Service. These additional optional features are provided as Switched Transport and Local Switching options.

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

The Local Switching optional features, which are described in 6.3 following, unless specifically stated otherwise, are available at all suitable equipped Telephone Company end office switches.

6.2.1 Feature Group A (FGA)

(A) Description

(1) FGA is provided in connection with Telephone Company end offices. At the option of the customer, FGA is provided on a single or multiple line group basis and is arranged for originating calling only, terminating calling only, or two-way calling.
6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.1 Feature Group A (FGA) (Cont'd)

(A) Description (Cont'd)

(2) FGA provides a line side termination at the first point of switching. The line side termination will be provided with either ground start supervisory signaling or loop start supervisory signaling. The type of signaling is at the option of the customer.

(3) The Telephone Company shall select the first point of switching, within the selected LATA, at which the line side termination is to be provided unless the customer requests a different first point of switching and Telephone Company facilities and measurement capabilities, where necessary, are available to accommodate such a request.

(4) A seven digit local telephone number assigned by the Telephone Company is provided for access to FGA switching in the originating direction. The seven digit local telephone number will be associated with the selected end office switch and is of the form NXX-XXXX.

If the customer requests a specific seven digit telephone number that is not currently assigned, and the Telephone Company can, with reasonable effort, comply with that request, the requested number will be assigned to the customer.
ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd) (C)

6.2.1 Feature Group A (FGA) (Cont'd) (C)

(A) Description (Cont'd) (C)

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

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

(7) FGA switching, when used in the terminating direction, may be used to access valid NXXs in the LATA, local operator assistance (0- and 0+), Directory Assistance (411 where available and 555-1212), emergency reporting service (911 where available), exchange telephone repair (611 where available), time or weather announcement services of the Telephone Company, community information services of an information service provider, and other customer services.
6. **Switched Access Service** (Cont'd)

6.2 **Provision and Description of Switched Access Service Arrangements** (Cont'd) (C)

6.2.1 **Feature Group A (FGA)** (Cont'd) (C)

(A) **Description** (Cont'd) (C)

(7) (Cont'd) (C)

(by dialing the appropriate digits.) Charges for FGA terminating calls requiring operator assistance or calls to 611 or 911 will only apply where sufficient call details are available.

Additional non-access charges will also be billed on a separate account for (1) an operator surcharge, as set forth in the local exchange tariffs, for local operator assistance (0- and 0+) calls; (2) calls to certain community information services, for which rates are applicable under Telephone Company exchange service tariffs, e.g., 976 (DIAL-IT) Network Services and, (3) calls from a FGA line to another customer’s service in accordance with that customer’s applicable service rates when the Telephone Company performs the billing function for that customer, including interLATA toll (1+) calls. For calls to Directory Assistance (411 where available and 555-1212), Switched Transport rates for FGA Switched Access Service will apply.

(8) When a FGA switching arrangement for an individual customer (a single line or entire hunt group) is discontinued at an end office, an intercept announcement is provided. This arrangement provides, for a period of 90 days, an announcement that the service associated with the number dialed has been disconnected.
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6. **Switched Access Service** (Cont'd)

6.2 **Provision and Description of Switched Access Service Arrangements** (Cont'd)

6.2.1 **Feature Group A (FGA)** (Cont'd)

(B) Optional Features (where equipment is available)  

(1) Local Switching Optional Features

(a) Hunt Group Arrangement
(b) Uniform Call Distribution Arrangement
(c) Nonhunting Number for Use with Hunt Group Arrangement or Uniform Call Distribution Arrangement
(d) Call Denial
(e) Service Code Denial
(f) InterLATA Call Denial
(g) Hunt Group Arrangement for Use with Special Access Service utilized for connection with Switched Access Service
(h) Uniform Call Distribution Arrangement for Use with Special Access Service utilized for connection with Switched Access Service
(i) Nonhunting Number for Use with Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use with Special Access Service utilized for connection with Switched Access Service
(j) Band Advance Arrangement for Use with Special Access Service utilized for connection with Switched Access Service
(k) Two-way operation with dial pulse address signaling and loop start supervisory signaling.
(l) Two-way operation with dial pulse address signaling and ground start supervisory signaling.
(m) Two-way operation with dual tone multifrequency address signaling and loop start supervisory signaling
(n) Two-way operation with dual tone multifrequency address signaling and ground start supervisory signaling
(o) Terminating operation with dial pulse address signaling and loop start supervisory signaling
(p) Terminating operation with dial pulse address signaling and ground start supervisory signaling
(q) Terminating operation with dual tone multifrequency address signaling and loop start supervisory signaling

(C) Indicates Change

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6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.1 Feature Group A (FGA) (Cont'd)

(B) Optional Features (where equipment is available) (Cont'd)

(1) Local Switching Optional Features (Cont'd)

(r) Terminating operation with dual tone multifrequency address signaling and ground start supervisory signaling

(s) Originating operation with loop start supervisory signaling

(t) Originating operation with ground start supervisory signaling

(u) Call Screening

(v) Call Restriction

(2) Switched Transport Optional Features

(a) Supervisory Signaling

(b) Improved Return Loss

(c) Data Transmission Parameters

(3) Certain other features which may be available in connection with Feature Group A are provided under the Telephone company's local and/or general exchange service tariffs. These are:

(a) Custom Calling Features

(b) Bill Number Screening

(c) IntraLATA extensions

(C) Indicates Change

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6. **Switched Access Service** (Cont'd)

6.2 **Provision and Description of Switched Access Service Arrangements** (Cont'd)

6.2.1 **Feature Group A (FGA)** (Cont'd)

(C) **Transmission Performance**

FGA is provided with either Type B or Type C Transmission Specifications. The specifications for the associated parameters are guaranteed to the first point of switching. Type C Transmission specifications are provided with Interface Group 1 and Type B is provided with Interface Groups 2, 6 and 9. Type DB Data Transmission Parameters are provided with FGA to the first point of switching.

(D) **Testing Capabilities**

FGA is provided, in the terminating direction where equipment is available, with seven digit access to balance (100 type) test line and milliwatt (102 type) test line. In addition to the Acceptance Tests described in 6.1.5 preceding, which are included with the installation of service, additional tests are available for FGA as set forth in 13.3.5 following.

6.2.2 **Feature Group B (FGB)**

(A) **Description**

(1) FGB, when directly routed to an end office (i.e., provided without the use of an access tandem switch), is provided at appropriately equipped Telephone Company electronic end office switches. When provided via Telephone Company designated electronic access tandem switches, FGB switching is provided at Telephone Company end office switches.
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6. **Switched Access Service** (Cont'd)

   6.2 **Provision and Description of Switched Access Service Arrangements** (Cont'd)

      6.2.2 **Feature Group B (FGB) (Cont’d)**

      (A) **Description** (Cont’d)

         (2) FGB is provided as trunk side switching through the use of end office or access tandem switch trunk equipment. The switch trunk equipment is provided with wink start start-pulsing signals and answer and disconnect supervisory signaling.

         (3) FGB switching is provided with multifrequency address signaling in both the originating and terminating directions. Except for FGB switching provided with the automatic number identification (ANI) or rotary dial station signaling arrangements as set forth in 6.3 following, any other address signaling in the originating direction, if required by the customer, must be provided by the customer’s end user using inband tone signaling techniques. Such inband tone address signals will not be regenerated by the Telephone Company and will be subject to the ordinary transmission capabilities of the Switched Transport provided.

         (4) The access code for FGB switching is a uniform access code. The form of the uniform access code is 950-XXXX for carriers. These uniform access codes will be the assigned access numbers of all FGB Switched Access Service provided to the customer by the Telephone Company.

(C) Indicates Change

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6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd) (C)

6.2.2 Feature Group B (FGB) (Cont'd) (C)

(A) Description (Cont'd)

(5) FGB switching, when used in the terminating direction and routed through an access tandem, may be used to access only valid NXX codes served by end offices subtending the access tandem, time or weather announcement services of the Telephone Company, community information services of an information service provider and other customers’ services (by dialing the appropriate digits). When used in the terminating direction and directly routed to an end office, FGB Switching may be used to access only those valid NXX codes served by that end office, time or weather announcement services of the Telephone Company, community information services of an information provider, and other customers’ services (by dialing the appropriate digits). When a provider of MTS and WATS subscribes to both FGB and FGD, all such FGB and FGD usage originating and terminating at those end offices will be subject to the Carrier Charge, Switched Transport and Local Switching - LS2 rates set forth in Section 3.9 and 6.8 following, respectively. The customer will be billed additional non-access charges for calls to certain community information services for which rates are applicable under Telephone Company exchange service tariffs, e.g., 976 (DIAL-IT) Network Services. Additionally, non-access charges will also be billed or calls from a FGB trunk to another customer’s service in accordance with that customer’s applicable service rates when the Telephone Company performs the billing function for the customer. Calls in the terminating direction will not be completed to 950-XXXX Carrier Access Codes (Cacaos), local operator assistance (0- and 0+), Directory Assistance (411) where available and 555-1212), service codes (611 and 911 where available) or 101XXXX Cacaos. FGB may not be switched, in the terminating direction, to Switched Access Service Feature Groups B and D, nor to extended areas service (EAS) end offices not subtending the FGB access tandem.

(C) Indicates Change

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6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.2 Feature Group B (FGB) (Cont'd)

(A) Description (Cont'd)

(6) The Telephone Company will establish a trunk group or groups for the customer at end office switches or access tandem switches where FGB switching is provided. When required by technical limitations, a separate trunk group will be established for each type of FGB switching arrangement provided. Different types of FGB or other switching arrangements may be combined in a single trunk group at the option of the Telephone Company.

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

(B) Optional Features (where equipment is available)

(1) Local Switching Optional Features

(a) Automatic Number Identification (ANI)

(b) Up to 7 Digit Outpulsing of Access Digits to Customer

(c) Alternate Traffic Routing

(d) Hunt Group Arrangement for Use with Special Access Service utilized for connection with Switched Access Service

(e) Uniform Call Distribution Arrangement for Use with Special Access Service utilized for connection with Switched Access Service

(f) Nonhunting Number for Use with Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use with Special Access Service utilized for connection with Switched Access Service

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6. **Switched Access Service** (Cont'd)

6.2 **Provision and Description of Switched Access Service Arrangements** (Cont'd)

6.2.2 **Feature Group B (FGB)** (Cont'd)

(B) **Optional Features (where equipment is available)** (Cont'd)

(1) **Local Switching Optional Features** (Cont'd)

(g) Band Advance Arrangement for Use with Special Access Service utilized for connection with Switched Access Service

(h) Rotary Dial Station Signaling

(i) Multifrequency Address Signaling

(2) **Switched Transport Optional Features**

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

(b) Customer Specification of Feature Group Directionality

(c) Customer Specification of Local Transport Termination

(d) Improved Return Loss

(e) Supervisory Signaling

(f) Data Transmission Parameters

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6. **Switched Access Service** (Cont'd)

6.2 **Provision and Description of Switched Access Service Arrangements** (Cont'd)

6.2.2 **Feature Group B (FGB)** (Cont'd)

(B) **Optional Features (where equipment is available)** (Cont'd)

(3) Another feature, Bill Number Screening, which may be available in connection with FGB, is provided under the Telephone Company's local and/or general exchange service tariffs.

(C) **Transmission Performance**

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

(D) **Testing Capabilities**

FGB is provided, in the terminating direction where equipment is available, with seven digit access to balance (100 type) test line, milliwatt (102 type) test line, nonsynchronous or synchronous test line, automatic transmission measuring (105 type) test line, data transmission (107...
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6. **Switched Access Service** (Cont'd)

6.2 **Provision and Description of Switched Access Service Arrangements** (Cont'd)

6.2.2 **Feature Group B (FGB)** (Cont'd)

(D) **Testing Capabilities** (Cont’d)

(type) test line, loop around test line, short circuit test line and open circuit test line. In addition to the Acceptance Tests described in 6.1.5 preceding, which are included with the installation of service, additional tests are available as set forth in Section 13.3.5 following.

6.2.3 **Reserved For Future Use**

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6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd) (C)

6.2.3 Reserved For Future Use
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6. Switched Access Service (Cont'd)

   6.2 Provision and Description of Switched Access Service Arrangements (Cont'd) (C)

   6.2.3 Reserved For Future Use (Cont'd)
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6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd) (C)

6.2.3 Reserved For Future Use (Cont'd) (C)
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6. **Switched Access Service** (Cont'd)

6.2 ** Provision and Description of Switched Access Service Arrangements** (Cont'd)  
6.2.3 **Reserved For Future Use** (Cont'd)

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6. **Switched Access Service (Cont'd)**

6.2 **Provision and Description of Switched Access Service Arrangements (Cont'd)**

6.2.3 **Reserved For Future Use (Cont'd)**

6.2.4 **Feature Group D (FGD)**

(A) **Description**

(1) FGD is provided at Telephone Company designated electronic end office switches whether routed directly or via Telephone Company designated electronic access tandem switches.
6. **Switched Access Service** (Cont'd)

6.2 **Provision and Description of Switched Access Service Arrangements** (Cont'd)

6.2.4 **Feature Group D (FGD)** (Cont'd)

(A) **Description** (Cont'd)

(2) FGD is provided as trunk side switching through the use of end office or access tandem switch trunk equipment. The switch trunk equipment is provided with wink start pulsing signals and answer and disconnect supervisory signaling.

(3) FGD switching is provided with multifrequency address signaling. Up to 12 digits of the called party number dialed by the customer's end user using dual tone multi-frequency or dial pulse address signals will be provided by Telephone Company equipment to the customer's premises where the Switched Access Service terminates. Such address signals will be subject to the ordinary transmission capabilities of the Local Transport provided.

(4) FGD switching, when used in the terminating direction, may be used to access valid NXXs in the local exchange, time or weather announcement services of the Telephone Company, community information services of an information service provider, and other customers' services (by dialing the appropriate codes) when such services can be reached using valid NXX codes. When directly routed to an end office, only those valid NXX codes served by that office may be accessed. When routed through an access tandem, only those valid NXX codes served by end offices subtending the access tandem may be accessed. The customer will also be billed additional non-access charges for calls to certain

(C) Indicates Change

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6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.4 Feature Group D (FGD) (Cont'd)

(A) Description (Cont'd)

(4) (Cont'd)

community information services, for which rates are applicable under Telephone Company exchange service tariffs, e.g., 976 (DIAL-IT) Network Service. Additionally, non-access charges will also be billed for calls from a FGD trunk to another customer’s service in accordance with that customer’s applicable service rates when the Telephone Company performs the billing function for that customer. Calls in the terminating direction will not be completed to 950-XXXX CACs, local operator assistance (0- and 0+), Directory Assistance (411 and 555-1212), service codes 611 and 911, and 101XXXX CACs. Calls will be completed to Directory Assistance (NPA-555-1212 and 555-1212) when FGD switching is combined with Directory Assistance switching. The combination of FGD Switched Access Service with DA Service is provided as set forth in Section 9 following. FGD may not be switched in the terminating direction to Switched Access Service Feature Groups B or D.

(5) The Telephone Company will establish a trunk group or groups for the customer at end office switches or access tandem switches where FGD switching is provided. When required by technical limitations, a separate trunk group will be established for each type of FGD switching arrangement provided. Different types of FGD or other switching arrangements may be combined in a single trunk group at the option of the Telephone Company.

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6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.4 Feature Group D (FGD) (Cont'd)

(A) Description (Cont'd)

(6) The Carrier Access Code (CAC) for FGD switching is a uniform code of the form 101XXXX. These uniform CACs will be the assigned access number of all FGD access provided to the customer by the Telephone Company. No CAC is required for calls to a customer over FGD Switched Access Service if the end user’s telephone exchange service is arranged for presubscription to that customer as set forth in Section 13 following.

Where no CAC is required, the number dialed by the customer’s end user shall be a seven-digit or ten-digit number for calls in the North American Numbering Plan (NANP). For international calls outside the NANP, a twelve-digit to fifteen-digit number may be dialed. The form of the numbers dialed by the customer’s end user is NXX-XXXX, 0 or 1+NXX-XXXX, NPA + NXX-XXXX 0 or 1 + NPA + NXX-XXXX, and, when the end office is equipped for International Direct Distance Dialing (IDDD), 01 + CC + NN, or 011 + CC + NN.

When the 101XXXX CAC is used, FGD switching also provides for dialing the digit 0 for access to the customer’s operator, 911 for access to the Telephone Company’s emergency reporting service, or at the customer’s option, the end-of-dialing digit (#), for cut-through access to the customer’s premises.
6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.4 Feature Group D (FGD) (Cont'd)

(A) Description (Cont'd)

(7) FGD switching will be arranged to accept calls from telephone exchange service locations without the need for dialing the 101XXXX uniform CAC. Each telephone exchange service line may be marked with a presubscription code to identify which 101XXXX CAC its calls will be directed to for interLATA service. Presubscription codes are applied as set forth in Section 13 following.

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

(8) When a customer has had FGB access in an end office and subsequently replaces the FGB access with FGD access, at the mutual agreement of the customer and the Telephone Company, the Telephone Company will, for a period of 90 days, direct calls dialed by the customer's end users using the customer's previous FGB access code to the customer's FGD access service. The customer must be prepared to handle normally dialed FGD calls as well as calls dialed with the FGB CAC, which requires the customer to receive additional address signaling from the end user. Such calls will be rated as FGD.

(B) Optional Features (where equipment is available)

(1) Local Switching Optional Features

(a) Automatic Number Identification (ANI)

(b) Service Class Routing

(c) Alternate Traffic Routing

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.2 **Provision and Description of Switched Access Service Arrangements** (Cont'd)

6.2.4 **Feature Group D (FGD) (Cont'd)**

(B) **Optional Features (where equipment is available) (Cont'd)**

(1) **Local Switching Optional Features** (Cont'd)

(d) Call Gapping Arrangement
(e) Trunk Access Limitation
(f) International Carrier Option
(g) End Office End User Line Service Screening for Use with Special Access Service utilized for connection with Switched Access Service
(h) Hunt Group Arrangement for Use with Special Access Service utilized for connection with Switched Access Service
(i) Uniform Call Distribution Arrangement for Use with Special Access Service utilized for connection with switched Access Service
(j) Nonhunting Number for Use with Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use with Special Access Service utilized for connection with Switched Access Service
(k) Band Advance Arrangement for Use with Special Access Service utilized for connection with Switched Access Service
(l) Cut-Through
(m) Operator Trunk, Full Feature Arrangement
(n) Flexible Automatic Number Identification (Flex ANI)
(o) Multifrequency Address Signaling
(p) Intrastate Carrier Option
(q) Switched 64 Clear Channel Capability

(C) **Switched Transport Optional Features** (where equipment is available)

(a) Supervisory Signaling (as set forth in 6.1.2(A)(4)(a) preceding)
(b) Provision of Other Than Telephone Company Selected Traffic
(c) Customer Specification of Feature Group Directionality
(d) Improved Return Loss
(e) Data Transmission Parameters

(3) **End Office Signaling Service**

(C) Indicates Change

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.2 **Provision and Description of Switched Access Service Arrangements** (Cont'd)

6.2.4 **Feature Group D (FGD)** (Cont'd)

(C) **Transmission Specifications**

FGD is provided with either Type A, Type B or Type C Transmission Specifications as follows:

- When routed directly to the end office either Type B or C is provided.

- When routed to an access tandem only Type A is provided.

- Type A is provided on the transmission path from the access tandem to the end office.

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

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

(C) Indicates Change

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6. **Switched Access Service** (Cont'd)

6.2 **Provision and Description of Switched Access Service Arrangements** (Cont'd)

6.2.4 **Feature Group D (FGD)** (Cont'd)

(D) **Testing Capabilities**

FGD is provided, in the terminating direction where equipment is available, with seven digit access to balance (100 type) test line, milliwatt (102 type) test line, nonsynchronous or synchronous test line, automatic transmission measuring (105 type) test line, data transmission (107 type) test line, loop around test line, short circuit test line and open circuit test line. In addition to the Acceptance and In-Service Tests described in 6.1.5 preceding, additional tests are available for FGD as set forth in 13.3.5 following.

6.2.5 **Toll Free Code (TFC) Access Service**

(A) **Description**

TFC Access Service is an originating trunk side switched service that is available to the customer via TFC Access Service trunk groups, or may be provided to the customer in conjunction with FGB or FGD services. The service provides for the forwarding of end user dialed TFC calls to a Telephone Company Service Switching Point (SSP) which will initiate a TFC data base query to the Telephone Company's TFC data base to perform the customer identification function. The call is forwarded to the appropriate customer based on the dialed TFC number. The customer has the option of having the TFC dialed number (i.e., 800-NXX-XXXX) or, if the TFC to Local Exchange Number Translation optional feature described in Section 6.2.5(C)(1) is specified, a translated ten-digit local exchange number (i.e., NPA-NXX-XXXX), delivered to the customer premises.
ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont’d) (C)

6.2.5 Toll Free Code (TFC) Access Service (Cont’d)

(A) Description (Cont’d)

No access code is required for TFC Access Service. When the TFC call is originated by an end user, the Telephone Company will perform the TFC data base query based on the dialed digits to determine the customer location to which the call is to be routed. TFC database query charges will be applied for each completed customer identification query. A query is deemed to have been completed when the signaling information enabling the call to be directed to the appropriate carrier is returned by the TFC database to the switch that originated the query. The TFC data base query will be performed from suitably equipped end offices or access tandems. If the call originates from an end office not equipped to perform the TFC data base query, the call will be routed to an access tandem at which the query function is available. Once customer identification has been established, the call will be routed to the customer. TFC calls may be routed to different customers based on the local access transport area in which the call originates; however, calls originating from an end office switch not included in the customer’s area of service for TFC Access Service will not be completed.

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

TFC Access Service will be provisioned in accordance with the technical characteristics available with FGD. For FGB customers, end offices lacking equal access capability or the TFC data base query function may only be served via an access tandem over FGD trunks or TFC Access Service trunk groups. Such service will be provisioned in accordance with the characteristics available with FGD. When more than one access tandem is involved in the transport of an TFC Access Service call, standard transmission characteristics are not guaranteed.

(C) Indicates Change

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.5 Toll Free Code (TFC) Access Service (Cont’d)

(A) Description (Cont’d)

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

The TFC Access Service Data Base Query Charge, and the TFC Data Base Optional Service Features charge associated with various options ordered by the customer, as specified in 6.1.2(C) preceding and 6.2.5(C) following apply in addition to usage rates and charges.
ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.2 **Provision and Description of Switched Access Service Arrangements** (Cont'd)

6.2.5 **Toll Free Code (TFC) Access Service** (Cont'd)

(B) **Technical Specifications**

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

- When routed directly to the end office either Type B or Type C is provided.
- When routed to an access tandem only Type B is provided.
- Type B or Type C is provided on the transmission path from the access tandem to the end office.

Type C Transmission Specifications are provided with Interface Group 1 when routed directly to an end office. Type B is provided with Interface Groups 2, 6 and 9 whether routed directly to an end office or to an access tandem.

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

(C) Indicates Change

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ACCESS SERVICE

6.   Switched Access Service (Cont’d)

6.2   Provision and Description of Switched Access Service Arrangements (Cont’d)

6.2.5   Toll Free Code (TFC) Access Service (Cont’d)

(C)   TFC Data Base Optional Service Features

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

(1)   TFC to Local Exchange Number Translation

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

(2)   Customized TFC Call Routing

This option allows for routing to variable terminating locations for TFC call completion based on the following criteria:

(C)   Indicates Change

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6. **Switched Access Service (Cont'd)**

6.2 **Provision and Description of Switched Access Service Arrangements (Cont'd)**

6.2.5 **Toll Free Code (TFC) Access Service (Cont'd)**

(C) **TFC Data Base Optional Service Features (Cont'd)**

(2) **Customized TFC Call Routing (Cont'd)**

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

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

The rates for the TFC Data Base Optional Service Features described above are applied on a per query basis as set forth in Section 6.8.3(B) following. When a combination of one or more of the optional features is requested, only one such charge shall apply.
ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont’d)

6.2.6 Interim 500 Access Service

(A) Description

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

Originating Interim 500 Access Service is a trunk side switched service that is available to the customer via Interim 500 Access Service trunk groups, or can be provided to the customer in conjunction with FGD services. When combined with FGD, Interim 500 Access Service traffic can, at the option of the customer, be carried on the same group with non-500 Access traffic. When a 1+500+NXX+XXXX or 0+500+NXX+XXXX call is originated by an end user, the Telephone Company will perform the customer identification function based on the dialed digits to determine the customer to which the call is to be routed. If the call originates from an end office not equipped to provide the customer identification function, the call will be routed to an office where the function is available. Once customer identification has been established, the call will be routed to the customer.

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

(C) Indicates Change

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6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd) (C)

6.2.6 Interim 500 Access Service (Cont'd) (C)

(A) Description (Cont'd)

via an equal access tandem on existing trunk groups. At the customer’s option, Interim 500 Access Service, 900 Access Service and TFC Access Service may be combined on the same trunk group.
6. **Switched Access Service** (Cont'd)

6.2 **Provision and Description of Switched Access Service Arrangements** (Cont’d)

6.2.6 **Interim 500 Access Service** (Cont’d)

(A) **Description** (Cont’d)

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

Interim 500 Access Service originating from equal access end offices with the customer identification function will be provided using exchange access signaling with overlap outpulsing and ten digit ANI. Interim 500 Access Service originating from end offices/tandems without the customer identification function, or for calls routed through operator services, will be provided using conventional signaling. On traffic using conventional signaling, the customer’s facilities shall provide off hook supervision upon receipt of the transmitted digits.

Nonrecurring charges as specified in 6.1.2(D) preceding and 6.8.8 following also apply in addition to usage rates and charges.

(C) Indicates Change

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont’d)

6.2.6 Interim 500 Access Service (Cont'd)

(B) Technical Specifications

Interim 500 Access Service trunk groups are provided with either Type B or Type C Transmission Specifications as follows:

- When routed directly to the end office either Type B or Type C is provided.
- When routed to an access tandem only Type B is provided.
- Type B or Type C is provided on the transmission path from the access tandem to the end office.

Type C Transmission Specifications are provided with Interface Group 1 when routed directly to an end office. Type B is provided with Interface Groups 2, 6 and 9 whether routed directly to an end office or to an access tandem.

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

(C) Indicates Change

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.7 OptiPoint Services

(A) Basic Service Description

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

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

(1) Entrance Facilities

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

- a customer designated premises to another customer designated premises, configured at wire center locations between the two premises; or

- a customer designated premises to a Telephone Company location where service configuration is performed.

(C) Indicates Change

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.2 **Provision and Description of Switched Access Service Arrangements** (Cont’d)

6.2.7 **OptiPoint Services** (Cont'd)

(A) **Basic Service Description** (Cont'd)

(1) **Entrance Facilities** (Cont'd)

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

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

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

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

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6. **Switched Access Service (Cont'd)**

6.2 **Provision and Description of Switched Access Service Arrangements (Cont'd)**

6.2.7 **OptiPoint Services (Cont'd)**

(A) **Basic Service Description (Cont'd)**

(1) **Entrance Facilities (Cont'd)**

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

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

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

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

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

(iv) A single concatenated OC12c channel that is STS3c mapped.

(C) Indicates Change
ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.7 OptiPoint Services (Cont'd)

(A) Basic Service Description (Cont'd)

(1) Entrance Facilities (Cont'd)

(c) Based on customer requirements, OC48 service may be provisioned in the following configurations:

(i) OC48 – forty-eight STS1 channels which each contain:

- one DS3 or STS1 that is STS1 mapped; (C)

- an STS1 channel without constraint to payload mapping; (C)

(ii) Up to four concatenated OC12c channels that are STS12c mapped;

(iii) Up to sixteen concatenated OC3c channels that are STS3c mapped;

(iv) From one to three OC3c channels that are STS3c mapped, mixed with from 39 to 45 STS1 channels subject to utilization of the total OC48 capacity; or

(v) From one to three OC12c channels that are STS12c mapped, mixed with from four to twelve OC3 channels subject to utilization of the total OC48 capacity.

Current SONET standards do not provide for asynchronous DS3 to DS1 multiplexing. An STS1 channel may be mapped for either one DS3 or 28 DS1s. However, DS1s within a DS3 are not accessible within the SONET architecture, and their performance cannot be guaranteed for this reason. When the customer requests that an OC3, OC12 or OC48 service be configured with a combination of DS3 and DS1 channels, a DS3 to DS1 multiplexing arrangement, as set forth in 6.1.2(A)(5)(d) will be required.

(C) Indicates Change

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6. Switched Access Service (Cont’d)

6.2 Provision and Description of Switched Access Service Arrangements (Cont’d)

6.2.7 OptiPoint Services (Cont’d)

(A) Basic Service Description (Cont’d)

(1) Entrance Facilities (Cont’d)

Upon ordering OptiPoint service, the customer is responsible for identifying the STS signal configuration to be contained in each OC3, OC12, or OC48 service connection and each STS1, STS3, and/or STS12 payload content. This information is used in determining the route and connection in the network. If a new configuration is requested subsequent to the initial activation, a service reconfiguration charge will apply on a per service basis, as set forth in 6.8.1(D)(10). The service reconfiguration charge is in addition to all applicable configuration node and configuration card charges associated with the new configuration.

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

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

(C) Indicates Change

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6. **Switched Access Service (Cont'd)**

6.2 **Provision and Description of Switched Access Service Arrangements (Cont’d)**

6.2.7 **OptiPoint Services (Cont’d)**

(A) **Basic Service Description (Cont’d)**

(1) **Entrance Facilities (Cont’d)**

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

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

OptiPoint entrance facilities are available only where facilities and operating conditions permit. The Telephone Company will work cooperatively with the customer to determine if suitable existing Telephone Company SONET based facilities are available to provide the service. The Telephone Company will not provision this service on facilities that are not suitable for OptiPoint. Where facilities and/or operating conditions do not permit the provision of OptiPoint entrance facilities, and the customer desires the Telephone Company to provision OptiPoint service, Special Construction charges, as set forth in Section 14 following, may apply.
ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.7 OptiPoint Services (Cont'd)

(A) Basic Service Description (Cont'd)

(2) Service Configuration

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

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

When the customer requests that a DS1 channel be connected to an OC48 service terminating at a Telephone Company central office, a DS3 to DS1 or STS1 to DS1 multiplexing arrangement, as set forth in 6.1.2(A)(5)(d) preceding, may be required.

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

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

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

(C) Indicates Change
ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.7 OptiPoint Services (Cont'd)

(A) Basic Service Description (Cont'd)

(2) Service Configuration (Cont'd)

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

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

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

Due to the technical limitations of SONET equipment, additional electronics are required when OptiPoint OC48 switched transport configurations exceed 66 miles. In such situations, the customer will be charged for the additional electronics on an individual case basis.

Rates and charges for the configuration node and configuration cards are set forth in 6.8.1 following. Additional labor charges as set forth in Section 13 following will apply to configuration changes for STS level service.

(C) Indicates Change

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6. **Switched Access Service** (Cont’d)

6.2 **Provision and Description of Switched Access Service Arrangements** (Cont’d)

6.2.7 **OptiPoint Services** (Cont’d)

   (A) **Basic Service Description** (Cont’d)

   (2) **Service Configuration** (Cont’d)

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

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

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(C) Indicates Change

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6. **Switched Access Service** (Cont'd)

6.2 **Provision and Description of Switched Access Service Arrangements** (Cont’d)

6.2.7 **OptiPoint Services** (Cont’d)

(A) **Basic Service Description** (Cont’d)

(2) **Service Configuration** (Cont’d)

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

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**Diagram:**

- **END USER**
- **END OFFICE**
- **WIRE CENTER SERVING CUSTOMER**
- **CUSTOMER PREMISES**

**Abbreviations:**
- CCL: CARRIER COMMON LINE
- LS: LOCAL SWITCHING
- DTT: DIRECT-TRUNKED TRANSPORT
- EF: ENTRANCE FACILITY
- CNC: CONFIGURATION NODE & CARDS
- DTP: DEDICATED TRUNK PORT

* WHERE APPLICABLE

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(C) Indicates Change

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6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont’d)

6.2.7 OptiPoint Services (Cont’d)

(B) Regulations

The rates and charges for OptiPoint services are set forth in 6.8.1 following and are in addition to any applicable rates and charges set forth in any other sections of this tariff. Nonrecurring charges and monthly recurring rates applicable for OptiPoint service are billed in advance. A nonrecurring service upgrade charge as described in 6.7.1(C)(3) following may also apply to OptiPoint services.

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

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

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

(C) Indicates Change

Issued: November 11, 2003 Effective: December 11, 2003
ACCESS SERVICE

6.  Switched Access Service (Cont'd)

6.3  Optional Features (where equipment is available)

Following are descriptions of the various optional features that are available in lieu of, or in addition to, the standard features provided with the Feature Groups.

(A)  Call Denial on Line or Hunt Group

This option allows for the screening of terminating calls within the exchange, and for the completion only of calls to 411, 611, 911, TFC, 555-1212, and a Telephone Company specified sets of NXXs within the Telephone Company local exchange calling area of the dial tone office in which the arrangement is provided. All other calls are routed to a reorder tone or recorded announcement. This feature is provided in all end offices. It is available with Feature Group A.

(B)  Service Code Denial on Line or Hunt Group

This option allows for the screening of terminating calls within the LATA, and for disallowing completion of calls to 0-, 555 and N11 (e.g., 411, 611, and 911). This feature is provided where available in all Telephone Company end offices. It is available with Feature Group A.

(C)  Hunt Group Arrangement

This option provides the ability to sequentially access one of two or more line side connections in the originating direction, when the access code of the line group is dialed. This feature is provided in all Telephone Company end offices. It is available with Feature Group A.

(C)  Indicates Change

Issued: March 22, 2000  Effective: April 1, 2000
6. **Switched Access Service** (Cont'd)

6.3 **Optional Features (where equipment is available)**

(D) **Uniform Call Distribution Arrangement**

This option provides a type of multiline hunting arrangement which provides for an even distribution of calls among the available lines in a hunt group. This feature is provided where available in Telephone Company end offices. It is available with Feature Group A.

(E) **Nonhunting Number for Use with Hunt Group or Uniform Call Distribution Arrangement**

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

(F) **Automatic Number Identification (ANI)**

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

6.3 Optional Features (where equipment is available) (Cont'd) (C)

(F) Automatic Number Identification (ANI) (Cont'd)

The seven digit ANI telephone number is available with Feature Group B provided using Direct-Trunked Transport. Technical limitations may exist in Telephone Company switching facilities which require ANI to be provided only on a directly trunked basis. ANI will be transmitted on all calls except those originating from multi-party lines and Pay Telephone Line Service using Feature Group B, or when an ANI failure has occurred.

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

Where ANI cannot be provided, e.g., on calls from certain multi-party services, information digits will be provided to the customer.
ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3 Optional Features (where equipment is available) (Cont'd)

(F) Automatic Number Identification (ANI) (Cont'd)

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

(G) Up to 7 Digit Outpulsing of Access Digits to Customer

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

(C) Indicates Change
6. **Switched Access Service** (Cont'd)

6.3 **Optional Features (where equipment is available)** (Cont'd)  (C)

**Cut-Through**

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

(C) Indicates Change
6. **Switched Access Service** (Cont'd)

6.3 **Optional Features** (where equipment is available) (Cont'd)

- **(J)** Reserved For Future Use
- **(K)** Reserved For Future Use
- **(L)** Reserved For Future Use
- **(M)** Reserved For Future Use

(C) Indicates Change

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Effective: April 1, 2000
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6. **Switched Access Service** (Cont'd)

6.3 **Optional Features (where equipment is available)** (Cont'd)

**(N) Service Class Routing**

This option provides the capability of directing originating traffic from an end office to a trunk group to a customer designated premises based on the line class of service (e.g., pay telephone, multi-party or hotel/motel), service prefix indicator (e.g., 0-, 0+, 01+ or 011+) or service access code (e.g., 8XX or 900). It is provided in suitably equipped end office or access tandem switches and is available with Feature Group D.

**(O) Alternate Traffic Routing**

(1) **Multiple Customer Premises Alternate Routing**

This option provides the capability of directing originating traffic from an end office (or appropriately equipped access tandem) to a trunk group (the "high usage" group) to a customer designated premises until that group is fully loaded, and then delivering additional originating traffic (the "overflowing" traffic) from the same end office or access tandem to a different trunk group (the "final" group) to the same or a second customer designated premises. The customer shall specify the last trunk CCS desired for the high usage group. It is provided in suitably equipped end office or access tandem switches and is available with Feature Groups B and D.

(C) Indicates Change

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3 Optional Features (where equipment is available) (Cont'd)

(O) Alternate Traffic Routing (Cont'd)

(2) End Office Alternative Routing When Ordered in Trunks

This option provides an alternate routing arrangement for customers who order in trunks and have access for a particular Feature Group to an end office via two routes: one route via an access tandem and one direct route. The feature allows the customer’s originating traffic from the end office to be offered first to the direct trunk group and then overflow to the access tandem group. It is provided in suitably equipped end offices and is available with Feature Groups B and D.

(P) Trunk Access Limitation

This option provides for the routing of originating 900 service calls to a specified number of transmission paths in a trunk group, in order to limit (choke) the completion of such traffic to the customer. Calls to the designated service which could not be completed over the subset of transmission paths in the trunk group, i.e., the choked calls, would be routed to reorder tone.

It is provided in all Telephone Company end offices. It is available with Feature Group D.

(C) Indicates Change

Issued: March 22, 2000 Effective: April 1, 2000
ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3 Optional Features (where equipment is available) (Cont'd)

(Q) Call Gapping Arrangement

This option, provided in suitably equipped end office switches, provides for the routing of originating calls to 900 service to be switched in the end office to all transmission paths in a trunk group at a prescribed rate of flow, e.g., one call every five seconds, in order to limit (choke) the completion of such traffic to the customer. Calls to the designated service that are denied access by this feature, i.e., the choked calls, would be routed to a no-circuit announcement. It is provided in selected Feature Group D equipped end offices and is available only with Feature Group D.

(R) International Carrier Option

This option allows for Feature Group D end offices or access tandem switches equipped for International Direct Distance Dialing to be arranged to forward the international calls of one or more carriers to the customer (i.e., the Telephone Company is able to route originating international calls to a customer other than the one designated by the end user through presubscription or 101XXXX dialing). This arrangement requires provision of written verification to the Telephone Company that the customer is authorized to forward such calls.

The written verification must be in the form of a letter of agency authorizing the customer to order the option on behalf of the carrier. This option is only provided at Telephone Company end offices or access tandems equipped for International Direct Distance Dialing and is available only with Feature Group D.
ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3 Optional Features (where equipment is available) (Cont'd) (C)

(S) Band Advance Arrangement for Use with Special Access Service Utilized for Connection with Switched Access Service

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

(T) End Office End User Line Service Blocking and Screening for Use with Special Access Service Utilized for Connectivity with Switched Access Service

This option provides the ability to verify that an end user has dialed a called party address (by screening the called NPA and/or NXX on the basis of geographical bands selected by the Telephone Company) which is in accordance with that end user's service agreement with the customer, e.g., WATS. This option is provided in all Telephone Company designated WATS Serving Offices. It is available with Feature Group D.

(C) Indicates Change
6. Switched Access Service (Cont'd)

6.3 Optional Features (where equipment is available) (Cont'd) (C)

(U) Hunt Group Arrangement for Use with Special Access Service Utilized for Connection with Switched Access Service

This option provides the ability to sequentially access one of two or more Special Access Services utilized for connection with Switched Access Service (e.g., TFC Service) in the terminating direction, when the hunting number of the Special Access Service group is forwarded from the customer to the Telephone Company. This feature is provided in all Telephone Company designated WATS Serving Offices. It is available with Feature Groups A, B and D.

(V) Uniform Call Distribution Arrangement for Use with Special Access Service Utilized for Connection with Switched Access Service

This option provides a type of multiline hunting arrangement which provides for an even distribution of terminating calls among the available Special Access Services utilized for connection with Switched Access Service in the hunt group. Where available, this feature is only provided in Telephone Company designated WATS serving Offices. It is available with Feature Groups A, B and D.

(W) Nonhunting Number for Use with Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use with Special Access Service Utilized for Connection with Switched Access Service

This option provides an arrangement for an individual Special Access Service utilized for connection with Switched Access Service with a multiline hunt or uniform call distribution group that provides access to that Special Access Service within the hunt or uniform call distribution group when it is idle or provides busy tone when it is busy, when the nonhunting number is dialed. Where available, this feature is only provided in Telephone Company designated WATS Serving Offices. It is available with Feature Groups A, B and D.

Certain material on this page formerly appeared on Page 166.3.

(C) Indicates Change

Issued: March 22, 2000 Effective: April 1, 2000
ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.3 **Optional Features (where equipment is available)** (Cont'd)

(X) **InterLATA Call Denial on Line or Hunt Group**

This chargeable optional feature allows for the screening of terminating calls, and for the completion of only those calls which remain within the LATA of the dial tone office. All calls to end offices which are outside the LATA of the dial tone office are routed to a reorder tone or recorded announcement. This feature is provided only in appropriately equipped end offices. It is available with Feature Group A. A nonrecurring charge will apply to each FGA line to be screened. This charge will be equal to the sum of: (1) the initial service connection service order charge for business customers, and (2) the central office work charge for business customers; both charges are detailed in the Telephone Company’s local and/or general exchange service tariff.

 Certain material formerly on this page now appears on Page 166.2.

(C) Indicates Change
6. **Switched Access Service** (Cont'd)

6.3 **Optional Features (where equipment is available) (Cont'd)**

**(Y) Flexible Automatic Number Identification (Flex ANI)**

The Flex ANI feature provides an enhancement to the existing ANI Information Indicator (ANI II) digits which are included in the ANI optional feature as described in 6.3(F) preceding. The Flex ANI feature provides additional values for the ANI II digits that are associated with various classes of service not available with the standard ANI digits. This feature is provided per host central office on a Carrier Identification Code (CIC) basis. Flex ANI is available with Feature Group D service in end offices where technically feasible and must be provisioned with the ten-digit ANI optional feature.

**(Z) Rotary Dial Station Signaling**

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

**(AA) Intrastate Carrier Option**

This option allows for Feature Group D end office or access tandem switches to forward the intrastate calls of one or more carriers to the customer (i.e., the Telephone Company is able to route originating intrastate calls to a customer other than the one designated by the end user either through presubscription or 101XXXX dialing). This arrangement requires provision of written verification to the Telephone Company that the customer is authorized to forward such calls. The written verification must be in the form of a letter of agency authorizing the customer to order the option on behalf of the carrier. This option is only provided at Telephone Company end offices or access tandems equipped with Feature Group D.

**(C) Indicates Change**
6. **Switched Access Service** (Cont'd)

6.3 **Optional Features (where equipment is available)** (Cont'd)

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(C) Indicates Change

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6. Switched Access Service (Cont’d)

6.3 Optional Features (where equipment is available) (Cont’d)

This page is reserved for future use

(C) Indicates Change

Issued: March 22, 2000  Effective: April 1, 2000
6. Switched Access Service (Cont’d)

6.3 Optional Features (where equipment is available) (Cont’d)

(BB) Operator Trunk - Full Feature

This option provides the operator functions available in the end office to the customer’s operator. These functions are (1) Operator Released, (2) Operator Attached, (3) Coin Collect, (4) Coin Return, and (5) Ringback. It is available with Feature Group D and is provided as a trunk type for Transport Termination.

(CC) Multifrequency Address Signaling

This feature, available with FGB and FGD, provides for the transmission of number information and control signals (e.g. number address signals, automatic number identification) between the end office switch and the customer's premises (in either direction). Multifrequency signaling arrangements make use of pairs of frequencies out of a group of six frequencies. Specific information transmitted is dependent upon feature group and call type (i.e., POTS, coin or operator).

(DD) Switched 64 Clear Channel Capability

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

(EE) Carrier Selection Parameters (CSP)

This feature provides for the automatic transmission of a signaling indicator which signifies to the customer whether or not the call being processed originated from a presubscribed lines. If the line was presubscribed, the indicator will signify if the end use did or did not dial 101XXXX. This feature is provided with originating FGD with SS7 signaling.

(C) Indicates Change

Material omitted from this page now appears on Page 169.0.1.

Issued: May 16, 2013  Effective: July 2, 2013
6. Switched Access Service (Cont'd)

6.3 Optional Features (where equipment is available) (Cont’d)

6.3.1 End Office Signaling Service

(A) End Office Signaling Service (EOSS) is a nonchargeable optional feature available with Feature Group D switched access service. EOSS provides an Alternative Tandem Switching Provider (ATSP) with the following information to allow the ATSP to perform tandem switching functions for calls originated from certain Telephone Company end offices:

(1) Carrier Identification Code (CIC)
(2) Carrier Trunk Group Number (OZZ)
6. **Switched Access Service** (Cont’d)

6.3 **Optional Features (where equipment is available)** (Cont’d)

6.3.1 **End Office Signaling Service** (Cont’d)

(B) EOSS is available from all Telephone Company equal access end offices.

(C) EOSS may be provided using Multifrequency (MF) signaling, or SS7 signaling where SS7 capabilities are available. When EOSS is provided with SS7 signaling, the ATSP must establish a connection to the Telephone Company Signal Transfer Points (STPs) in the manner described in the CenturyLink Operating Companies Tariff F.C.C. No. 9 for the transmission of SS7 signaling information between the ATSP and Telephone Company end offices.

(D) EOSS for TFC Access Service calls is available only from Telephone Company end offices equipped with Service Switching Points (SSPs).

(E) ATSP tandem services must conform to industry protocols for MF and SS7 signaling. The Telephone Company is not responsible for ATSP tandem performance.

(F) EOSS may be provided in conjunction with one of the following interconnection arrangements:

(1) Switched Access Direct-Trunked Transport, as described in Section 6.1.2(A)(2) preceding, from the ATSP location to the end office where EOSS has been ordered, or

(2) Reserved For Future Use

(G) An Access Service Request must be submitted for each Telephone Company end office where EOSS is requested. Access order charges as set forth in Section 5.2 preceding will apply to requests for EOSS.

(H) The Assignment of ATSP Trunk Group Numbers (TGNs), which will appear on Telephone Company Automatic Message Accounting (AMA) records, are under the exclusive control of the Telephone Company until such time as industry-wide trunk group numbering conventions are established. The Telephone Company will work with the ATSP to coordinate numbering assignments and conformance to technical requirements of the Telephone Company.

(C) Indicates Change

Issued: May 24, 2011

Effective: May 25, 2011
6. **Switched Access Service** (Cont'd)

6.3 **Optional Features (where equipment is available)** (Cont'd)

6.3.1 **End Office Signaling Service** (Cont'd)

(I) The rates and regulations associated with Feature Group D Switched Access Service apply to all originating and terminating traffic routed from or to an ATSP. A FGD percent interstate use (PIU) factor, as set forth in Section 2.3.14(A) preceding, is required for all Telephone Company terminating minutes routed through an ATSP.

(J) The ATSP must provide billing tapes to the Telephone Company on a monthly basis to allow appropriate billing of terminating traffic routed through the ATSP. The customer of record for the Switched Access Direct-Trunked Transport arrangement over which EOSS is provided shall be the same customer of record for billing purposes for the difference between the terminating minutes delivered through that arrangement to the Telephone Company end office as determined by the Telephone Company and the terminating minutes as reported on the billing tapes provided by the ATSP. The format for the billing tapes will be agreed upon by the Telephone Company and the ATSP before EOSS is provided. The ATSP must retain documentation in support of the billing information contained on tapes submitted to the Telephone Company for a period of 15 months after submission of the tapes. The Telephone Company reserves the right to audit billing tape information with such supporting documentation upon 30 days’ notice to the ATSP. Billing disputes based on information contained in ATSP-provided billing tapes must be resolved jointly by the claimant, the Telephone Company and the ATSP. The ATSP is responsible for submitting billing tapes to the Telephone Company in a timely manner. Penalties assessed against the Telephone Company for late billing based on late submission of ATSP billing tapes will be charged back to the ATSP.

(C) Indicates Change

Issued: April 1, 2008  Effective: April 2, 2008
6. Switched Access Service (Cont'd)

6.4 Service Provisioning

Each Switched Access Service transmission path is provided with standard transmission specifications. There are three different standard specifications (Types A, B and C). The standard for a particular transmission path is dependent on the Feature Group, the Interface Group and whether the service is directly routed or via an access tandem. The available transmission specifications are set forth in 6.4.1 following.

Data Transmission Parameters are also provided with each Switched Access Service transmission path. The Telephone Company will, upon notification by the customer that the data parameters set forth in 6.4.2(A) or 6.4.2(B) not being met, conduct tests independently or in cooperation with the customer, and take any necessary action to insure that the data parameters are met.

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

The transmission specifications contained in this Section are immediate action limits. Acceptance limits are set forth in Technical Reference Publication GR-3334. This Technical Reference also provides the basis for determining Switched Access Service maintenance limits.

6.4.1 Standard Transmission Specifications

Following are descriptions of the three Standard Transmission Specifications available with Switched Access Service Arrangements. The specific applications in terms of the Service Arrangement and Interface Groups with which the Service Arrangement Standard Transmission Specifications are provided are set forth in 6.2.1(C), 6.2.2(C), and 6.2.4(C), 6.2.5(B) and 6.2.6(B) preceding.

(C) Indicates Change

Issued: August 23, 2001    Effective: August 24, 2001
6. **Switched Access Service** (Cont’d)

6.4 **Service Provisioning** (Cont’d)

6.4.1 **Standard Transmission Specifications** (Cont’d)

(A) **Type A Transmission Specifications**

Type A Transmission Specifications is provided with the following parameters:

1. **Loss Deviation**

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

2. **Attenuation Distortion**

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

3. **C-Message Noise**

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

<table>
<thead>
<tr>
<th>Route Miles</th>
<th>C-Message Noise</th>
</tr>
</thead>
<tbody>
<tr>
<td>less than 50</td>
<td>32 dBmCO</td>
</tr>
<tr>
<td>51 to 100</td>
<td>34 dBmCO</td>
</tr>
<tr>
<td>101 to 200</td>
<td>37 dBmCO</td>
</tr>
<tr>
<td>201 to 400</td>
<td>40 dBmCO</td>
</tr>
<tr>
<td>401 to 1000</td>
<td>42 dBmCO</td>
</tr>
</tbody>
</table>

4. **C-Notch Noise**

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

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(C) Indicates Change

Issued: March 22, 2000
Effective: April 1, 2000
6. **Switched Access Service** (Cont’d)

6.4 **Service Provisioning** (Cont’d)

6.4.1 **Standard Transmission Specifications** (Cont’d)

(A) **Type A Transmission Specifications** (Cont’d)

(5) **Echo Control**

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

<table>
<thead>
<tr>
<th>Routing</th>
<th>Echo Return Loss</th>
<th>Singing Return Loss</th>
</tr>
</thead>
<tbody>
<tr>
<td>POT to Access Tandem</td>
<td>21 dB</td>
<td>14 dB</td>
</tr>
<tr>
<td>POT to End Office</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Direct</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>- Via Access Tandem</td>
<td>16 dB</td>
<td>11 dB</td>
</tr>
</tbody>
</table>

(B) **Type B Transmission Specifications**

Type B Transmission Specifications are provided with the following parameters:

(C) Indicates Change

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6. **Switched Access Service** (Cont’d)

6.4 **Service Provisioning** (Cont’d)

6.4.1 **Standard Transmission Specifications** (Cont’d)

(B) **Type B Transmission Specifications** (Cont’d)

1) **Loss Deviation**

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

2) **Attenuation Distortion**

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

3) **C-Message Noise**

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

<table>
<thead>
<tr>
<th>Route Miles</th>
<th>Type B1</th>
<th>Type B2</th>
</tr>
</thead>
<tbody>
<tr>
<td>less than 50</td>
<td>32 dBnCO</td>
<td>35 dBnCO</td>
</tr>
<tr>
<td>51 to 100</td>
<td>33 dBnCO</td>
<td>37 dBnCO</td>
</tr>
<tr>
<td>101 to 200</td>
<td>35 dBnCO</td>
<td>40 dBnCO</td>
</tr>
<tr>
<td>201 to 400</td>
<td>37 dBnCO</td>
<td>43 dBnCO</td>
</tr>
<tr>
<td>401 to 1000</td>
<td>39 dBnCO</td>
<td>45 dBnCO</td>
</tr>
</tbody>
</table>

* For Feature Group D only Type B2 will be provided. For Feature Groups A and B, Type B1 or B2 will be provided as set fourth in Technical Reference Publication GR-3334.

(C) Indicates Change
ACCESS SERVICE

6. Switched Access Service (Cont’d)

6.4 Service Provisioning (Cont’d)

6.4.1 Standard Transmission Specifications (Cont’d)

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

4) C-Notch Noise

The maximum C-Notch Noise, utilizing a -16 dBm0 holding tone is less than or equal to 47 dBmCO.

5) Echo Control

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

<table>
<thead>
<tr>
<th></th>
<th>Echo Return Loss</th>
<th>Singing Return Loss</th>
</tr>
</thead>
<tbody>
<tr>
<td>POT to Access Tandem</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Terminated in</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4-Wire trunk</td>
<td>21 dB</td>
<td>14 dB</td>
</tr>
<tr>
<td>- Terminated in</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2-Wire trunk</td>
<td>16 dB</td>
<td>11 dB</td>
</tr>
<tr>
<td>POT to End Office</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Direct</td>
<td>16 dB</td>
<td>11 dB</td>
</tr>
</tbody>
</table>

(C) Indicates Change

Issued: March 22, 2000
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6. **Switched Access Service** (Cont’d)

6.4 **Service Provisioning** (Cont’d)

6.4.1 **Standard Transmission Specifications** (Cont’d)

(B) **Type B Transmission Specifications** (Cont’d)

(5) **Echo Control** (Cont’d)

<table>
<thead>
<tr>
<th></th>
<th>Echo Return</th>
<th>Singing Return</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Loss</td>
<td>Loss</td>
</tr>
<tr>
<td>- Via Access Tandem</td>
<td></td>
<td></td>
</tr>
<tr>
<td>For FGB access</td>
<td>8 dB</td>
<td>4 dB</td>
</tr>
</tbody>
</table>

(C) **Type C Transmission Specifications**

Type C Transmission Specifications are provided with the following parameters:

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6. **Switched Access Service** (Cont’d)

6.4 **Service Provisioning** (Cont’d)

6.4.1 **Standard Transmission Specifications** (Cont’d)

**(C)** **Type C Transmission Specifications** (Cont’d)

**1. Loss Deviation**

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

**2. Attenuation Distortion**

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

**3. C-Message Noise**

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

<table>
<thead>
<tr>
<th>Route Miles</th>
<th>Type B1</th>
<th>Type B2</th>
</tr>
</thead>
<tbody>
<tr>
<td>less than 50</td>
<td>32 dBmCO</td>
<td>38 dBmCO</td>
</tr>
<tr>
<td>51 to 100</td>
<td>33 dBmCO</td>
<td>39 dBmCO</td>
</tr>
<tr>
<td>101 to 200</td>
<td>35 dBmCO</td>
<td>41 dBmCO</td>
</tr>
<tr>
<td>201 to 400</td>
<td>37 dBmCO</td>
<td>43 dBmCO</td>
</tr>
<tr>
<td>401 to 1000</td>
<td>39 dBmCO</td>
<td>45 dBmCO</td>
</tr>
</tbody>
</table>

* For Feature Group D only Type C2 will be provided. For Feature Groups A and B, Type C1 or C2 will be provided as set forth in Technical Reference Publication GR-3334.

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Issued: August 23, 2001  Effective: August 24, 2001
6. **Switched Access Service** (Cont’d)

6.4 **Service Provisioning** (Cont’d)

6.4.1 **Standard Transmission Specifications** (Cont’d)

(C) **Type C Transmission Specifications** (Cont’d)

(4) **C-Notch Noise**

The maximum C-Notch Noise, utilizing a -16 dBm0 holding one is less than or equal to 47 dBrnCO.

(5) **Echo Control**

Echo Control, identified as Return Loss and expressed as Echo Return Loss and Singing Return Loss is equal to or greater than the following:

<table>
<thead>
<tr>
<th></th>
<th>Echo Return Loss</th>
<th>Singing Return Loss</th>
</tr>
</thead>
<tbody>
<tr>
<td>POT to End Office</td>
<td>13 dB</td>
<td>6 dB</td>
</tr>
<tr>
<td>- Direct</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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6. Switched Access Service (Cont’d)

6.4 Service Provisioning (Cont’d)

6.4.2 Data Transmission Parameters (Cont’d)

Two types of Data Transmission Parameters, i.e., Type DA and Type DB, are provided for the Feature Group arrangements. The specific applications in terms of the Feature Groups with which they are provided are set forth in 6.2.1(C), 6.2.2(C) and 6.2.4(C) preceding. Following are descriptions of each.

(A) Data Transmission Parameters Type DA

(1) Signal to C-Notched Noise Ratio

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

(2) Envelope Delay Distortion

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

- **604 to 2804 Hz**
  - less than 50 route miles: 500 microseconds
  - equal to or greater than 50 route miles: 900 microseconds

- **1004 to 2404 Hz**
  - less than 50 route miles: 200 microseconds
  - equal to or greater than 50 route miles: 400 microseconds
6. **Switched Access Service** (Cont’d)

6.4 **Service Provisioning** (Cont’d)

6.4.2 **Data Transmission Parameters** (Cont’d)

(A) **Data Transmission Parameters Type DA** (Cont’d)

(3) **Impulse Noise Counts**

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

(4) **Intermodulation Distortion**

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

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

(5) **Phase Jitter**

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

(6) **Frequency Shift**

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

(B) **Data Transmission Parameters Type DB**

(1) **Signal to C-Notched Noise Ratio**

The signal to C-Notched Noise Ratio is equal to or greater than 30 dB.
6. **Switched Access Service** (Cont’d)

6.4 **Service Provisioning** (Cont’d)

6.4.2 **Data Transmission Parameters** (Cont’d)

   (B) **Data Transmission Parameters Type DB** (Cont’d)

   (2) **Envelope Delay Distortion**

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

   **604 to 2804 Hz**
   - less than 50 route miles: 800 microseconds
   - equal to or greater than 50 route miles: 1000 microseconds

   **1004 to 2404 Hz**
   - less than 50 route miles: 320 microseconds
   - equal to or greater than 50 route miles: 500 microseconds

   (3) **Impulse Noise Counts**

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

   (4) **Intermodulation Distortion**

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

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

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6. Switched Access Service (Cont’d)

6.4 Service Provisioning (Cont’d)

6.4.2 Data Transmission Parameters (Cont’d)

(B) Data Transmission Parameters Type DB (Cont’d)

(5) Phase Jitter

The Phase Jitter over the 4-300 Hz frequency band is less than or equal to 70 peak-to-peak.

(6) Frequency Shift

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

Certain material formerly on this page now appears on Page 185.

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6. Switched Access Service (Cont’d)

6.4 Service Provisioning (Cont’d)

6.4.3 Interface Groups

Four interface groups are provided for terminating an Entrance Facility at the customer’s premises. Interface groups define the transmission characteristics associated with the Entrance Facility and all transport facilities with which it is interconnected.

Network Channel (NC) codes, feature group and technical specifications provide the available supervisory signaling options. The combination of the interface group and supervisory signaling ordered will identify the appropriate premises interface code (network channel interface code). Feature group and technical specifications are set forth in Technical Reference Publication GR-3334.

Depending upon the interface group chosen by the customer, multiplexing arrangements may also be required. When the customer requests interconnection of an Entrance Facility to a Direct-Trunked Transport or Tandem-Switched Transport, and the interconnecting facilities use connections with different capacities or bandwidths, multiplexing arrangements are required to provide the interconnection. A multiplexing arrangement is also required to interconnect certain facilities with specific switch types. Multiplexing is available as set forth in 6.1.2(A)(5)(d) preceding.

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6. Switched Access Service (Cont’d)

6.4 Service Provisioning (Cont’d)

6.4.3 Interface Groups (Cont’d)

As a result of the customer’s access order and the type of Telephone Company transport facilities serving the customer’s premises, the need for signaling conversions or two-wire to four-wire conversions, or the need to terminate digital or high frequency facilities in channel bank equipment may require that Telephone Company equipment be placed at the customer’s premises. For example, if a voice frequency interface is ordered by the customer and the Telephone Company facilities serving the customer’s premises are digital, then Telephone Company channel bank equipment must be placed at the customer’s premises in order to provide the voice frequency interface ordered by the customer.

Interface Group 1 is provided with Type C Transmission Specifications, and Interface Groups 2, 6 and 9 are provided with Type A or B Transmission Specifications depending on the Feature Group and whether the Access Service is routed directly or through an access tandem. All Interface Groups are provided with Data Transmission Parameters.

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6. **Switched Access Service (Cont’d)**

6.4 **Service Provisioning (Cont’d)**

6.4.3 **Interface Groups (Cont’d)**

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

(A) **Interface Group 1**

Interface Group 1, except as set forth in the following provides two-wire analog voice frequency transmission at the point of termination at the customer’s premises. The interface is capable of transmission of voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hz.

Interface Group 1 is not provided in association with FGD when the first point of switching is an access tandem. In addition, Interface Group 1 is not provided in association with FGB or FGD when the first point of switching provides only four-wire terminations.

The transmission path between the point of termination at the customer’s premises and the first point of switching may be comprised of any form or configuration of plant capable of and typically used in the telecommunications industry for the transmission of voice and associated telephone signals within the frequency bandwidth of 300 to 3000 Hz.

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6. **Switched Access Service** (Cont’d)

6.4 **Service Provisioning** (Cont’d)

6.4.3 **Interface Groups** (Cont’d)

(A) **Interface Group 1** (Cont’d)

The interface is provided with loop supervisory signaling. When the interface is associated with FGA, such signaling will be loop start or ground start signaling. When the interface is associated with FGB or FGD, such signaling, except for two-way calling which is E&M signaling, will be reverse battery signaling.

(B) **Interface Group 2**

Interface Group 2 provides four-wire analog voice frequency transmission at the point of termination at the customer’s premises. The interface is capable of transmission of voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hz.

The transmission path between point of termination at the customer’s premises and the first point of switching may be comprised of any form or configuration of plant capable of and typically used in the telecommunications industry for the transmission of voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hz.

The interface is provided with loop supervisory signaling. When the interface is associated with FGA, such signaling will be loop start or ground start signaling. When the interface is associated with FGB or FGD, such signaling, except for two-way calling which is E&M signaling, will be reverse battery signaling.

Material on this page formerly appeared on Page 119.

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6. **Switched Access Service** (Cont’d)

   6.4 **Service Provisioning** (Cont’d)

   6.4.3 **Interface Groups** (Cont’d)

   (C) **Reserved for Future Use**

(D) **Reserved for Future Use**

(C) Indicates Change

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6. Switched Access Service (Cont’d)

6.4 Service Provisioning (Cont’d)

6.4.3 Interface Groups (Cont’d)

(E) Reserved for Future Use

(C) Indicates Change

Issued: July 20, 2000
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6. **Switched Access Service (Cont’d)**

6.4 **Service Provisioning (Cont’d)**

6.4.3 **Interface Groups (Cont’d)**

(F) **Interface Group 6**

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

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

The interface is provided with individual transmission path bit stream supervisory signaling.

Material on this page formerly appeared on Pages 121 and 122.

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6. **Switched Access Service** (Cont’d)

6.4 **Service Provisioning** (Cont’d)

6.4.3 **Interface Groups** (Cont’d)

(G) **Reserved for Future Use**

(C) **Indicates Change**

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6. **Switched Access Service** (Cont’d)

   6.4 **Service Provisioning** (Cont’d)

   6.4.3 **Interface Groups** (Cont’d)

   (H) **Reserved for Future use**

(C) Indicates Change

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6. Switched Access Service (Cont’d)

6.4 Service Provisioning (Cont’d)

6.4.3 Interface Groups (Cont’d)

(I) Interface Group 9

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

(J) Reserved for Future Use

(C) Indicates Change

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6. **Switched Access Service** (Cont'd)

6.4 **Service Provisioning** (Cont'd)

6.4.3 **Interface Group** (Cont'd)

(K) **Available Premises Interface Codes**

Following is a matrix showing, for each Interface Group, which premises interface codes are available as a function of the Telephone Company switch supervisory signaling and Feature Group. Each premises interface is identified by a specific premises interface code. Voice trunks are available with Interface Groups 2, 6 and 9. Signaling links are available with Interface Groups 6 and 9. For explanations of the codes see Section 7.3.1.

For explanations of these codes, see 7.3.1 following.

<table>
<thead>
<tr>
<th>Interface Group</th>
<th>Telephone Company Switch Supervisory Signaling</th>
<th>Premises Interface Code</th>
<th>Feature Group</th>
<th>A</th>
<th>B</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>LO, GO</td>
<td>2LS2</td>
<td></td>
<td></td>
<td></td>
<td>X</td>
</tr>
<tr>
<td></td>
<td>LO, GO</td>
<td>2LS3</td>
<td></td>
<td></td>
<td></td>
<td>X</td>
</tr>
<tr>
<td></td>
<td>GO</td>
<td>2GS2</td>
<td></td>
<td></td>
<td></td>
<td>X</td>
</tr>
<tr>
<td></td>
<td>GO</td>
<td>2GS3</td>
<td></td>
<td></td>
<td></td>
<td>X</td>
</tr>
<tr>
<td></td>
<td>LO, GO</td>
<td>2DX3</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>LO, GO</td>
<td>4EA3-E</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>LO, GO</td>
<td>4EA3-M</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>LO, GO</td>
<td>6EB3-E</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>LO, GO</td>
<td>6EB3-M</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>RV, EA, EB, EC</td>
<td>2DX3</td>
<td></td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td></td>
<td>RV, EA, EB, EC</td>
<td>4EA3-E</td>
<td></td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td></td>
<td>RV, EA, EB, EC</td>
<td>4EA3-M</td>
<td></td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td></td>
<td>RV, EA, EB, EC</td>
<td>6EB3-E</td>
<td></td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td></td>
<td>RV, EA, EB, EC</td>
<td>6EB3-M</td>
<td></td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td></td>
<td>EA, EB, EC</td>
<td>6EC3</td>
<td></td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td></td>
<td>RV</td>
<td>2RV3-0</td>
<td></td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td></td>
<td>RV</td>
<td>2RV3-T</td>
<td></td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
</tbody>
</table>

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6. **Switched Access Service** (Cont'd)

6.4 **General** (Cont'd)

6.4.3 **Rate Categories** (Cont'd)

(K) **Available Premises Interface Codes** (Cont'd)

<table>
<thead>
<tr>
<th>Interface Group</th>
<th>Telephone Interface Company Switch Supervisory Signaling</th>
<th>Premises Interface Code</th>
<th>Feature Group</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>LO, GO</td>
<td>4SF2</td>
<td>X X X</td>
</tr>
<tr>
<td></td>
<td>LO, GO</td>
<td>4SF3</td>
<td>X X X</td>
</tr>
<tr>
<td></td>
<td>LO</td>
<td>4LS2</td>
<td>X</td>
</tr>
<tr>
<td></td>
<td>LO</td>
<td>4LS3</td>
<td>X</td>
</tr>
<tr>
<td></td>
<td>LO</td>
<td>6LS2</td>
<td>X</td>
</tr>
<tr>
<td></td>
<td>GO</td>
<td>4GS2</td>
<td>X</td>
</tr>
<tr>
<td></td>
<td>GO</td>
<td>4GS3</td>
<td>X</td>
</tr>
<tr>
<td></td>
<td>GO</td>
<td>6GS2</td>
<td>X</td>
</tr>
<tr>
<td></td>
<td>LO, GO</td>
<td>4DX2</td>
<td>X X X</td>
</tr>
<tr>
<td></td>
<td>LO, GO</td>
<td>4DX3</td>
<td>X X</td>
</tr>
<tr>
<td></td>
<td>LO, GO</td>
<td>6EA2-E</td>
<td>X X X</td>
</tr>
<tr>
<td></td>
<td>LO, GO</td>
<td>6EA2-M</td>
<td>X X</td>
</tr>
<tr>
<td></td>
<td>LO, GO</td>
<td>8EB2-E</td>
<td>X X</td>
</tr>
<tr>
<td></td>
<td>LO, GO,</td>
<td>8EB2-M</td>
<td>X X</td>
</tr>
<tr>
<td></td>
<td>LO, GO</td>
<td>6EX2-B</td>
<td>X (C)</td>
</tr>
<tr>
<td></td>
<td>RV, EA, EB, EC</td>
<td>4SF2</td>
<td>X X</td>
</tr>
<tr>
<td></td>
<td>RV, EA, EB, EC</td>
<td>4SF3</td>
<td>X</td>
</tr>
<tr>
<td></td>
<td>RV, EA, EB, EC</td>
<td>4DX2</td>
<td>X X</td>
</tr>
<tr>
<td></td>
<td>RV, EA, EB, EC</td>
<td>4DX3</td>
<td>X</td>
</tr>
<tr>
<td></td>
<td>RV, EA, EB, EC</td>
<td>6DX2</td>
<td>X</td>
</tr>
<tr>
<td></td>
<td>RV, EA, EB, EC</td>
<td>6EA2-E</td>
<td>X X</td>
</tr>
<tr>
<td></td>
<td>RV, EA, EB, EC</td>
<td>6EA2-M</td>
<td>X X</td>
</tr>
<tr>
<td></td>
<td>RV, EA, EB, EC</td>
<td>8EB2-E</td>
<td>X X</td>
</tr>
<tr>
<td></td>
<td>RV, EA, EB, EC</td>
<td>8EB2-M</td>
<td>X X</td>
</tr>
<tr>
<td></td>
<td>EA, EB, EC</td>
<td>8EC2-M</td>
<td>X X</td>
</tr>
<tr>
<td></td>
<td>RV</td>
<td>4RV2-O</td>
<td>X X</td>
</tr>
<tr>
<td></td>
<td>RV</td>
<td>4RV2-T</td>
<td>X X</td>
</tr>
<tr>
<td></td>
<td>RV</td>
<td>4RV3-O</td>
<td>X</td>
</tr>
<tr>
<td></td>
<td>RV</td>
<td>4RV3-T</td>
<td>X</td>
</tr>
</tbody>
</table>

(C) Indicates Change

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6. **Switched Access Service (Cont'd)**

6.4 **General (Cont'd)**

6.4.3 **Rate Categories (Cont'd)**

(K) **Available Premises Interface Codes (Cont'd)**

<table>
<thead>
<tr>
<th>Interface Group</th>
<th>Telephone Company Switch Supervisory Signaling</th>
<th>Premises Interface Code</th>
<th>Feature Group</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>LO, GO</td>
<td>4DS9-15</td>
<td>X</td>
</tr>
<tr>
<td></td>
<td>LO, GO</td>
<td>4DS9-15L</td>
<td>X</td>
</tr>
<tr>
<td></td>
<td>RV, EA, EB, EC</td>
<td>4DS9-15</td>
<td>X X</td>
</tr>
<tr>
<td></td>
<td>RV, EA, EB, EC</td>
<td>4DS9-15L</td>
<td>X X</td>
</tr>
<tr>
<td>9</td>
<td>LO, GO</td>
<td>4DS6-44</td>
<td>X</td>
</tr>
<tr>
<td></td>
<td>LO, GO</td>
<td>4DS6-44L</td>
<td>X</td>
</tr>
<tr>
<td></td>
<td>RV, EA, EB, EC</td>
<td>4DS6-44</td>
<td>X X</td>
</tr>
<tr>
<td></td>
<td>RV, EA, EB, EC</td>
<td>4DS6-44L</td>
<td>X X</td>
</tr>
</tbody>
</table>

(C) Indicates Change

Issued: July 20, 2000  
Effective: July 21, 2000
6. **Switched Access Service** (Cont’d)

6.5 **Obligations of the Telephone Company**

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

6.5.1 **Network Management**

The Telephone Company will administer its network to insure the provision of acceptable service levels to all telecommunications users of the Telephone Company’s network services. Generally, service levels are considered acceptable only when both end users and customers are able to establish connections with little or no delay encountered within the Telephone Company network. The Telephone Company maintains the right to apply protective controls, i.e., those actions such as call gapping, which selectively cancel the completion of traffic, over any traffic carried over its network, including that associated with a customer’s Switched Access Service. Generally, such protective measures would only be taken as a result of occurrences such as failure or overload of Telephone Company or customer facilities, natural disasters, mass calling or national security demands. In the event that the protective controls applied by the Telephone Company result in the complete loss of service by the customer, the customer will be granted a Credit Allowance for Service Interruption as set forth in Section 2.4.4(B)(3) preceding.

6.5.2 **Design and Traffic Routin g of Switched Access Service**

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

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

Except for Feature Group B, the Telephone Company will also decide whether trunk side access will be provided through the use of two-wire or four-wire trunk terminating equipment.

Certain material on this page formerly appeared on Page 182.

(C) Indicates Change

Issued: March 22, 2000  Effective: April 1, 2000
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6. Switched Access Service (Cont’d)

6.5 Obligations of the Telephone Company (Cont’d)

6.5.2 Design and Traffic Routing of Switched Access Service (Cont’d)

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

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

6.5.3 Provision of Service Performance Data

Subject to availability, end-to-end service performance data available to the Telephone Company through its own service evaluation routines, may also be made available to the customer based on previously arranged intervals and format. These data provide information on overall end-to-end call completion and non-completion performance, e.g., customer equipment blockage, failure results and transmission performance. These data do not include service performance data which are provided under other tariff sections, e.g., testing service results. The charges for providing such data will be determined on an individual case basis.
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6. **Switched Access Service** (Cont’d)

6.5 **Obligations of the Telephone Company** (Cont’d)

6.5.4 **Trunk Group Measurement Reports**

Subject to availability, the Telephone Company will make available trunk group data in the form of usage in CCS, peg count and overflow, to the customer based on previously agreed to intervals. The charges for providing such data will be determined on an individual case basis.

6.5.5 **Determination of Number of Transmission Paths**

When ordering Switched Access Services in line quantities for Feature Group A or trunk quantities for Feature Groups B or D, the customer shall specify the number of transmission paths in lines or trunks based on their expected originating and terminating traffic. An equivalent termination will be provided for each feature group line or trunk requested.

(C) Indicates Change

Issued: March 22, 2000  Effective: April 1, 2000
6. Switched Access Service (Cont’d)

   6.5 Obligations of the Telephone Company (Cont’d)

6.5.6 Design Blocking Probability

   The Telephone Company will design and monitor the facilities used in the provision of Switched Access Service to meet the blocking probability criteria as set forth in (A) through (D) following:

   (A) For Feature Groups A and B no design blocking criteria apply.

   (B) Reserved For Future Use

   (C) For Feature Group D, the design blocking objective for the final group will be no greater than one percent (.01) between the point of termination at the customer’s premises and the end office switch, whether the traffic is directly routed without an alternate route or routed via an access tandem. Standard traffic engineering methods will be used by the Telephone Company to determine the number of transmission paths required to achieve this level of blocking. The Telephone Company will determine which traffic tables are used based on trunk group type and switch technology. The customer will be provided with these tables upon request.
6. **Switched Access Service (Cont’d)**

6.5 **Obligations of the Telephone Company (Cont’d)**

6.5.6 **Design Blocking Probability (Cont’d)**

(D) The Telephone Company will perform routine measurement functions for the capacity ordered, whether ordered in lines or trunks, to assure that an adequate number of transmission paths are in service. The Telephone Company will recommend that additional capacity (i.e., lines or trunks) be ordered by the customer when additional paths are required to reduce the measured blocking level. For the Feature Group D capacity ordered, the design blocking objective is assumed to have been met if the routine measurements show that the measured blocking does not exceed the thresholds listed in the following tables.

(1) For transmission paths carrying only first routed traffic directly between an end office and a customer’s premises without an alternate route, and for paths carrying only overflow traffic, the measured blocking thresholds are as follows:

<table>
<thead>
<tr>
<th>Number of Transmission Paths Per Trunk Group</th>
<th>Measured Blocking Thresholds in the Time Consistent Busy Hour for the Number of Measurements Per Trunk Group</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>15-20 Measurements</td>
</tr>
<tr>
<td>2</td>
<td>.070</td>
</tr>
<tr>
<td>3</td>
<td>.050</td>
</tr>
<tr>
<td>4</td>
<td>.050</td>
</tr>
<tr>
<td>5-6</td>
<td>.040</td>
</tr>
<tr>
<td>7 - 336</td>
<td>.030</td>
</tr>
<tr>
<td>337 - 504</td>
<td>.025</td>
</tr>
<tr>
<td>505 or more</td>
<td>.020</td>
</tr>
</tbody>
</table>

(C) Indicates Change

Issued: March 22, 2000  Effective: April 1, 2000
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6. **Switched Access Service (Cont’d)**

6.5 **Obligations of the Telephone Company (Cont’d)**

6.5.6 **Design Blocking Probability (Cont’d)**

(D) (Cont’d)

(2) For transmission paths carrying first routed traffic between an end office and a customer's premise via an access tandem, the measured blocking thresholds are as follows:

<table>
<thead>
<tr>
<th>Number of Transmission Paths Per Trunk Group</th>
<th>Measured Blocking Thresholds in the Time Consistent Busy Hour for the Number of Measurements Per Trunk Group</th>
</tr>
</thead>
<tbody>
<tr>
<td>15-20 Measurements</td>
<td>11-14 Measurements</td>
</tr>
<tr>
<td>2</td>
<td>.045</td>
</tr>
<tr>
<td>3</td>
<td>.035</td>
</tr>
<tr>
<td>4</td>
<td>.035</td>
</tr>
<tr>
<td>5-6</td>
<td>.025</td>
</tr>
<tr>
<td>7-336</td>
<td>.020</td>
</tr>
<tr>
<td>337-504</td>
<td>.015</td>
</tr>
<tr>
<td>505 or more</td>
<td>.010</td>
</tr>
</tbody>
</table>

6.6 **Obligations of the Customer**

In addition to the Obligations of the customer set forth in Section 2 preceding, the customer has certain specific obligations pertaining to the use of Switched Access Service. These obligations are as follows:

(C) Indicates Change

Issued: March 22, 2000
Effective: April 1, 2000
6. **Switched Access Service** (Cont’d)

6.6 **Obligations of the Customer** (Cont’d)

6.6.1 **Report Requirements**

Customers are responsible for providing the following reports to the Telephone Company, when applicable.

(A) **Jurisdictional Reports**

When a customer orders Switched Access Service for both interstate and intrastate use, the customer is responsible for providing reports as set forth in Section 2.3.14 preceding. Charges will be apportioned in accordance with those reports. The method to be used for determining the intrastate charges is set forth in Section 2.3.15 preceding.

(B) **Code Screening Reports**

When a customer orders service class routing, trunk access limitation or call gapping arrangements, it must report the number of trunks and/or the appropriate codes to be instituted in each end office or access tandem switch, for each of the arrangements ordered.

(C) **Interim 500 Access Service NXX Codes**

All 500 NXX Code assignments and administration shall be in accordance with the North American Numbering Plan (NANP).

When ordering Interim 500 Access Service, NXX Codes to be activated and NXX Codes to be deactivated must be provided to the Telephone Company at least 30 calendar days prior to the effective date of the change. Customer assigned codes, for which an order has not been received, will be blocked. When Interim 500 Access Service intrastate traffic is terminated on a switched access line and not on a dedicated access line, the customer must notify the Telephone Company of all local exchange telephone numbers to which Interim 500 Access Service traffic is designated so that the Telephone Company can balance the end office in accordance with standard Telephone Company engineering practices for heavy volume lines.

(C) Indicates Change

Issued: March 22, 2000

Effective: April 1, 2000
6. Switched Access Service (Cont’d)

6.6 Obligations of the Customer (Cont’d)

6.6.2 Supervisory Signaling

The customer’s facilities shall provide the necessary on-hook, off-hook, answer and disconnect supervision.

6.6.3 Trunk Group Measurement Reports

With the agreement of the customer, trunk group data in the form of usage in CCS, peg count and overflow for its end of all access trunk groups, where technologically feasible, will be made available to the Telephone Company. These data will be used to monitor trunk group utilization and service performance and will be based on previously arranged intervals and format.

6.6.4 Design of Switched Access Services

When a customer orders Switched Access Service on a per line or per trunk basis, it is the customer’s responsibility to assure that sufficient access services have been ordered to handle its traffic.

6.6.5 Customer’s V & H Location

The customer shall provide to the Telephone Company at the time services are requested the V & H coordinates of its facilities at the point of termination.

(C) Indicates Change

Issued: March 22, 2000

Effective: April 1, 2000
6. **Switched Access Service** (Cont’d)

### 6.7 Rate Regulations

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

#### 6.7.1 Description and Application of Rates and Charges

There are four types of rates and charges that apply to Switched Access Service. These are monthly recurring rates (including fixed and per mile), non-recurring charges, usage rates and zone density charges. These rates and charges are applied differently to the various rate elements as set forth in (E) following.

(A) **Monthly Rates**

Monthly rates are flat recurring rates that apply each month or fraction thereof that a specific rate element is provided regardless of the amount of usage. Monthly rates may be either distance sensitive (per mile) or non-distance sensitive (fixed). For billing purposes, each month is considered to have 30 days.

(B) **Usage Rates**

Usage rates are rates that apply only when a specific rate element is used. These are applied on a per access minute basis as described in 6.7.1(E), or on a query basis as described in 6.2.5 preceding. Usage rates may be either distance sensitive (per mile) or non-distance sensitive (fixed). Access minute charges are accumulated over a monthly period.

(C) **Nonrecurring Charges**

Nonrecurring charges are one-time charges that apply for a specific work activity (i.e., installation or change to an existing service) and are developed at full cost recovery on a labor hours per labor time basis. When service is jointly provided under the Single Bill Method of Multiple Company (Interconnection Point) Billing, the nonrecurring charges reflect the average weighted costs of the exchange telephone companies involved and are applicable to all nonrecurring functions in the provision of Switched Access Service. Under the Multiple Bill Method, the nonrecurring charges reflect only the Telephone Company’s costs and are applicable only when the nonrecurring function occurs within its territory. The types of nonrecurring charges that apply for Switched Access Service are: installation of service, installation of optional features, service rearrangements and Interim 500 Access Service.

(C) Indicates Change
ACCESS SERVICE

6. Switched Access Service (Cont’d)

6.7 Rate Regulations (Cont’d)

6.7.1 Description and Application of Rates and Charges (Cont’d)

(C) Nonrecurring Charges (Cont’d)

(1) Installation of Service

Nonrecurring charges apply to each Switched Access Service installed. For FGA, the per line installation charge is applicable. For FGB, FGD, Interim 500 Access and TFC Access the per trunk installation charge is applicable on a per end office or tandem basis. The nonrecurring charge for the installation of Entrance Facilities is applied for each point of termination.

(2) Installation of Optional Features

If a separate nonrecurring charge applies for the installation of an optional feature available with Switched Access Service, the charge applies whether the feature is installed coincident with the initial installation of service or at any time subsequent to the initial installation of service.

(3) Service Rearrangements

Service rearrangements are changes to existing services installed which do not result in either a change in the minimum period requirements as set forth in Section 5.2.5 preceding or a change in the physical location of the point of termination at the customer’s premises or the customer’s end user’s premises. Changes which result in the establishment of new minimum period obligations are treated as disconnects and starts. Changes in the physical location of the point of termination are treated as moves and are described and charged for as set forth in 6.7.5 following.

Certain material on this page formerly appeared on Page 191.1.

(C) Indicates Change

Issued: March 22, 2000
Effective: April 1, 2000
6. **Switched Access Service (Cont’d)**

6.7 **Rate Regulations (Cont’d)**

6.7.1 **Description and Application of Rates and Charges (Cont’d)**

(C) **Nonrecurring Charges (Cont’d)**

(3) **Service Rearrangements (Cont’d)**

The charge to the customer for the service rearrangement is dependent on whether the change is administrative only in nature or involves an actual physical change to the service.

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

- Change of customer name, (i.e., the customer of record does not change but rather the customer of record changes its name—e.g., AT&T-Long Lines to AT&T-Communications),
- 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,
ACCESS SERVICE

6. Switched Access Service (Cont’d)

6.7 Rate Regulations (Cont’d)

6.7.1 Description and Application of Rates and Charges (Cont’d)

(C) Nonrecurring Charges (Cont’d)

(3) Service Rearrangements (Cont’d)

- Change in billing data (name, address, or contact name or telephone number),
- Change of agency authorization,
- Change of customer circuit identification,
- Change of billing account number,
- Change of customer test line number,
- Change of customer or customer’s end user contact name or telephone number,
- Change of jurisdiction

All other service rearrangements will be charged for as follows:

- If the change involves the addition of or a modification to an optional feature which has a separate nonrecurring charge, that nonrecurring charge will apply.
- The nonrecurring charges associated with routing trunks from tandem to end office or from end office to tandem transport will not apply when the following conditions are met:

  (a) The customer must maintain the same customer premises location. Requests to add or change optional features will be subject to the charges applicable to the features.

  (b) Direct routed end office trunks must subtend the tandem from which the service is being rearranged.

  (c) One trunk at the end office or tandem must be disconnected for each rerouted tandem or end office trunk installed with the following exception. If the customer demonstrates that industry accepted engineering standards require the installation of additional trunks, the nonrecurring charges for such additional trunks will not apply.

Certain material formerly on this page now appears on Page 192.

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ACCESS SERVICE

6. Switched Access Service (Cont’d)

6.7 Rate Regulations (Cont’d)

6.7.1 Description and Application of Rates and Charges (Cont’d)

(C) Nonrecurring Charges (Cont’d)

(3) Service Rearrangements (Cont’d)

(d) The order to disconnect from the tandem or end office must be placed at the same time as the order to connect at the tandem or end office. The due date for the disconnect order may not be more than 90 days after the due date for the order to install the tandem or end office trunk.

These nonrecurring charges include installation of new facilities between the Telephone Company serving wire center and the customer’s designated premises when such facilities are required to provision rerouted trunks.

- The nonrecurring charges associated with upgrades in capacity (i.e., multiple DS0s converting to DS1s or multiple DS1s converting to DS3s or STS1s, or DS3s converting to STS1s) will not apply when the customer maintains the same customer premises location. Requests to add or change optional features will be subject to the nonrecurring charges associated with the features requested.

- A nonrecurring service upgrade charge, as set forth in Section 6.8.1 following, will apply per DS1, DS3, or STS1 upgraded when converting existing high capacity services to OptiPoint service. The charge does not apply when OptiPoint is ordered as new service and no existing high capacity services are being relocated to the OptiPoint service. For orders for new services submitted after April 16, 2001, the nonrecurring service upgrade charge will apply for each DS1, DS3, or STS1 channel connected to new OptiPoint service when existing DS1, DS3, or STS1 facilities between the same points of termination as the new OptiPoint service are disconnected within 30 days of the order for new services.

- Service rearrangement charges will not apply when a customer converts trunks from tandem-switched transport to direct-trunked transport, or orders the disconnection of over-provisioned trunks, prior to October 1, 2001.

(C) Indicates Change

Issued: November 13, 2002 Effective: November 14, 2002
6. **Switched Access Service** (Cont’d)

6.7 **Rate Regulations** (Cont’d)

6.7.1 **Description and Application of Rates and Charges** (Cont’d)

(C) **Nonrecurring Charges** (Cont’d)

(3) **Service Rearrangements** (Cont’d)

- Service rearrangements to redirect traffic from direct routed to tandem routed for performance of the TFC data base query required for TFC Access Service, where the TFC query function is initially available only at the tandem, will be assessed the End Office to Tandem Rearrangement Charge set forth in 6.8.2(A) following. When the TFC data base query function becomes available for TFC Access Service at end offices subtending the tandem to which customers have redirected TFC traffic, customers will be allowed to rearrange TFC traffic from tandem routed to direct routed at no charge provided that the same customer premises is maintained.

- For service rearrangements involving OC3, OC12 or OC48 switched access services (e.g., OptiPoint Service), a charge equal to one half the Optical Service Charge set forth in 6.8.5 will apply for each node rearranged.

- For all other changes, including the addition of, or modifications to, optional features without separate nonrecurring charges, a charge equal to one half the Switched Transport nonrecurring (i.e., installation) charge will apply. When an optional feature is not required on each transmission path, but rather for an entire transmission path group, an end office or an access tandem switch, only one such charge will apply (i.e., it will not apply per transmission path).

(C) Indicates Change

Issued: August 23, 2001  Effective: August 24, 2001
ACCESS SERVICE

6. Switched Access Service (Cont’d)

6.7 Rate Regulations (Cont’d)

6.7.1 Description and Application of Rates and Charges (Cont’d)

(C) Nonrecurring Charges (Cont’d)

(4) Interim 500 Access Service

A nonrecurring charge as specified in 6.8.4 following applies each time a change is made which involves the addition or deletion of 500 NXX codes to be routed to the customer. The charge is assessed per 500 NXX code added or deleted for each Telephone Company end office switch or access tandem in which translation changes are required. This charge applies to the initial loading of one or more 500 NXX codes required to establish service for the customer, and to any subsequent changes (i.e., additions or deletions) to those codes. There is also an Assembly of Route Pattern nonrecurring charge that applies once for each Telephone Company end office, but only on the customer's initial request to the Telephone Company for Interim 500 Access Service in each LATA, access tandem or end office.

(D) Zone Density Charges

Zone density charges are applicable only to DS1 and DS3 switched access services (i.e., Entrance Facility, Direct-Trunked Transport, Tandem Switched Transmission, Tandem Switching, and DS1 to Voice and DS3 to DS1 Multiplexing) provided at the Telephone Company designated exchanges set forth in Section 6.7.16 following. Zone density charges are recurring rates that apply each month or fraction thereof that a DS1 or DS3 switched access service is provided. For billing purposes, each month is considered to have 30 days.

(E) Application of Rates

Usage-sensitive Switched Transport rates and Local Switching rates are applied on a per minute of use basis.
ACCESS SERVICE

6. **Switched Access Service** (Cont’d)

6.7 **Rate Regulations** (Cont’d)

6.7.1 **Description and Application of Rates and Charges** (Cont’d)

(E) **Application of Rates** (Cont’d) (C)

Reserved for Future Use

(C) Indicates Change

Issued: May 16, 2013  Effective: July 2, 2013
ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.1 Description and Application of Rates and Charges (Cont'd)

(E) Application of Rates (Cont’d)  

(C) Reserved for Future Use

(C) Indicates Change

Issued: May 16, 2013  
Effective: July 2, 2013
ACCESS SERVICE

6.  **Switched Access Service** (Cont’d)

6.7  **Rate Regulations** (Cont’d)

6.7.1  **Description and Application of Rates and Charges** (Cont’d)

(E)  **Application of Rates** (Cont’d)  (C)

Reserved for Future Use

(C) Indicates Change

Issued:  May 16, 2013  
Effective:  July 2, 2013
6. **Switched Access Service** (Cont’d)

   6.7 **Rate Regulations** (Cont’d)

   6.7.1 **Description and Application of Rates and Charges** (Cont’d)

   (E) **Application of Rates** (Cont’d)  

   Reserved for Future Use  

(C) Indicates Change

Issued: May 16, 2013  
Effective: July 2, 2013
6. **Switched Access Service** (Cont'd)

6.7 **Rate Regulations** (Cont'd)

Reserved For Future Use

(C) Indicates Change

Issued: March 22, 2000

Effective: April 1, 2000
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6. **Switched Access Service** (Cont’d)

6.7 **Rate Regulations** (Cont’d)

Reserved For Future Use

(C) Indicates Change

 Issued: March 22, 2000

Effective: April 1, 2000
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6. **Switched Access Service** (Cont’d)

   6.7 **Rate Regulations** (Cont’d)

   Reserved for Future Use

(C) Indicates Change

Issued: March 22, 2000  Effective: April 1, 2000
6. **Switched Access Service** (Cont’d)

6.7 **Rate Regulations** (Cont’d)

Reserved For Future Use

(C) Indicates Change

Issued: March 22, 2000

Effective: April 1, 2000
ACCESS SERVICE

6. Switched Access Service (Cont’d)

6.7 Rate Regulations (Cont’d)

6.7.2 Minimum Periods

The minimum service period for all switched access services is one month, with the exception of OptiPoint Services and Feature Group D. Feature Group D is provided for a minimum period of three months.

(C) Indicates Change

Issued: March 15, 2001
Effective: April 16, 2001
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6. Switched Access Service (Cont’d)

6.7 Rate Regulations (Cont’d)

6.7.3 Minimum Monthly Charge

Switched Access Service is subject to a minimum monthly charge. The minimum charge applies for the total capacity provided. The minimum monthly charge consists of the following elements:

For usage rated Switched Access Services, the minimum monthly charge for the Tandem-Switched Transport and Local Switching rate elements is the sum of the charges set forth in 6.8.1(C) and 6.8.2 following for the measured usage for the month.

For flat rated Switched Access Services, the minimum monthly charge for the Entrance Facility and Direct-Trunked Transport rate elements is the applicable monthly rate for the service.

(C) Indicates Change

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6. **Switched Access Service** (Cont’d)

6.7 **Rate Regulations** (Cont’d)

Reserved for Future Use

(C) Indicates Change

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Effective: April 1, 2000
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6. Switched Access Service (Cont’d)

6.7 Rate Regulations (Cont’d)

6.7.4 Change of Feature Group Type

Changes from one type of Feature Group to another will be treated as a discontinuance of one type of service and a start of another. Nonrecurring charges will apply, with the following exception:

When a customer upgrades a Feature Group A or B service to a Feature Group D service, the nonrecurring charges will not apply if the following conditions are met:

(1) The same customer premises is maintained, and

(2) The orders for the disconnect of the FGA or FGB service and the start of FGD service are placed with the Telephone Company at the same time, and

(3) The customer requests the same effective date for both the disconnect of service and start of service orders, or

(4) The customer requests the FGA or FGB service be disconnected no more than 90 days after the start of the FGD service.

(C) Indicates Change

Issued: March 22, 2000
Effective: April 1, 2000
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6. Switched Access Service (Cont’d)

6.7 Rate Regulations (Cont’d)

6.7.4 Change of Feature Group Type (Cont’d)

At the time the customer upgrades from FGA or FGB to FGD, the customer may also change the facility used to provide the upgraded service. This change will be made at no additional charge and may include a change in the connection type (e.g., Voice Grade to DS1) and/or a change in the facility type (e.g., Direct-Trunked Transport to Tandem-Switched Transport).

When the effective dates for the disconnect and start of service are the same, minimum period obligations will not change, (i.e., the time elapsed in the existing minimum period obligations will be credited to the minimum period obligations for FGD). When the effective dates for the disconnect and start of service are different, new minimum period obligations will be established for the FGD service. For all other changes from one type of Feature Group to another, new minimum period obligations will also be established.

6.7.5 Moves

A move involves a change in the physical location of one of the following:

- The point of termination at the customer’s premises
- The customer’s premises

The charges for the move are dependent on whether the move is to a new location within the same building or to a different building.

(A) Moves Within the Same Building

When the move is to a new location within the same building, the charge for the move will be an amount equal to one half of the nonrecurring (i.e., installation) charge for the capacity affected. There will be no change in the minimum period requirements.

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6. **Switched Access Service (Cont’d)**

6.7 **Rate Regulations (Cont’d)**

6.7.5 **Moves (Cont’d)**

**(B) Moves to a Different Building**

Moves to a different building will be treated as a discontinuance and start of service and all associated nonrecurring charges will apply. New minimum period requirements will be established for the new service. The customer will also remain responsible for satisfying all outstanding minimum period charges for the discontinued service.

When moves to a different building occur simultaneously with rerouting trunks from tandem to end office or from end office to tandem transport, a charge equal to one half of the associated installation charges will apply.

6.7.6 **Accumulation of Number of Transmission Paths**

The number of transmission paths used to determine the charges as set forth in Section 6.8 shall be the sum of the number of paths actually provided as set forth in Section 6.5.5.

6.7.7 **Measuring Access Minutes**

Customer traffic to end offices will be measured by the Telephone Company at end office switches or access tandem switches. Originating and terminating calls will be measured by the Telephone company to determine the basis for computing chargeable access minutes. For terminating calls over FGA, FGB and FGD, and for originating calls over FGA, FGB and FGD, the measured minutes are the chargeable access minutes.

FGA access minutes, or fraction thereof, with the exact value of the fraction being a function of the switch technology where the measurement is made, are accumulated over the billing period for each line or hunt group, and are then rounded up to the nearest access minute for each line or hunt group.

(C) Indicates Change

Issued: March 22, 2000  Effective: April 1, 2000
ACCESS SERVICE

6. **Switched Access Service** (Cont’d)

6.7 **Rate Regulations** (Cont’d)

6.7.7 **Measuring Access Minutes** (Cont’d)

FGB and FGD access minutes or fractions thereof, the exact value of the fraction being a function of the switch technology where the measurement is made, are accumulated over the billing period for each end office, and are then rounded up to the nearest access minute for each end office.

(C) Indicates Change

Issued: March 22, 2000

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6. **Switched Access Service** (Cont’d)

6.7 **Rate Regulations** (Cont’d)

6.7.7 **Measuring Access Minutes** (Cont’d)

(A) **Feature Group A Usage Measurement**

For originating calls over FGA, usage measurement begins when the originating FGA entry switch receives an off-hook supervisory signal forwarded from the customer's point of termination, indicating that the customer has received the call.

The measurement of originating call usage over FGA ends when the originating FGA entry switch receives an on-hook supervisory signal from either the originating end user's end office, indicating the originating end user has disconnected, or the customer's point of termination, whichever is recognized first by the entry switch.

(C) Indicates Change

Issued: March 22, 2000

Effective: April 1, 2000
6. **Switched Access Service** (Cont’d)

6.7 **Rate Regulations** (Cont’d)

6.7.7 **Measuring Access Minutes** (Cont’d)

(A) **Feature Group A Usage Measurement** (Cont’d)

For terminating calls over FGA, usage measurement begins when the terminating FGA entry switch receives an off-hook supervisory signal from the terminating end user's end office, indicating the terminating end user has answered. The measurement of terminating call usage over FGA ends when the terminating FGA entry switch receives an on-hook supervisory signal from either the terminating end user's end office, indicating the terminating end user has disconnected, or the customer's point of termination, whichever is recognized first by the entry switch.

(B) **Feature Group B Usage Measurement**

For originating calls over FGB, usage measurement begins when the originating FGB entry switch receives answer supervision forwarded from the customer's point of termination, indicating the customer's equipment has answered.

The measurement of originating call usage over FGB ends when the originating FGB entry switch receives disconnect supervision from either the originating end user's end office, indicating the originating end user has disconnected, or the customer's point of termination, whichever is recognized first by the entry switch.

For terminating calls over FGB, usage measurement begins when the terminating FGB entry switch receives answer supervision from the terminating end user's end office, indicating the terminating end user has answered.

The measurement of terminating call usage over FGB ends when the terminating FGB entry switch receives disconnect supervision from either the terminating end user's end office, indicating the terminating end user has disconnected, or the customer's point of termination, whichever is recognized first by the entry switch.

(C) Indicates Change

Issued: March 22, 2000  Effective: April 1, 2000
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6. Switched Access Service (Cont’d)

6.7 Rate Regulations (Cont’d)

6.7.7 Measuring Access Minutes (Cont’d)

Reserved for Future Use (C)

(C) Indicates Change

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Effective: April 1, 2000
ACCESS SERVICE

6. **Switched Access Service (Cont’d)**

6.7 **Rate Regulations (Cont’d)**

6.7.7 **Measuring Access Minutes (Cont’d)**

(C) **Feature Group D Usage Measurement**

For originating calls over FGD, usage measurement begins when the originating FGD entry switch receives the first wink supervisory signal forwarded from the customer's point of termination.

The measurement of originating call usage over FGD ends when the originating FGD entry switch receives disconnect supervision from either the originating end user’s end office, indicating the originating end user has disconnected, or the customer's point of termination, whichever is recognized first by the entry switch.

For terminating calls over FGD, the measurement of access minutes begins when the terminating FGD entry switch receives answer supervision from the terminating end user's end office, indicating the terminating end user has answered.

The measurement of terminating call usage over FGD ends when the terminating FGD entry switch receives disconnect supervision from either the terminating end user’s end office, indicating the terminating end user has disconnected, or the customer's point of termination, whichever is recognized first by the entry switch.

(C) Indicates Change

Issued: March 22, 2000  Effective: April 1, 2000
ACCESS SERVICE

6. **Switched Access Service** (Cont’d)

6.7 **Rate Regulations** (Cont’d)

6.7.7 **Measuring Access Minutes** (Cont’d)

**(D) Toll Free Code (TFC) Access Service Usage Measurement**

Usage measurement from end offices without the customer identification function begins when the originating end office switch receives off-hook supervision forwarded from the customer’s point of termination, indicating the transmitted digits have been received.

Usage measurement from end offices with the customer identification function begins when the originating end office switch receives the first wink supervisory signal forwarded from the customer’s point of termination.

In all cases, usage measurement ends when the originating end office receives on-hook disconnect supervision from either the originating end user’s end office, indicating the originating end user has disconnected, or the customer’s point of termination, which ever is recognized first by the end office.

(C) Indicates Change

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ACCESS SERVICE

6. **Switched Access Service (Cont’d)**

6.7 **Rate Regulations (Cont’d)**

6.7.7 **Measuring Access Minutes (Cont’d)**

(E) **Interim 500 Access Service Usage Measurement**

Usage measurement from end offices without the customer identification function begins when the originating end office switch receives off-hook supervision forwarded from the customer's point of termination, indicating the transmitted digits have been received.

Usage measurement from end offices with the customer identification function begins when the originating end office switch receives the first wink supervisory signal forwarded from the customer's point of termination.

In all cases, usage measurement ends when the originating end office receives on-hook disconnect supervision from either the originating end user's end office, indicating the originating end user has disconnected, or the customer's point of termination, whichever is recognized first by the end office.

(C) Indicates Change

Issued: March 22, 2000
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6. Switched Access Service (Cont’d)

6.7 Rate Regulations (Cont’d)

6.7.8 Network Blocking Charge for Feature Group D (C)

The customer will be notified by the Telephone Company to increase its capacity (quantities of trunks) when excessive trunk group blocking occurs on groups carrying Feature Group D traffic. Excessive trunk group blocking occurs when the blocking thresholds as described in 6.5.6 preceding are exceeded. If the order for sufficient additional capacity to handle the customers’ traffic has not been received by the Telephone Company within 15 days of the notification, the Telephone Company will bill the customer, at the rate set forth in 6.8.1(E) following, for each overflow in excess of the chargeable threshold.

Chargeable Thresholds

For Trunk Groups As Specified in 6.5.6(D)(1)

<table>
<thead>
<tr>
<th>Trunk Group Size</th>
<th>Allowable Overflows Per Trunk Per Month</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-2</td>
<td>18</td>
</tr>
<tr>
<td>3-4</td>
<td>19</td>
</tr>
<tr>
<td>5-6</td>
<td>13</td>
</tr>
<tr>
<td>7-40</td>
<td>10</td>
</tr>
<tr>
<td>41-139</td>
<td>9</td>
</tr>
<tr>
<td>140-500</td>
<td>8</td>
</tr>
<tr>
<td>501 or greater</td>
<td>7</td>
</tr>
</tbody>
</table>

For Trunk Groups As Specified in 6.5.6(D)(2)

<table>
<thead>
<tr>
<th>Trunk Group Size</th>
<th>Allowable Overflows Per Trunk Per Month</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-4</td>
<td>10</td>
</tr>
<tr>
<td>5-6</td>
<td>8</td>
</tr>
<tr>
<td>7-125</td>
<td>6</td>
</tr>
<tr>
<td>126 or greater</td>
<td>5</td>
</tr>
</tbody>
</table>

(C) Indicates Change

Issued: March 14, 2001 Effective: March 15, 2001
ACCESS SERVICE

6. **Switched Access Service** (Cont’d)

6.7 **Rate Regulations** (Cont’d)

6.7.9 **Application of Rates for Extension Service**

Feature Group A Switched Access Service is available with extensions, i.e., additional terminations of the service at different building(s) in the same or a different exchange. Feature Group A extensions within the same exchange are charged for under the Telephone Company’s local and/or general exchange service tariffs. Feature Group A extensions in different exchanges are charged for as Special Access Service. The rate elements which apply are: A Voice Grade Channel Termination and Channel Mileage if applicable. All appropriate monthly rates and nonrecurring charges set forth in Section 7.5.3 following will apply. Such extensions are ordered as set forth in Section 5.2 preceding.

6.7.10 **Message Unit Credit**

Where Local Measured Service (LMS) is available, and for calls from end users to the seven digit local telephone numbers associated with Feature Group A Switched Access Service will not be charged; therefore, a message unit credit will not be applicable.

6.7.11 **Local Information Delivery Services**

Calls over Switched Access in the terminating direction to certain community information services will be rated under the applicable rates for Switched Access Service as set forth in 6.8 following. In addition, the charges per call as specified under the Telephone Company’s local and/or general exchange service tariffs, e.g., 976 (DIAL-IT) Network Services, will also apply.

6.7.12 **Mileage Measurement**

The mileage to be used to determine the monthly rate for Direct-Trunked Transport and Tandem-Switched Transport is calculated based on the airline distance between the end office switch where the call carried by Switched Transport service originates or terminates and the customer’s serving wire center except as set forth in (A) through (L) following. The V&H coordinates method is used to determine mileage. This method is set forth in the National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4 for Wire Center Information (V&H) coordinates.

Certain material now appearing of this page previously appeared on Fourth Revised Page 210.

(C) Indicates Change

Issued: May 1, 2002

Effective: May 2, 2002
ACCESS SERVICE

6. Switched Access Service (Cont’d)

6.7 Rate Regulations (Cont’d)

6.7.12 Mileage Measurement (Cont’d)

If the calculation results in a fraction of a mile, always round up to the next whole mile before applying the rates.

Exceptions to the mileage measurement rules are as follows:

(A) When Switched Transport facilities of different capacities are interconnected by a multiplexer at a location other than the serving wire center, mileage is determined using the V&H coordinates method as set forth following:

(1) When only one multiplexer is involved, mileage for Direct-Trunked Transport and Tandem-Switched Transport is measured separately from the serving wire center to the hub where multiplexing (i.e., facilities interconnection) occurs and then measured from the hub to the end office where the call is switched to originate or terminate.

(2) When more than one multiplexer is involved, mileage for Direct-Trunked Transport and Tandem-Switched Transport is measured successively from the serving wire center to the first hub, from the first hub to the second hub, and then from the second hub to the end office where the call is switched to originate or terminate.

If more than two hubs are involved, mileage is measured successively between each intervening hub, with the final measurement being from the last hub to the end office where the call is switched to originate or terminate.

(B) When transport is provided to a host/remote arrangement, Tandem-Switched Transmission rates apply from the Host office to the associated RSMs/RSSs. Mileage for Tandem-Switched Transmission is calculated from the V&H coordinates of the Host office and the RSS/RSM where the call originates or terminates. Additional Tandem-Switched Transport or Direct-Trunked Transport rates apply depending on the transport service provided from the host/remote arrangement.

Certain material previously appearing on this page now appears on Page 209.

(C) Indicates Change

Issued: May 1, 2002  Effective: May 2, 2002
6. **Switched Access Service** (Cont’d)

6.7 **Rate Regulations** (Cont’d)

6.7.12 **Mileage Measurement** (Cont’d)

(C) When Switched Transport is provided to a Class 4/5 switch (i.e., a switch that functions as both an access tandem and end office) for both access tandem routing and end office routing, mileage is calculated using the V&H coordinates method.

Direct Trunked Transport is measured from the serving wire center to the hub interconnecting the Tandem-Switched Transport and the Direct-Trunked Transport facilities and then measured from the hub to the end office.

Tandem-Switched Transmission is measured from the hub interconnecting the Tandem-Switched Transport and the Direct-Trunked Transport facilities to the end office where the call is switched to originate or terminate.

(D) When Direct-Trunked Transport is provided for line side Switched Access services (i.e., FGA), both Direct-Trunked Transport and Tandem-Switched Transmission rates apply.

Direct-Trunked Transport applies to both originating and terminating usage, and mileage is calculated using the V&H coordinates of the customer’s serving wire center and the end office switch where the dial tone for the line side Switched Access service is provided.

Tandem-Switched Transmission applies only to a terminating usage, and mileage is calculated using the V&H coordinates of the dial tone office and the end office where the call is switched to terminate.

(E) Mileage for access minutes in the originating direction over Feature Group A Switched Access Service will be calculated on an airline basis, using the V&H coordinates method, between the end office switch where the Feature Group A switching dial tone is provided and the customer’s serving wire center for the Switched Access Service provided.

(F) When trunks are rerouted from an end office to an access tandem as set forth in 6.7.1(C)(3) preceding, the Switched Transport mileage will be calculated on the airline distance between the end office and the serving wire center of the customer’s POP associated with that access tandem.

(C) Indicates Change

Issued: March 22, 2000
Effective: April 1, 2000
6. **Switched Access Service** (Cont’d)

6.7 **Rate Regulations** (Cont’d)

6.7.12 **Mileage Measurement** (Cont’d)

(G) When the Alternate Traffic Routing optional feature is provided with Feature Groups B and D to provide service from an end office to different customer premises locations, Switched Transport access minutes will be apportioned between the two transmission routes used to provide this feature. For Feature Group B such apportionment will be made using standard Telephone Company traffic engineering methodology and will be based on the last trunk CCS desired for the high usage group, as described in 6.3(O) preceding, and the relative capacity ordered to the end office, when the feature is provided at an end office switch, or to the subtending end offices when the feature is provided at an access tandem switch. For Feature Group D, the apportionment will be based on the actual measured data which is recorded against the specific trunk group that carried a particular call. This apportionment will serve as the basis for the Switched Transport mileage calculation. The customer will be billed accordingly.

(C) Indicates Change

Issued: March 22, 2000 Effective: April 1, 2000
ACCESS SERVICE

6. **Switched Access Service** (Cont’d)

6.7 **Rate Regulations** (Cont’d)

6.7.12 **Mileage Measurement** (Cont’d)

(H) Switched Transport mileage for access minutes originating from or terminating at a remote switching system (RSS) or remote switching module (RSM) that shares an NXX with its host office will be based on the airline miles between the customer’s serving wire center and the host office. Switched Transport mileage for access minutes originating from or terminating at an RSS or RSM that has its own NXX (i.e., different from the host’s NXX) will be based on the airline miles between the customer’s serving wire center and the RSS or RSM.

(I) When FGA calls terminate within the local calling area of the dial tone office, the Switched Transport mileage will be calculated on an airline basis between the customer’s serving wire center and the dial tone office.

(J) Switched transport mileage for Interim 500 and TFC Access Service is based on the airline distance between the end office switch where the Interim 500 or TFC Access Service traffic originates and the customer’s serving wire center.

(C) Indicates Change

Issued: March 22, 2000 Effective: April 1, 2000
ACCESS SERVICE

6. **Switched Access Service** (Cont’d)

6.7 **Rate Regulations** (Cont’d)

6.7.12 **Mileage Measurement** (Cont’d)

(K) Reserved for Future Use

(L) Where Feature Groups A, B, and D Switched Access Services are connected with Special Access Service at a WATS Serving Office, the Telephone Company will measure mileage on an airline mileage basis between:

(1) The WATS Serving Office and the Serving Wire Center for the customer designated premises, or

(2) The Feature Group A or B entry switch and the Serving Wire Center for the customer designated premises.

6.7.13 **Shared Use**

Shared use occurs when Switched Access Service and Special Access Service are provided over the same analog or digital high capacity facility through a common interface. The regulations governing the provision of Shared Use Facilities are set forth in Section 7.4.8 following. Switched Access rates and charges as set forth in 6.8 following will apply for each channel of the high capacity facility that is used to provide Switched Access Service.

(C) Indicates Change

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.14 Interim 500 NXX in Multi-State LATAs

For customers ordering LATA-wide Interim 500 Access Service in LATAs that cross state boundaries but are served by the same screening office, the applicable nonrecurring charge for that screening office, as set forth in 6.8.4 following, will not be billed twice (i.e., once for each state); they will only be billed once for each NXX code activated or deactivated in that screening office.

6.7.15 Facility Hubs

A customer has the option of ordering DS1, DS3, or STS1 facilities to a facility Hub for channelizing to individual services requiring lower capacity facilities.

Different locations may be designated as Hubs for different facility capacities, e.g., multiplexing from digital to digital may occur at one location while multiplexing from digital to voice may occur at a different location. When ordering, the customer must specify the desired multiplexing Hub(s) selected from the National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4. That tariff identifies the type(s) of multiplexing functions which are available and the wire centers at which they are available.

Some of the types of multiplexing available include the following:

- from higher to lower bit rate
- from digital to voice frequency channels

End to end services may be provided on channels of these facilities to a Hub. The transmission performance for the end to end service provided between customer designated premises will be that of the lower capacity or bit rate. For example, when a DS1 facility is multiplexed to voice frequency channels, the transmission performance of the channelized services will be Voice Grade, not DS1.
ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.7 **Rate Regulations** (Cont'd)

6.7.15 **Facility Hubs** (Cont’d)

The Telephone company will commence billing the monthly rate for the facility to the Hub on the date specified by the customer on the service order. Individual services utilizing these facilities may be installed coincident with the installation of the facility to the Hub, or may be ordered and/or installed at a later date, at the option of the customer. The customer will be billed for a DS1, DS3, or STS1 Channel Termination, Channel Mileage (when applicable), and multiplexing at the time the facility is installed. Individual service rates (by service type) will apply for a Channel Termination and additional Channel Mileage (as required) for each channelized service. These will be billed to the customer as each individual service is installed.

Cascading multiplexing occurs when a DS1, DS3, or STS1 facility is de-multi-plexed to provide channels with a lesser capacity and one of the lesser capacity channels is further de-multiplexed. For example, a DS3 facility is de-multiplexed to twenty-eight DS1 facilities, and then one of the DS1 facilities is further de-multiplexed to individual Voice Grade channels.

When cascading multiplexing is performed, whether in the same or a different Hub, a charge for the additional multiplexing unit also applies. When cascading multiplexing is performed at different Hubbing locations, Channel Mileage charges also apply between the Hubs.

6.7.16 **Switched Access Zone Density Plan**

(A) The Switched Access Zone Density Plan is applicable only to DS1 and DS3 Entrance Facilities, Direct-Trunked Transport, Tandem Switched Transmission, Tandem Switching, DS1 to Voice Multiplexing and DS3 to DS1 Multiplexing as set forth in Section 6.1.2 preceding.

The Entrance Facility, Direct-Trunked Transport, Tandem Switched Transmission, Tandem Switching, DS1 to Voice Multiplexing and DS3 to DS1 Multiplexing rates applicable for DS1 and DS3 services subject to the Zone Density Plan are dependent upon the zone in which the Telephone Company serving area is located. Direct-Trunked Transport and Tandem Switched Transmission provided between wire centers in different zones will be assessed the rate for the higher zone. Specific Zone Density Charges are set forth in Sections 6.8 following.

<table>
<thead>
<tr>
<th>Zone 1 End Office</th>
<th>CLLI</th>
<th>Zone 2 End Office</th>
<th>CLLI</th>
<th>Zone 3 End Office</th>
<th>CLLI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Butler</td>
<td>BTLRPAXB</td>
<td>Carlisle</td>
<td>CRLSPAXC</td>
<td>Bedford</td>
<td>BDFRPAXB</td>
</tr>
<tr>
<td>Chambersburg</td>
<td>CBFRPAXC</td>
<td>Blue Ridge Summit</td>
<td>BLRSPAXB</td>
<td>Chambersburg</td>
<td>CHBGPAXC</td>
</tr>
<tr>
<td>Gettysburg</td>
<td>GTBGPAXG</td>
<td>All Other</td>
<td>All Other</td>
<td>Gettysburg</td>
<td>GTBGPAXG</td>
</tr>
</tbody>
</table>

(C) Indicates change.

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Effective: July 2, 2013
6. **Switched Access Service** (Cont’d)

6.7 **Rate Regulations** (Cont’d)

6.7.16 **Switched Access Zone Density Plan** (Cont’d)

**(B) Pricing Flexibility Zone**

The Telephone Company has received Phase II pricing flexibility under the FCC’s rules, Subpart H of Part 69, for the following exchange that falls into the following Metropolitan Statistical Area (MSA).

**York, Pennsylvania MSA**

<table>
<thead>
<tr>
<th>Zone 1</th>
<th>Zone 2</th>
<th>Zone 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>End Office</td>
<td>CLLI</td>
<td>End Office</td>
</tr>
<tr>
<td>None</td>
<td>None</td>
<td>Hanover</td>
</tr>
</tbody>
</table>

The rates and charges for switched access services provided in pricing flexibility MSAs are set forth in Section 6.8 following, along with non-flexibility service areas. When switched access service in a pricing flexibility exchange is provided under a zone density plan as set forth in 6.7.16 (A) preceding, channel mileage will be deemed to be offered in the highest priced zone.

The following examples depict typical switched dedicated point-to-point service provided with a pricing flexibility MSA, and between a pricing flexibility MSA and a non-flexibility service area.

**(A) Switched Access Service within a Pricing Flexibility MSA**

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**Issued:** May 16, 2013  
**Effective:** July 2, 2013
6. **Switched Access Service** (Cont'd)

6.7 **Rate Regulations** (Cont'd)

6.7.16 **Switched Access Zone Density Plan** (Cont'd)

**(B) Pricing Flexibility Zone** (Cont'd)

---

**Diagram:**

- **CCL:** CARRIER COMMON LINE
- **LS:** LOCAL SWITCHING
- **T-ST:** TANDEM-SWITCHED TRANSMISSION (FIXED & PER MILE)
- **T-SW:** TANDEM SWITCHING
- **DTT:** DIRECT-TRUNKED TRANSPORT
- **EF:** ENTRANCE FACILITY
- **CTP:** COMMON TRUNK PORT
- **CM:** COMMON TRANSPORT MULTIPLEXING
- **DTP:** DEDICATED TRUNK PORT
- **DM:** DEDICATED MULTIPLEXING

---

**Diagram:**

- **CCL:** CARRIER COMMON LINE
- **LS:** LOCAL SWITCHING
- **T-ST:** TANDEM-SWITCHED TRANSMISSION (FIXED & PER MILE)
- **T-SW:** TANDEM SWITCHING
- **DTT:** DIRECT-TRUNKED TRANSPORT
- **EF:** ENTRANCE FACILITY
- **CTP:** COMMON TRUNK PORT
- **CM:** COMMON TRANSPORT MULTIPLEXING
- **DTP:** DEDICATED TRUNK PORT
- **DM:** DEDICATED MULTIPLEXING

---

**Legend:**

- **MSA Boundary**
- **WIRE CENTER**
- **SERVING CUSTOMER**
- **CUSTOMER PREMISES**

---

**Issued:** May 16, 2013

**Effective:** July 2, 2013
6. **Switched Access Service** (Cont’d)

6.8 **Rates and Charges**

6.8.1 **Switched Transport**

(A) **Entrance Facilities**

(1) **Voice Grade**

- Per Point of Termination

<table>
<thead>
<tr>
<th>Monthly Rate</th>
<th>Nonrecurring Charge</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>(a) Two Wire</td>
<td></td>
</tr>
<tr>
<td>Hanover</td>
<td>$72.00</td>
</tr>
<tr>
<td></td>
<td>$150.00</td>
</tr>
<tr>
<td>All Other Exchanges</td>
<td>40.00</td>
</tr>
<tr>
<td></td>
<td>134.25</td>
</tr>
<tr>
<td>(b) Four Wire</td>
<td></td>
</tr>
<tr>
<td>Hanover</td>
<td>87.00</td>
</tr>
<tr>
<td></td>
<td>150.00</td>
</tr>
<tr>
<td>All Other Exchanges</td>
<td>55.00</td>
</tr>
<tr>
<td></td>
<td>134.25</td>
</tr>
</tbody>
</table>

(C) **Installation Per Line/Trunk**  **19.00**  (D)

(2) **DS1 Per DS1**

<table>
<thead>
<tr>
<th>Monthly Rates</th>
<th>Nonrecurring Installation Charge</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Within</td>
</tr>
<tr>
<td></td>
<td>CO</td>
</tr>
<tr>
<td>Zone 1</td>
<td>$104.00</td>
</tr>
<tr>
<td>Zone 2</td>
<td>109.50</td>
</tr>
<tr>
<td>Zone 3</td>
<td>120.00</td>
</tr>
<tr>
<td>Hanover</td>
<td>122.33</td>
</tr>
</tbody>
</table>

(3) **DS3 - Per Point of Termination**

<table>
<thead>
<tr>
<th>Monthly Rates</th>
<th>Nonrecurring Installation Rearrangement Charge</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Within</td>
</tr>
<tr>
<td></td>
<td>CO</td>
</tr>
<tr>
<td>Zone 1</td>
<td>$1,036.00</td>
</tr>
<tr>
<td>Zone 2</td>
<td>1,208.00</td>
</tr>
<tr>
<td>Zone 3</td>
<td>1,266.00</td>
</tr>
<tr>
<td>Hanover</td>
<td>1,194.67</td>
</tr>
</tbody>
</table>

(D) Indicates Decrease
ACCESS SERVICE

6. Switched Access Service (Cont’d)

6.8 Rates and Charges (Cont’d)

6.8.1 Switched Transport (Cont’d)

   (A) Entrance Facilities (Cont’d)

   (4) OptiPoint-3 With Telephone Company Provided Terminal Equipment

   (a) One Year Commitment Rates

      - Per Point of Termination

      Monthly Rates

      | CO | 0 – 3 | Over 3 |
      |----|------|--------|
      | All Zones | $2,363.00 | $3,250.00 | $5,344.00 |

      Nonrecurring Installation Charge

      | CO | 0 – 3 | Over 3 |
      |----|------|--------|
      | All Zones | $5,470.00 |

      (C)

   (b) Three Year Commitment Rates

      - Per Point of Termination

      Monthly Rates

      | CO | 0 – 3 | Over 3 |
      |----|------|--------|
      | All Zones | $1,890.00 | $2,600.00 | $4,275.00 |

      (C)

   (c) Five Year Commitment Rates

      - Per Point of Termination

      Monthly Rates

      | CO | 0 – 3 | Over 3 |
      |----|------|--------|
      | All Zones | $1,700.00 | $2,335.00 | $3,850.00 |

      (C)

(C) Indicates change.

Issued: May 16, 2013
Effective: July 2, 2013
6. **Switched Access Service** (Cont’d)

6.8 **Rates and Charges** (Cont’d)

6.8.1 **Switched Transport** (Cont’d)

(A) **Entrance Facilities** (Cont’d)

(5) **OptiPoint-3 Without Telephone Company Provided Terminal Equipment**

(a) One Year Commitment Rates

<table>
<thead>
<tr>
<th>Per Point of Termination</th>
<th>Nonrecurring Installation Charge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monthly Rates</td>
<td></td>
</tr>
<tr>
<td>Within 0 – 3 CO Miles</td>
<td>$1,400.00 $2,463.00 $4,538.00</td>
</tr>
<tr>
<td>Over 3 CO Miles</td>
<td>$4,210.00 (C)</td>
</tr>
</tbody>
</table>

(b) Three Year Commitment Rates

<table>
<thead>
<tr>
<th>Per Point of Termination</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Monthly Rates</td>
<td></td>
</tr>
<tr>
<td>Within 0 – 3 CO Miles</td>
<td>$1,120.00 $1,970.00 $3,630.00</td>
</tr>
<tr>
<td>Over 3 CO Miles</td>
<td>(C)</td>
</tr>
</tbody>
</table>

(c) Five Year Commitment Rates

<table>
<thead>
<tr>
<th>Per Point of Termination</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Monthly Rates</td>
<td></td>
</tr>
<tr>
<td>Within 0 – 3 CO Miles</td>
<td>$1,010.00 $1,770.00 $3,270.00</td>
</tr>
<tr>
<td>Over 3 CO Miles</td>
<td>(C)</td>
</tr>
</tbody>
</table>

(C) Indicates change.

Issued: May 16, 2013
Effective: July 2, 2013
6. **Switched Access Service** (Cont’d)

6.8 **Rates and Charges** (Cont’d)

6.8.1 **Switched Transport** (Cont’d)

(A) **Entrance Facilities** (Cont’d)

(6) **OptiPoint-12 With Telephone Company Provided Terminal Equipment**

(a) One Year Commitment Rates

- **Per Point of Termination**

<table>
<thead>
<tr>
<th>Monthly Rates</th>
<th>Nonrecurring Installation Charge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Within CO Miles</td>
<td>0 – 3 Over 3</td>
</tr>
<tr>
<td>All Zones</td>
<td>$2,938.00</td>
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</tbody>
</table>

(b) Three Year Commitment Rates

- **Per Point of Termination**

<table>
<thead>
<tr>
<th>Monthly Rates</th>
<th>Nonrecurring Installation Charge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Within CO Miles</td>
<td>0 – 3 Over 3</td>
</tr>
<tr>
<td>All Zones</td>
<td>$2,350.00</td>
</tr>
</tbody>
</table>

(c) Five Year Commitment Rates

- **Per Point of Termination**

<table>
<thead>
<tr>
<th>Monthly Rates</th>
<th>Nonrecurring Installation Charge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Within CO Miles</td>
<td>0 – 3 Over 3</td>
</tr>
<tr>
<td>All Zones</td>
<td>$2,100.00</td>
</tr>
</tbody>
</table>

(C) Indicates change.

Issued: May 16, 2013  Effective: July 2, 2013
### ACCESS SERVICE

6. **Switched Access Service** (Cont’d)

6.8 **Rates and Charges** (Cont’d)

6.8.1 **Switched Transport** (Cont’d)

(A) **Entrance Facilities** (Cont’d)

(7) **OptiPoint-12 Without Telephone Company Provided Terminal Equipment**

(a) One Year Commitment Rates
   - Per Point of Termination

<table>
<thead>
<tr>
<th>Monthly Rates</th>
<th>Nonrecurring Installation Charge</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Within 0 – 3</td>
</tr>
<tr>
<td>All Zones</td>
<td>$1,813.00</td>
</tr>
</tbody>
</table>

(b) Three Year Commitment Rates
   - Per Point of Termination

<table>
<thead>
<tr>
<th>Monthly Rates</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Within 0 – 3</td>
</tr>
<tr>
<td>All Zones</td>
<td>$1,450.00</td>
</tr>
</tbody>
</table>

(c) Five Year Commitment Rates
   - Per Point of Termination

<table>
<thead>
<tr>
<th>Monthly Rates</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Within 0 – 3</td>
</tr>
<tr>
<td>All Zones</td>
<td>$1,295.00</td>
</tr>
</tbody>
</table>

(C) Indicates change.

Issued: May 16, 2013  
Effective: July 2, 2013
6. **Switched Access Service** (Cont’d)

6.8 **Rates and Charges** (Cont’d)

6.8.1 **Switched Transport** (Cont’d)

(A) **Entrance Facilities** (Cont’d)

(8) **OptiPoint-48 With Telephone Company Provided Terminal Equipment**

<table>
<thead>
<tr>
<th></th>
<th>Within 0 – 3 CO Miles</th>
<th>Over 3 CO Miles</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Zones</td>
<td>$7,980.00</td>
<td>$13,900.00</td>
</tr>
<tr>
<td>(a) Three Year Commitment Rates</td>
<td>$9,870.00</td>
<td></td>
</tr>
<tr>
<td>- Per Point of Termination</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Monthly Rates</td>
<td></td>
<td></td>
</tr>
<tr>
<td>All Zones</td>
<td>$7,140.00</td>
<td>$13,200.00</td>
</tr>
<tr>
<td>(b) Five Year Commitment Rates</td>
<td>$8,925.00</td>
<td></td>
</tr>
<tr>
<td>- Per Point of Termination</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Monthly Rates</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(C) Indicates change.

Issued: May 16, 2013

Effective: July 2, 2013
6. **Switched Access Service** (Cont’d)

6.8 **Rates and Charges** (Cont’d)

6.8.1 **Switched Transport** (Cont’d)

(A) **Entrance Facilities** (Cont’d)

(9) **OptiPoint-48 Without** Telephone Company Provided Terminal Equipment

(a) Three Year Commitment Rates

- Per Point of Termination

<table>
<thead>
<tr>
<th>Monthly Rates</th>
<th>Within</th>
<th>0 – 3</th>
<th>Over 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>CO Miles</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>All Zones</td>
<td>$4,700.00</td>
<td>$6,800.00</td>
<td>$10,600.00</td>
</tr>
</tbody>
</table>

(b) Five Year Commitment Rates

- Per Point of Termination

<table>
<thead>
<tr>
<th>Monthly Rates</th>
<th>Within</th>
<th>0 – 3</th>
<th>Over 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>CO Miles</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>All Zones</td>
<td>$4,200.00</td>
<td>$6,300.00</td>
<td>$10,000.00</td>
</tr>
</tbody>
</table>

(10) **STS1 (51.84 Mbps)**

- Per Point of Termination

<table>
<thead>
<tr>
<th>Monthly Rates</th>
<th>Nonrecurring</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zone</td>
<td>Installation</td>
</tr>
<tr>
<td></td>
<td>Charge</td>
</tr>
<tr>
<td></td>
<td>Within</td>
</tr>
<tr>
<td>CO Miles</td>
<td></td>
</tr>
<tr>
<td>All</td>
<td>$1,800.00 (I)</td>
</tr>
</tbody>
</table>

(C) Indicates Change

Issued: May 16, 2013

Effective: July 2, 2013
### ACCESS SERVICE

6. **Switched Access Service** (Cont’d)

6.8  **Rates and Charges** (Cont’d)

6.8.1 **Switched Transport** (Cont’d)

<table>
<thead>
<tr>
<th></th>
<th>Monthly Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Termination</td>
</tr>
<tr>
<td></td>
<td>(Fixed)</td>
</tr>
</tbody>
</table>

(B) **Direct-Trunked Transport**

1. **Voice Grade – Per Channel**
   - Hanover: $45.00, $1.50 (I)
   - All Other Exchanges: $30.00, $0.81 (I)

2. **DS1 - Per DS1**
   - Zone 1: $65.00 (D), $2.00 (I)
   - Zone 2: $68.00 (D), $2.05 (I) (C)
   - Zone 3: $72.00 (I), $2.10 (I) (C)
   - Hanover: $135.00 (I), $11.25 (I) (C)

3. **DS3 - Per DS3**
   - Zone 1: $375.70, $65.20 (C)
   - Zone 2: $413.00 (I), $72.00 (I) (C)
   - Zone 3: $413.00 (I), $72.00 (I) (C)
   - Hanover: $585.00 (I), $130.00 (I) (C)

4. **OptiPoint-3**
   - (a) One Year Commitment
     - All Zones: $2,693.00, $219.00
   - (b) Three Year Commitment
     - All Zones: $2,154.00, $175.00 (C)
   - (c) Five Year Commitment
     - All Zones: $1,937.00, $160.00 (C)

5. **OptiPoint 12**
   - (a) One Year Commitment
     - All Zones: $7,500.00, $488.00
   - (b) Three Year Commitment
     - All Zones: $6,000.00, $390.00 (C)
   - (c) Five Year Commitment
     - All Zones: $5,850.00, $350.00 (C)

(D) Indicates decrease
(I) Indicates increase
(C) Indicates Change

Issued: May 16, 2013  
Effective: July 2, 2013
6. Switched Access Service (Cont’d)

6.8 Rates and Charges (Cont’d)

6.8.1 Switched Transport (Cont’d)

(B) Direct-Trunked Transport (Cont’d)

(6) OptiPoint-48

<table>
<thead>
<tr>
<th></th>
<th>Monthly Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Termination</td>
</tr>
<tr>
<td></td>
<td>(Fixed)</td>
</tr>
<tr>
<td>(a) Three Year Commitment</td>
<td>14,000.00</td>
</tr>
<tr>
<td>All Zones</td>
<td></td>
</tr>
<tr>
<td>(b) Five Year Commitment</td>
<td>12,600.00</td>
</tr>
<tr>
<td>All Zones</td>
<td></td>
</tr>
<tr>
<td>(7) STS1 (51.84 Mbps) – Per STS</td>
<td>587.00</td>
</tr>
<tr>
<td>All Zones</td>
<td></td>
</tr>
</tbody>
</table>

(C) Tandem-Switched Transport Per Access Minute

(1) Tandem Switched Transmission

<table>
<thead>
<tr>
<th></th>
<th>Termination</th>
<th>Facility</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(Fixed)</td>
<td>(Per Mile)</td>
</tr>
<tr>
<td>All Zones</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Originating</td>
<td>$0.000449</td>
<td>$0.000022</td>
</tr>
<tr>
<td>Terminating 3rd Party</td>
<td>0.000449</td>
<td>0.000022</td>
</tr>
<tr>
<td>Terminating End Office</td>
<td>0.000000</td>
<td>0.000000</td>
</tr>
</tbody>
</table>

(2) Tandem-Switching Rate Per Access Minute

<table>
<thead>
<tr>
<th></th>
<th>Rate Per Access Minute</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Zones</td>
<td></td>
</tr>
<tr>
<td>Originating</td>
<td>$0.001438</td>
</tr>
<tr>
<td>Terminating 3rd Party</td>
<td>0.001438</td>
</tr>
<tr>
<td>Terminating End Office</td>
<td>0.000000</td>
</tr>
</tbody>
</table>

(3) Common Transport Multiplexing

<table>
<thead>
<tr>
<th></th>
<th>Rate Per Access Minute</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Zones</td>
<td></td>
</tr>
<tr>
<td>Originating</td>
<td>$0.000469</td>
</tr>
<tr>
<td>Terminating 3rd Party</td>
<td>0.000469</td>
</tr>
<tr>
<td>Terminating End Office</td>
<td>0.000000</td>
</tr>
</tbody>
</table>

(C) Indicates Change
(D) Indicates Decrease

Issued: May 10, 2018 Effective: July 3, 2018
ACCESS SERVICE

6. Switched Access Service (Cont’d)

6.8 Rates and Charges (Cont’d)

6.8.1 Switched Transport (Cont’d)

(C) Tandem-Switched Transport (Cont’d)

(5) Dedicated Trunk Port

<table>
<thead>
<tr>
<th>Monthly Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hanover</td>
</tr>
<tr>
<td>(a) Per DS0</td>
</tr>
<tr>
<td>(b) Per DS1</td>
</tr>
</tbody>
</table>

All Other Exchanges
(a) Per DS0 3.83
(b) Per DS1 98.56

(6) Dedicated Multiplexing – DS3 to DS1

<table>
<thead>
<tr>
<th>Rate</th>
<th>Charge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zone 1</td>
<td></td>
</tr>
<tr>
<td>Zone 2</td>
<td></td>
</tr>
<tr>
<td>Zone 3</td>
<td></td>
</tr>
<tr>
<td>Hanover</td>
<td></td>
</tr>
</tbody>
</table>

(D) Optional Features

(1) Provision of Other than Telephone Company Selected Traffic Routing
(available with FGB and FGD)

<table>
<thead>
<tr>
<th>Monthly Rate</th>
<th>Nonrecurring Charge</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) Direct Trunking in lieu of Tandem Trunking</td>
<td>GAR</td>
</tr>
<tr>
<td>(b) Tandem Trunking in lieu of Direct Trunking</td>
<td>GAR</td>
</tr>
</tbody>
</table>

(2) Customer Specification of Feature Group Directionality (Available with FGB and FGD)

<table>
<thead>
<tr>
<th>Monthly Rate</th>
<th>Nonrecurring Charge</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) One-Way Operation in lieu of Two-Way Operation</td>
<td>GAR</td>
</tr>
<tr>
<td>(b) Two-Way Operation in lieu of Direct Trunking</td>
<td>GAR</td>
</tr>
</tbody>
</table>

(C) Indicates Change

Issued: July 1, 2013 Effective: July 2, 2013
6. **Switched Access Service** (Cont’d)

   6.8 **Rates and Charges** (Cont’d)

   Reserved for Future Use

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Material formerly on this page now appears on Page 215.

(C) Indicates Change

Issued: March 22, 2000

Effective: April 1, 2000
ACCESS SERVICE

6. Switched Access Service (Cont’d)

6.8 Rates and Charges (Cont’d)

6.8.1 Switched Transport (Cont’d)

Reserved for Future Use

(C) Indicates Change

Issued: May 16, 2013
Effective: July 2, 2013
6. **Switched Access Service** (Cont’d)

6.8 **Rates and Charges** (Cont’d)

6.8.1 **Switched Transport** (Cont’d)

(D) **Optional Features** (Cont’d)

(3) Customer Specification of Switched Transport Termination (Available with FGB with Termination (Available with FGB with Type B Transmission Performance)

<table>
<thead>
<tr>
<th>Monthly Rate</th>
<th>Nonrecurring Charge</th>
</tr>
</thead>
<tbody>
<tr>
<td>GAR</td>
<td>GAR</td>
</tr>
</tbody>
</table>

- Four-Wire Termination in lieu of Two-Way Wire Termination

(4) **Multiplexing**

(a) **DS1 to Voice Grade**

<table>
<thead>
<tr>
<th>Zone</th>
<th>Monthly Rate</th>
<th>Nonrecurring Charge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zone 1</td>
<td>$205.50</td>
<td>(D) $142.00</td>
</tr>
<tr>
<td>Zone 2</td>
<td>210.00</td>
<td>(D) 142.00</td>
</tr>
<tr>
<td>Zone 3</td>
<td>215.00</td>
<td>(I) 142.00</td>
</tr>
<tr>
<td>Hanover</td>
<td>350.00</td>
<td>(I) 142.00</td>
</tr>
</tbody>
</table>

(b) **DS3 to DS1**

<table>
<thead>
<tr>
<th>Zone</th>
<th>Monthly Rate</th>
<th>Nonrecurring Charge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zone 1</td>
<td>$340.00</td>
<td>(D) $85.00</td>
</tr>
<tr>
<td>Zone 2</td>
<td>412.00</td>
<td>(I) 85.00</td>
</tr>
<tr>
<td>Zone 3</td>
<td>419.00</td>
<td>(I) 85.00</td>
</tr>
<tr>
<td>Hanover</td>
<td>570.00</td>
<td>(I) 85.00</td>
</tr>
</tbody>
</table>

(c) **STS1 to DS1**

<table>
<thead>
<tr>
<th>All Zones</th>
<th>Monthly Rate</th>
<th>Nonrecurring Charge</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>545.00</td>
<td>(I) 250.00</td>
</tr>
</tbody>
</table>

(D) Indicates Decrease  
(I) Indicates Increase  
(C) Indicates Change

Issued: May 16, 2013  
Effective: July 2, 2013
6. Switched Access Service (Cont’d)

6.8 Rates and Charges (Cont’d)

6.8.1 Switched Transport (Cont’d)

(D) Optional Features (Cont’d)

(5) OptiPoint Configuration Node

<table>
<thead>
<tr>
<th>Option</th>
<th>One Year</th>
<th>Three Year</th>
<th>Five Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) OC3 – per arrangement</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hanover</td>
<td>$219.00</td>
<td>$180.00</td>
<td>$155.00</td>
</tr>
<tr>
<td>All Other Exchanges</td>
<td>219.00</td>
<td>175.00</td>
<td>158.00</td>
</tr>
<tr>
<td>(b) OC12 - per arrangement</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>All Zones</td>
<td>1,000.00</td>
<td>800.00</td>
<td>700.00</td>
</tr>
<tr>
<td>(c) OC48 – per arrangement</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>All Zones</td>
<td>930.00</td>
<td>940.00</td>
<td>820.00</td>
</tr>
</tbody>
</table>

(C) Indicates Change

(6) OptiPoint-3 Configuration Card

<table>
<thead>
<tr>
<th>Level</th>
<th>DS1</th>
<th>DS3</th>
<th>OC3</th>
<th>STS1</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Level</td>
<td>Level</td>
<td>Concatenated</td>
<td>Level</td>
</tr>
<tr>
<td>(a) One Year Commitment Rates All Zones</td>
<td>$25.00</td>
<td>$75.00</td>
<td>$431.00</td>
<td>$81.00</td>
</tr>
<tr>
<td>(b) Three Year Commitment Rates All Zones</td>
<td>15.00</td>
<td>60.00</td>
<td>325.00</td>
<td>65.00</td>
</tr>
<tr>
<td>(c) Five Year Commitment Rates All Zones</td>
<td>13.00</td>
<td>50.00</td>
<td>300.00</td>
<td>60.00</td>
</tr>
</tbody>
</table>

Issued: May 11, 2016  Effective: July 1, 2016
ACCESS SERVICE

6. **Switched Access Service** (Cont’d)

6.8 **Rates and Charges** (Cont’d)

6.8.1 **Switched Transport** (Cont’d)

(D) **Optional Features** (Cont’d)

<table>
<thead>
<tr>
<th>(7) OptiPoint-12 Configuration Card – All Zones</th>
<th>Monthly Rate - Per Card</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) One Year Commitment</td>
<td></td>
</tr>
<tr>
<td>- DS1 Level</td>
<td>$ 25.00</td>
</tr>
<tr>
<td>- DS3 Level</td>
<td>75.00</td>
</tr>
<tr>
<td>- OC3 Level</td>
<td>188.00</td>
</tr>
<tr>
<td>- OC3 Concatenated</td>
<td>275.00</td>
</tr>
<tr>
<td>- OC12 Concatenated</td>
<td>3,750.00</td>
</tr>
<tr>
<td>- STS1 Level</td>
<td>81.00</td>
</tr>
<tr>
<td>(b) Three Year Commitment</td>
<td></td>
</tr>
<tr>
<td>- DS1 Level</td>
<td>$ 18.00</td>
</tr>
<tr>
<td>- DS3 Level</td>
<td>60.00</td>
</tr>
<tr>
<td>- OC3 Level</td>
<td>150.00</td>
</tr>
<tr>
<td>- OC3 Concatenated</td>
<td>220.00</td>
</tr>
<tr>
<td>- OC12 Concatenated</td>
<td>3,239.00</td>
</tr>
<tr>
<td>- STS1 Level</td>
<td>65.00</td>
</tr>
</tbody>
</table>
ACCESS SERVICE

6. **Switched Access Service** (Cont’d)

6.8 **Rates and Charges** (Cont’d)

6.8.1 **Switched Transport** (Cont’d)

(D) **Optional Features** (Cont’d)

(7) **OptiPoint-12 Configuration Card** - All Zones (Cont’d)

<table>
<thead>
<tr>
<th>Monthly Rate - Per Card</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
<tr>
<td>(c) <strong>Five Year Commitment</strong></td>
</tr>
<tr>
<td>- DS1 Level            15.00</td>
</tr>
<tr>
<td>- DS3 Level            50.00</td>
</tr>
<tr>
<td>- OC3 Level            125.00</td>
</tr>
<tr>
<td>- OC3 Concatenated    185.00</td>
</tr>
<tr>
<td>- OC12 Concatenated   2,699.00</td>
</tr>
<tr>
<td>- STS1 Level           60.00</td>
</tr>
</tbody>
</table>

Issued: July 1, 2013 Effective: July 2, 2013
### ACCESS SERVICE

6. **Switched Access Service** (Cont’d)

6.8 **Rates and Charges** (Cont’d)

6.8.1 **Switched Transport** (Cont’d)

(D) **Optional Features** (Cont’d)

{(8) **OptiPoint-48 Configuration Card – All Zones** (C)

<table>
<thead>
<tr>
<th>Monthly Rate - Per Card</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(a) Three Year Commitment</td>
</tr>
<tr>
<td></td>
<td>- DS3 Level $ 150.00</td>
</tr>
<tr>
<td></td>
<td>- OC3 Level 400.00</td>
</tr>
<tr>
<td></td>
<td>- OC12 Level 600.00</td>
</tr>
<tr>
<td></td>
<td>- OC3 Concatenated 460.00</td>
</tr>
<tr>
<td></td>
<td>- OC12 Concatenated 690.00</td>
</tr>
<tr>
<td></td>
<td>- STS1 Level 160.00</td>
</tr>
<tr>
<td></td>
<td>(b) Five Year Commitment</td>
</tr>
<tr>
<td></td>
<td>- DS3 Level 120.00</td>
</tr>
<tr>
<td></td>
<td>- OC3 Level 300.00</td>
</tr>
<tr>
<td></td>
<td>- OC12 Level 475.00</td>
</tr>
<tr>
<td></td>
<td>- OC3 Concatenated 345.00</td>
</tr>
<tr>
<td></td>
<td>- OC12 Concatenated 550.00</td>
</tr>
<tr>
<td></td>
<td>- STS1 Level 135.00</td>
</tr>
</tbody>
</table>

(C) Indicates Change

Issued: July 1, 2013   Effective: July 2, 2013
ACCESS SERVICE

6. **Switched Access Service** (Cont’d)

6.8 Rates and Charges (Cont’d)

6.8.1 Switched Transport (Cont’d)

(D) Optional Features (Cont’d)

(9) **OptiPoint-3, 12 and 48 Service Upgrade**
- Per DS1, DS3, or STS1 Upgraded

Nonrecurring Charge

$1,000.00

(10) **OptiPoint Reconfiguration Charge**
- Per DS3 Equivalent

750.00

(11) **Optipoint Regeneration Charge – All Zones**

<table>
<thead>
<tr>
<th>Monthly Rate</th>
<th>1 Year Commitment</th>
<th>3 Year Commitment</th>
<th>5 Year Commitment</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>OC3</td>
<td>OC3</td>
<td>OC3</td>
</tr>
<tr>
<td>OC3</td>
<td>$1,875.00</td>
<td>$1,500.00</td>
<td>$1,300.00</td>
</tr>
<tr>
<td>OC12</td>
<td>3,250.00</td>
<td>2,600.00</td>
<td>2,300.00</td>
</tr>
<tr>
<td>OC48</td>
<td>4,800.00</td>
<td>4,600.00</td>
<td>4,400.00</td>
</tr>
</tbody>
</table>

(E) **Network Blocking Charge**
Applies to FGD.

Rate Per Call Blocked

- Per Call **GAR**

(C) Indicates change

Issued: May 16, 2014                               Effective: July 1, 2014
## ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.8 **Rates and Charges** (Cont'd)

6.8.2 **Local Switching**

<table>
<thead>
<tr>
<th>Rate</th>
<th>Per Access Minute</th>
</tr>
</thead>
<tbody>
<tr>
<td>(A)</td>
<td></td>
</tr>
<tr>
<td>LS1 and LS2 -FGA, FGB, FGC and FGD</td>
<td></td>
</tr>
<tr>
<td>Originating</td>
<td><strong>0.003892</strong></td>
</tr>
<tr>
<td>Terminating</td>
<td><strong>0.000000</strong></td>
</tr>
</tbody>
</table>

(D) Indicates decrease in rate

(B) **End Office to Tandem Rearrangement Charge** *

A nonrecurring charge as specified below will apply when a customer requests end office or tandem rearrangement of FGD trunks as set forth in 6.7.1(C)(3) preceding.

<table>
<thead>
<tr>
<th>Nonrecurring Charge</th>
<th>Per 24 channels Converted or Fraction Thereof</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>$33.00</strong></td>
</tr>
</tbody>
</table>

* This flat rated charge was calculated based upon a 50/50 split between originating and terminating. The FCC in their FCC 11-161 ICC Transformation Order in Section 51.907(d)(1) allowed Price Cap Carriers to use an equal split to divide the charge between originating and terminating elements. When the terminating portion of the rate is reduced and then combined with the originating portion of the rate, a single flat rate is generated for billing purposes.
ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.2 Local Switching

(C) Carrier Selection Parameter Charge *

A nonrecurring charge will apply when a customer requests the Carrier Selection Parameter optional feature described in 6.3 EE preceding. This charge does not apply if the feature is installed coincident with the initial installation of a service.

Nonrecurring Charge

Per End Office Equipped $10.90 (D)

(D) Dedicated Trunk Port **

Hanover (York MSA 9260)
(a) Per DS0 $ 3.60 (D)
(b) Per DS1 80.00 (D)

All Other Exchanges
(a) Per DS0 $ 1.92 (D)
(b) Per DS1 49.28 (D)

(E) Common Trunk Port – All Zones

<table>
<thead>
<tr>
<th>Originating</th>
<th>Per Access Minute</th>
</tr>
</thead>
<tbody>
<tr>
<td>$0.000490</td>
<td></td>
</tr>
<tr>
<td>Terminating</td>
<td>0.000000</td>
</tr>
</tbody>
</table>

* This flat rated charge was calculated based upon a 50/50 split between originating and terminating. The FCC in their FCC 11-161 ICC Transformation Order in Section 51.907(d)(1) allowed Price Cap Carriers to use an equal split to divide the charge between originating and terminating elements. When the terminating portion of the rate is reduced and then combined with the originating portion of the rate, a single flat rate is generated for billing purposes.

** The End Office Dedicated Trunk Port rate was calculated based upon a 50/50 split between originating and terminating traffic using this flat-rated port. The FCC in their FCC 11-161 ICC Transformation order in section 51.907(d)(1) allowed Price Cap Carriers to use an equal split to divide the charge between originating and terminating elements. When the terminating portion of the rate is reduced and then combined with the originating portion of the rate, a single flat rate is generated for billing purposes. The originating rate for Hanover is $3.60 for DS0 and $80.00 for DS1. For all other exchanges, the originating rate is $1.92 for DS0 and $49.28 for DS1.

(D) Indicates decrease in rate.
(C) Indicates change

Issued: May 11, 2016
Effective: July 1, 2016
6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.2 Local Switching (Cont'd)

Reserved for Future Use (C)
6. Switched Access Service (Cont'd)

6.6.8 Rates and Charges (Cont'd)

6.8.2 Local Switching (Cont'd)

Reserved for Future Use

(C) Indicates Change

Issued: March 22, 2000
Effective: April 1, 2000
6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.2 Local Switching (Cont'd)

Reserved for Future Use

(C) Indicates Change

Issued: March 22, 2000

Effective: April 1, 2000
ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.2 Local Switching (Cont'd)

Reserved for Future Use

(C) Indicates Change

Issued: March 22, 2000
Effective: April 1, 2000
## ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.8 **Rates and Charges** (Cont'd)

6.8.3 **Toll Free Code (TFC) Access Service**

<table>
<thead>
<tr>
<th>Rate</th>
<th>Description</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>(A)</td>
<td>TFC Access Service Data Base Query</td>
<td>$0.010288</td>
</tr>
<tr>
<td>(B)</td>
<td>TFC Data Base Optional Service Features*</td>
<td>$0.001344</td>
</tr>
</tbody>
</table>

*When a combination of one or more TFC Data Base Optional Service Features is used, only one charge will apply.*

Material on this page formerly appeared on Page 223.1.
Certain material formerly on this page now appears on Page 217.

(C) Indicates Change

Issued: March 22, 2000
Effective: April 1, 2000
6. **Switched Access Service** (Cont'd)

6.8 **Rates and Charges** (Cont'd)

6.8.4 **Interim 500 Access Service**

(A) Assembly of Route Pattern - 1 + Dialing

- Per end office switch (including end office collocated with access tandem)

  Nonrecurring Charge

  $31.70

(B) 500 NXX Code Activation or Deactivation - 1 + Dialing

- Per NXX Code added or deleted per end office

  Nonrecurring Charge

  $10.60

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Material on this page formerly appeared on Page 224.1.

(C) Indicates Change

Issued: March 22, 2000  Effective: April 1, 2000
ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.8 **Rates and Charges** (Cont'd)

6.8.4 **Interim 500 Access Service** (Cont'd)

- **Assembly of Route Pattern - 0 + Dialing**
  - Per end office switch (including end office collocated with access tandem.)
  
  Nonrecurring Charge

  $31.70

- **500 NXX Code Activation or Deactivation - 0 + Dialing**
  - Per NXX Code added or deleted per end office

  Nonrecurring Charge

  $10.60

(E) **Pass Through Charge**

  Rate Per Inquiry

  - Per Query Translation ICB

6.8.5 **Optical Service Charge**

- Per Node

  (C) Nonrecurring Charge

  - OC3 $7,500.00
  - OC12 $8,500.00
  - OC46.8 $12,500.00

(C) Indicates Change

Issued: August 23, 2001
Effective: August 24, 2001
7. **Special Access Service**

7.1 **General**

Special Access Service provides a transmission path to connect customer designated premises*, either directly or through a Telephone Company Hub where bridging or multiplexing functions are performed or to connect a customer designated premises and a WATS Serving Office. Special Access Service includes all exchange access not utilizing Telephone Company end office switches.

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

7.1.1 **Channel Types**

There are four types of channels used to provide Special Access Services. Each type has its own characteristics. All are subdivided by one or more of the following:

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

Customers can order a basic channel and select, from a list of available transmission parameters, interface combinations, and optional features to design a channel that meets the customer's specific communications requirements.

For purposes of ordering channels, each has been identified as a type of Special Access Service. However, such identification is not intended to limit a customer's use of the channel or to imply that the channel is limited to a particular use.

---

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

(C) Indicates Change

Issued: July 20, 2000  Effective: July 21, 2000
ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.1 Channel Types (Cont'd)

Following is a brief description of each type of channel:

Voice Grade - a channel for the transmission of analog signals within an approximate bandwidth of 300-3000 Hz.

Digital Data - a channel for the digital transmission of synchronous serial data at rates of 2.4, 4.8, 9.6, 19.2, 56.0 or 64.0 kbps.

High Capacity - a channel for the transmission of isochronous serial digital data at rates of 1.544 or 44.736 Mbps.

Detailed descriptions of each of the channel types are provided in 7.2 following.

(C) Indicates Change

Issued: July 18, 2002
Effective: July 19, 2002
7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.1 Channel Types (Cont'd)

The customer also has the option of ordering digital high capacity facilities (i.e., 1.544 Mbps and 44.736 Mbps) to a Telephone Company Hub for multiplexing to individual channels of a lower capacity or bandwidth. Descriptions of the types of multiplexing available at the Hubs, as well as the number of individual channels which may be derived from each type of facility are set forth in 7.2 following. Additionally, the customer may specify optional features for the individual channels derived from the facility to further tailor the channel to meet specific communications requirements. Descriptions of the optional features and functions available are also set forth in 7.2 following.

For example, a customer may order a 1.544 Mbps facility from a customer designated premises to a Telephone Company Hub. The 1.544 Mbps channels may be further multiplexed at the same or a different Hub to Voice Grade channels or may be extended to other customer designated premises. Optional features may be added to either the 1.544 Mbps or the Voice Grade Channels.

7.1.2 Rate Categories

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

- Channel Terminations (described in 7.1.2(A) following)
- Channel Mileage (described in 7.1.2(C) following)
- Optional Features and Functions (described in 7.1.2(E) following)

Issued: April 27, 1994  Effective: July 8, 1994
ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.2 Rate Categories (Cont'd)

(A) Channel Termination

The Channel Termination rate category provides for the communications path between a customer designated premises and the serving wire center or WATS Serving Office of those premises. Included as part of the Channel Termination is a standard channel interface arrangement which defines the technical characteristics associated with the type of facilities to which the access service is to be connected at the Point of Termination (POT) and the type of signaling capability, if any. The signaling capability itself is provided as a part of this rate category. One Channel Termination charge applies per customer designated premises at which the channel is terminated. Channel Termination charges for DS3 High Capacity Service may vary based on distance, as set forth in 7.5.9(A) following. Special Access Service used in connection with Switched Access Service is provided as set forth in Section 6.1.1.

(B) Reserved For Future Use

(C) Channel Mileage

The Channel Mileage rate category provides for the end office equipment and the transmission channel between the serving wire centers associated with two customer designated premises, between a serving wire center associated with a customer designated premises and a Telephone Company Hub, between two Telephone Company Hubs or between a WATS Serving Office and a Customer serving wire center when the two are not co-located. Channel Mileage rates are made up of the Channel Mileage Facility (Per Mile) rate and the Channel Mileage Termination (Fixed) rate. Channel mileage charges are set forth in 7.5 following.

(1) Channel Mileage Facility (Per Mile)

The Channel Mileage Facility rate recovers the cost for the transmission path which extends between the Telephone Company serving wire centers and/or hub(s) and includes primarily outside plant used to provide the facility.

(C) Indicates Change

Certain material previously appearing on this page now appears on Page 229.
7. Special Access Service (Cont’d)

7.1 General (Cont’d)

7.1.2 Rate Categories (Cont’d)

(C) Channel Mileage (Cont’d)

(2) Channel Mileage Termination (Fixed)

The Channel Mileage Termination rate recovers the cost for end office equipment associated with terminating the facility (i.e., basic circuit equipment and terminations at serving wire centers and hubs). The Telephone Company applies a 50% billing percentage to the channel mileage fixed rate on jointly owned circuits, and applies 100% on wholly owned circuits. When the Channel Mileage Facility is zero (i.e., collocated serving wire centers), neither the Channel Mileage Facility rate or the Channel Mileage Termination rate will apply.

(D) Reserved For Future Use

(E) Optional Features and Functions

Optional Features and Functions rate category provides for optional features and functions which may be added to a Special Access Service to improve its quality or utility to meet specific communications requirements. These are not necessarily identifiable with specific equipment, but rather represent the end result in terms of performance characteristics which may be obtained. These characteristics may be obtained by using various combinations of equipment. Although the equipment necessary to perform a specified function may be installed at various locations along the path of the service, they will be charged for as a single rate element.
7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.2 Rate Categories (Cont'd)

(E) Optional Features and Functions (Cont’d)

Examples of Optional Features and Functions that are available include, but are not limited to, the following:

- Signaling Capability
- Hubbing Functions
- Conditioning
- Transfer Arrangements

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

Descriptions for each of the available Optional Features and Functions are set forth in 7.2 following.
ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.3 Service Configurations

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

(A) Two-Point Service

A two-point service connects two customer designated premises, either on a directly connected basis or through a Hub where multiplexing functions are performed.

Applicable rate elements are:

- Channel Terminations
- Channel Mileage (as applicable)
- Optional Features and Functions (when applicable)

In addition, a Special Access Surcharge as set forth in 7.4.2 following may be applicable.

The following diagram depicts a two-point Voice Grade service connecting two customer designated premises located 15 miles apart. The service is provided with C-Type Conditioning.

(C) Indicates Change

Issued: March 22, 2000 Effective: April 1, 2000
ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.3 Service Configurations (Cont'd)

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

Applicable rate elements are:

- Channel Terminations (2 applicable)
- Channel Mileage (as applicable)
- C-Type Conditioning Optional Feature

(B) Multipoint Service

Multipoint service connects three or more customer designated premises through a Telephone Company Hub. There is no limitation on the number of mid-links available with multipoint service. However, when more than three mid-links are provided in tandem, the quality of the service may be degraded. A mid-link is a channel between Hubs (i.e., bridging locations). Only certain types of Special Access Service are provided as multipoint service. These are so designated in the Service Descriptions set forth in 7.2 following.

Multipoint service utilizing a customized technical specifications package as set forth in 7.2 following will be provided when technically possible. If the Telephone Company determines that the requested characteristics for a multipoint service are not compatible, the customer will be advised and given the opportunity to change the order.

When ordering, the customer will specify the desired bridging Hub(s) selected from the National Exchange Carrier Association Tariff, Inc. F.C.C. No. 4. This tariff identifies the type(s) of bridging functions which are available and the serving wire centers at which they are available.
ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.3 Service Configurations (Cont'd)

(B) Multipoint Service (Cont'd)

Applicable Rate Elements are:

- Channel Terminations (one per customer designated premises)
- Channel Mileage (as applicable between each designated customer premises and the Hub and between Hubs)
- Bridging
- Additional Optional Features (when applicable)

In addition, the Special Access Surcharge as set forth in 7.4.2 following may be applicable.

Example: Voice Grade multipoint service connecting four customer premises via two customer specified bridging hubs.

(C) Indicates Change

Issued: March 22, 2000 Effective: April 1, 2000
ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.3 Service Configurations (Cont'd)

(B) Multipoint Service (Cont'd)

Applicable rate elements are:

- Channel Terminations (one per customer designated premises)
- Channel Mileage (as applicable between each designated customer premises and the Hub, and between Hubs)
- Bridging (6 applicable, i.e., each bridge port)

7.1.4 Alternate Use

Alternate Use occurs when a service is arranged by the Telephone Company so that the customer can select different types of transmission at different times. A customer may use a service in any privately beneficial manner. However, where technical or engineering changes are required to effectuate an alternate use, the Telephone Company will make such special arrangements available on an individual case basis.

The arrangement required to transfer the service from one operation to the other (i.e., the transfer relay and control leads) will be rated and provided on an individual case basis and filed in Section 12, Specialized Service or Arrangements. The customer will pay the stated tariff rates for the Access Service rate elements for the service ordered (i.e., Channel Terminations, Channel Mileage as applicable and Optional Features if any).

7.1.5 Special Facilities Routing

A customer may request that the facilities used to provide Special Access Service be specially routed. The regulations, rates and charges for Special Facilities Routing (i.e., Avoidance, Diversity and Cable-Only) are set forth in Section 11 following.

(C) Indicates Change
7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.6 Design Layout Report

At the request of the customer, the Telephone Company will provide to the customer the make-up of the facilities and services provided under this tariff as Special Access Service to aid the customer in designing its overall service. This information will be provided in the form of a Design Layout Report. The Design Layout Report will be provided to the customer at no charge, and will be reissued or updated whenever these facilities are materially changed.

7.1.7 Acceptance Testing

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

(A) For Voice Grade analog services, acceptance tests will include tests for loss 3-tone slope, DC continuity, operational signaling, C-notched noise and C-message noise when these parameters are applicable and specified in the order for service. Additionally, for Voice Grade services, a balance (improved loss) test will be made if the customer has ordered the improved loss optional feature.

(B) All other Special Access Services will be tested to the performance parameters specified for the individual services.

In addition to the above tests, Additional Cooperative Acceptance Testing for Voice Grade Service to test other parameters, as described in 13.3.5(B) following, is available at the customer's request. All tests will be made available to the customer upon request.

(C) Indicates Change

Issued: July 20, 2000
Effective: July 21, 2000
7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.8 Ordering Options and Conditions

Special Access Service is ordered under the Access Order provisions set forth in Section 5 preceding. Also included in that section are other charges which may be associated with ordering Special Access Service (e.g., Service Date Change Charges, Cancellation Charges, etc.).

7.2 Service Descriptions

For the purposes of ordering, there are three categories of Special Access Service. These are:

Voice Grade (VG)  
Digital Data (DA)  
High Capacity (HC)

Each service consists of a basic channel to which a technical specifications package (customized or predefined), channel interface(s) and, when desired, optional features and functions are added to construct the service desired by the customer. Each of the components of the service is described in this section.

Customized technical specifications packages will be provided where technically feasible. If the Telephone Company determines that the requested parameter specifications are not compatible, the customer will be advised and given the opportunity to change the order.

When a customized channel is ordered the customer will be notified whether Additional Engineering Charges apply. In such cases, the customer will be given an estimate of the hours to be billed before any further action is taken on the order.

(C) Indicates Change

Issued: July 18, 2002  
Effective: July 19, 2002
7. **Special Access Service (Cont'd)**

7.2 **Service Descriptions (Cont'd)**

The channel description specifies the characteristics of the basic channel and indicates whether the channel is provided between customer designated premises or is provided between a customer designated premises and a Telephone Company Hub where bridging or multiplexing functions are performed.

Information pertaining to the technical specifications packages indicates the transmission parameters that are available with each package. This information is displayed in a matrix with the transmission parameters listed down the left side and the packages listed across the top. Each package is identified by a code, e.g., VGC. The first two letters of the code indicate the category of Special Access Service to which the parameters are applicable. These two letter codes are shown above in parentheses following the category of Special Access Service. The letter "C" following the two letter code indicates the technical specifications package for a customized service. A numeric or alpha-numeric designation following the two letter code indicates the specific predefined package. For a customized service, the customer may select any parameters available with that category of service as long as the parameters are compatible. When appropriate, the Technical Reference which contains detailed specifications for the parameters is shown following the matrix.

Channel interfaces at each point of termination on a two-point service may be symmetrical or asymmetrical. On a multipoint service they may also be symmetrical or asymmetrical. However, communications can only be provided between points of termination with compatible channel interfaces. Only certain channel interfaces are compatible. These are set forth in 7.3.5 following in a combination format.

Only certain channel interface combinations are available with the predefined technical specifications packages. These are delineated in the Technical References set forth at the end of the 7.2. When a customized channel is requested, all channel interface combinations available with the specified type of service are available with the customized channel.
ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

The optional features and functions available with each type of Special Access Service are described in this section. The optional features and functions information also indicates with which technical specifications packages they are available. Such information is displayed in a matrix with the optional feature or function listed down the left side and the technical specifications package listed across the top.

The Telephone Company will maintain existing transmission specifications on services installed prior to the effective date of this tariff, except that the existing services with performance specifications exceeding the standard listed in this provision will be maintained at the performance levels specified in this tariff. All services installed after the effective date of this tariff will conform to the transmission specification standards contained in this tariff or in the following Technical Reference Publications for each category of service:

- Voice Grade  TR-NWT-000335
- Digital Data  TR-NWT-000341
- High Capacity GR-54 and GR-342

7.2.1 Reserved For Future Use

(C) Indicates Change

Issued: July 18, 2002  Effective: July 19, 2002
7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.1 Reserved For Future Use

Issued: April 27, 1994

Effective: July 8, 1994
7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.1 Reserved For Future Use

7.2.2 Reserved For Future Use

(C) Indicates Change

Issued: July 20, 2000

Effective: July 21, 2000
7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Voice Grade Service

(A) Basic Channel Description

A Voice Grade channel is a channel that provides voice frequency transmission capability in the nominal frequency range of 300 to 3000 Hz and may be terminated two-wire or four-wire. Voice Grade channels are provided between customer designated premises or between a customer designated premises and a Telephone Company Hub.
7. **Special Access Service** (Cont'd)

7.2 **Service Descriptions** (Cont'd)

7.2.3 **Voice Grade Service** (Cont'd)

(B) **Technical Specifications Packages**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Package VG-</th>
</tr>
</thead>
<tbody>
<tr>
<td>C*</td>
<td>1 2 3 4 5 6 7 8 9 10 11 12</td>
</tr>
<tr>
<td>Attenuation</td>
<td>X X X X X X X X X X X X X</td>
</tr>
<tr>
<td>Distortion</td>
<td>X X X X X X X X X X X X X</td>
</tr>
<tr>
<td>C-Message Noise</td>
<td>X X X X X X X X X X X X X</td>
</tr>
<tr>
<td>Echo Control</td>
<td>X X X X X X X X X X X X X</td>
</tr>
<tr>
<td>Envelope Delay</td>
<td>X X X X X X X X X X X X X</td>
</tr>
<tr>
<td>Distortion</td>
<td>X X X X X X X X X X X X X</td>
</tr>
<tr>
<td>Frequency Shift</td>
<td>X X X X X X X X X X X X X</td>
</tr>
<tr>
<td>Impulse Noise</td>
<td>X X X X X X X X X X X X X</td>
</tr>
<tr>
<td>Intermodulation</td>
<td>X X X X X X X X X X X X X</td>
</tr>
<tr>
<td>Distortion</td>
<td>X X X X X X X X X X X X X</td>
</tr>
<tr>
<td>Loss Deviation</td>
<td>X X X X X X X X X X X X X</td>
</tr>
<tr>
<td>Phase Hits, Gain</td>
<td>X X X X X X X X X X X X X</td>
</tr>
<tr>
<td>Hits, and</td>
<td>X X X X X X X X X X X X X</td>
</tr>
<tr>
<td>Dropouts</td>
<td>X X X X X X X X X X X X X</td>
</tr>
<tr>
<td>Phase Jitter</td>
<td>X X X X X X X X X X X X X</td>
</tr>
<tr>
<td>Signal-to-C</td>
<td>X X X X X X X X X X X X X</td>
</tr>
<tr>
<td>Message Noise</td>
<td>X X X X X X X X X X X X X</td>
</tr>
<tr>
<td>Signal-to-C</td>
<td>X X X X X X X X X X X X X</td>
</tr>
<tr>
<td>Notch Noise</td>
<td>X X X X X X X X X X X X X</td>
</tr>
</tbody>
</table>

* The desired parameters are selected by the customer from the list of available parameters.
7. **Special Access Service** (Cont'd)

7.2 **Service Descriptions** (Cont'd)

7.2.3 **Voice Grade Service** (Cont'd)

(B) **Technical Specifications Packages** (Cont'd)

The technical specifications for these parameters (except for dropouts, gain hits, and phase hits) are delineated in Technical Reference Publication TR-NWT-000335 and associated Addendum. The technical specifications for dropouts, phase hits, and gain hits are delineated in Technical Reference Publication TR-NWT-000335.

(C) **Channel Interfaces**

The following channel interfaces for Voice Grade service do not require signaling capability: AH, DA, DB, DD, DE, DS, NO and TF.

The following channel interfaces for Voice Grade service require signaling capability: AB, AC, CT, DX, DY, EA, EB, EC, EX, GO, GS, LA, LB, LC, LO, LR, LS, RV and SF.

Compatible channel interfaces are set forth in 7.3.5(C) following.

(D) **Optional Features and Functions**

(1) **Central Office Bridging Capability**

(a) Voice Bridging (two-wire or four-wire)

(b) Data Bridging (two-wire or four-wire)

(c) Telephoto Bridging (two-wire or four-wire)

(C) Indicates Change

Issued: July 18, 2002

Effective: July 19, 2002
7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Voice Grade Service (Cont'd)

(D) Optional Features and Functions (Cont'd)

(2) Reserved For Future Use

(C)

(3) Conditioning

Conditioning provides more specific transmission characteristics for Voice Grade services. C-Type conditioning controls attenuation distortion and envelope delay distortion. Sealing Current helps maintain continuity on dry metallic loops.

For two-point services, the parameters apply to each service. For multipoint services, the parameters apply to each mid link or end link. C-Type conditioning and Data Capability may be combined on the same service.

(a) C-Type Conditioning

C-Type Conditioning is provided for the additional control of attenuation distortion and envelope delay distortion on data services. The attenuation distortion and envelope delay distortion specifications for C-Type Conditioning are:

<table>
<thead>
<tr>
<th>Frequency Range (Hz)</th>
<th>Variation (db)</th>
</tr>
</thead>
<tbody>
<tr>
<td>400-2800</td>
<td>-1.0 to +2.0</td>
</tr>
<tr>
<td>300-3000</td>
<td>-1.0 to +3.0</td>
</tr>
<tr>
<td>3000-3200</td>
<td>-2.0 to +6.0</td>
</tr>
</tbody>
</table>

(C) Indicates Change

Issued: July 20, 2000
Effective: July 21, 2000
ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Voice Grade Service (Cont'd)

(D) Optional Features and Functions (Cont'd)

(3) Conditioning (Cont'd)

(a) C-Type Conditioning (Cont'd)

<table>
<thead>
<tr>
<th>Envelope Delay</th>
<th>Distortion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Variation</td>
<td>(micro-</td>
</tr>
<tr>
<td>Frequency</td>
<td>seconds)</td>
</tr>
<tr>
<td>Range (Hz)</td>
<td></td>
</tr>
<tr>
<td>1000-2600</td>
<td>100</td>
</tr>
<tr>
<td>800-2600</td>
<td>200</td>
</tr>
<tr>
<td>600-2600</td>
<td>300</td>
</tr>
<tr>
<td>500-2800</td>
<td>600</td>
</tr>
<tr>
<td>500-3000</td>
<td>3000</td>
</tr>
</tbody>
</table>

(b) Reserved For Future Use

(c) Sealing Current Conditioning

Sealing Current Conditioning is provided to help maintain continuity on dry metallic loops. It is usually associated with four-wire DA or NO type channel interfaces.

(4) Customer Specified Premises Receive Level

This option allows the customer to specify the receive level at the Point of Termination. This level must be within a specific range on effective four-wire transmission. The ranges are delineated in Technical Reference Publication TR-NWT-000335.

(5) Reserved For Future Use

(C) Indicates Change

Issued: August 23, 2001  Effective: August 24, 2001
7. **Special Access Service (Cont'd)**

7.2 **Service Descriptions (Cont'd)**

7.2.3 **Voice Grade Service (Cont'd)**

(D) **Optional Features and Functions (Cont'd)**

(6) **Improved Return Loss**

(a) On Effective Four-Wire Transmission at Four-Wire Point of Termination (applicable to each two-wire port): Provides for a fixed 600 ohm impedance, variable level range and simplex reversal. Telephone Company equipment is required at the customer's premises where this option is ordered. The Improved Return Loss parameters are delineated in Technical Reference Publication TR-NWT-000335.

(b) On Effective Two-Wire Transmission at Two-Wire Point of Termination: Provides for more stringent Echo Control Specifications. In order for this option to be applicable, the transmission path must be four-wire at one POT and two-wire at the other POT. Placement of Telephone Company equipment may be required at the customer's premises with the two-wire POT. The Improved Return Loss parameters are delineated in Technical Reference Publication TR-NWT-000335.

(7) **Data Capability**

Data Capability provides transmission characteristics suitable for data communications. Specifically, Data Capability provides for the control of Signal to C-Notched Noise Ratio and intermodulation distortion. It is available for two-point services or multipoint services.

The Signal to C-Notched Noise Ratio and intermodulation distortion parameters for Data Capability are:

- Signal to C-Notched Noise Ratio is equal to or greater than 32dB

(C) Indicates Change

Issued: August 23, 2001 Effective: August 24, 2001
7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Voice Grade Service (Cont'd)

(D) Optional Features and Functions (Cont'd)

(7) Data Capability (Cont'd)

- Intermodulation distortion:
  
  - Signal to second order modulation products (R2) is equal to or greater than 38dB
  
  - Signal to third order modulation products (R3) is equal to or greater than 42dB

When a service equipped with Data Capability is used for voice communications, the quality of the voice transmission may not be satisfactory.

(8) Telephoto Capability

Telephoto Capability provides transmission characteristics suitable for telephotographic communications. Specifically, Telephoto Capability is provided for the control of attenuation distortion and envelope delay distortion on telephotographic services. The attenuation distortion and envelope delay distortion parameters for Telephoto Capability are:

<table>
<thead>
<tr>
<th>Frequency Range (Hz)</th>
<th>Variation (dB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>500-3000</td>
<td>-0.5 to +1.5</td>
</tr>
<tr>
<td>300-3200</td>
<td>-1.0 to +2.5</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Frequency Range (Hz)</th>
<th>Variation (mcs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000-2600</td>
<td>110</td>
</tr>
<tr>
<td>800-2800</td>
<td>180</td>
</tr>
</tbody>
</table>

Issued: September 9, 1985  Effective: August 9, 1985
7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Voice Grade Service (Cont'd)

(D) Optional Features and Functions (Cont'd)

(9) Signaling Capability

Signaling Capability provides for the process by which one customer premises alerts another customer premises on the same service with which it wishes to communicate.

(10) Reserved For Future Use

(11) Reserved For Future Use

(C) Indicates Change

Issued: July 20, 2000 Effective: July 21, 2000
7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Voice Grade Service (Cont'd)

(D) Optional Features and Functions (Cont'd)

The following table shows the technical specifications packages with which the optional features and functions are available.

<table>
<thead>
<tr>
<th>Available with Technical Specifications Package VG-</th>
</tr>
</thead>
<tbody>
<tr>
<td>C*</td>
</tr>
<tr>
<td>----</td>
</tr>
<tr>
<td>C-Type Conditioning Central Office Bridging Capability</td>
</tr>
<tr>
<td>Customer Specified Premises Receive Level</td>
</tr>
<tr>
<td>Data Capability Improved Return Loss: For Effective Four-Wire Transmission</td>
</tr>
<tr>
<td>For Effective Two-Wire Transmission</td>
</tr>
<tr>
<td>Sealing Current Conditioning</td>
</tr>
<tr>
<td>Signaling Capability</td>
</tr>
<tr>
<td>Telephoto Capability</td>
</tr>
</tbody>
</table>

(C) Indicates Change

Issued: March 14, 2001 Effective: March 15, 2001
ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.5 Reserved For Future Use

(C) Indicates Change

Issued: July 18, 2002          Effective: July 19, 2002
ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.5 Reserved For Future Use (Continued) (C)

(C) Indicates Change

Issued: July 18, 2002 Effective: July 19, 2002
ACCESS SERVICE

7. **Special Access Service** (Cont'd)

7.2 **Service Descriptions** (Cont'd)

7.2.6 **Reserved For Future Use**

(C) Indicates Change

Issued: July 18, 2002  
Effective: July 19, 2002
7. **Special Access Service** (Cont'd)

7.2 **Service Descriptions** (Cont'd)

7.2.6 Reserved For Future Use

(C)

(D)

Issued: April 27, 1994

Effective: July 8, 1994
7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.6 Reserved For Future Use (C)

(D)
7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.7 Reserved For Future Use  

(C) Indicates Change

Issued: July 20, 2000  
Effective: July 21, 2000
7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.7 Reserved For Future Use (Cont'd)  (C)

(C) Indicates Change

Issued: July 20, 2000

Effective: July 21, 2000
7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.8 Digital Data Service

(A) Basic Channel Description

A Digital Data channel is a channel for duplex four-wire transmission of synchronous serial data at the rate of 2.4, 4.8, 9.6, 19.2, 56, or 64 kbps. The actual bit rate is a function of the channel interface selected by the customer. The channel provides a synchronous service with timing provided by the Telephone Company through the Telephone Company's facilities to the customer in the received bit stream. Digital Data channels are only available via Telephone Company designated hubs and provided between customer designated premises or between a customer designated premises and a Telephone Company Hub.

The customer may provide the Channel Service Unit-type equipment or other Network Channel Terminating Equipment associated with the Digital Data channel at the customer premises.

(B) Technical Specifications Packages

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Package DA-</th>
</tr>
</thead>
<tbody>
<tr>
<td>Error-Free Seconds</td>
<td>1 2 3 4</td>
</tr>
<tr>
<td></td>
<td>X X X X</td>
</tr>
</tbody>
</table>

The Telephone Company will provide a channel capable of meeting a monthly average performance equal to or greater than 99.875% error-free seconds while the channel is in service, if it is measured through a CSU equivalent which is designed, manufactured, and maintained to conform with the specifications contained in Technical Reference Publication MDP-326-726.

(C) Indicates Change

Issued: August 23, 2001
Effective: August 24, 2001
7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.8 Digital Data Service (Cont'd)

(B) Technical Specifications Packages (Cont'd)

Voltages that are compatible with Digital Data Service are delineated in Technical Reference Publication TR-NWT-000341.

(C) Channel Interfaces

The following channel interfaces (CIs) define the bit rates that are available for a Digital Data channel:

<table>
<thead>
<tr>
<th>CI</th>
<th>Bit Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>DU-24</td>
<td>2.4 kbps</td>
</tr>
<tr>
<td>DU-48</td>
<td>4.8 kbps</td>
</tr>
<tr>
<td>DU-96</td>
<td>9.6 kbps</td>
</tr>
<tr>
<td>DU-19</td>
<td>19.2 kbps</td>
</tr>
<tr>
<td>DU-56</td>
<td>56.0 kbps</td>
</tr>
<tr>
<td>DU-64</td>
<td>64.0 kbps</td>
</tr>
</tbody>
</table>

Compatible channel interfaces are set forth in 7.3.5(H) following.

(D) Optional Features and Functions

(1) Central Office Bridging Capability

(2) Reserved For Future Use

(C) Indicates Change

Issued: August 23, 2001 Effective: August 24, 2001
7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.8 Digital Data Service (Cont'd)

(D) Optional Features and Functions (Cont'd)

The following table shows the technical specifications packages with which the optional features and functions are available.

<table>
<thead>
<tr>
<th>Available with Technical Specifications Package DA-</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Central Office Bridging Capability</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

7.2.9 High Capacity Service

(A) Basic Channel Description

A High Capacity channel is a channel for the transmission of 1.544 or 44.736 Mbps isochronous serial data. The actual bit rate and framing format is a function of the channel interface selected by the customer. High Capacity channels are provided between customer designated premises or between a customer designated premises and a Telephone Company Hub.

The customer may provide the Network Channel Terminating Equipment associated with the High Capacity channel at the customer's premises. The interim program for interconnection of such equipment is set forth in Technical Reference Publication PUB AS No. 1, Issue II.

The Channel termination rate element for DS3 services may vary based on distance. The mileage used to determine the monthly rate for channel terminations located outside Telephone Company Central Office is the airline distance between the customer's designated premises and the Telephone Company serving wire center. The mileage measurement is determined by utilizing exchange maps and mileage tables located in designated Telephone company offices for such purposes.
ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 High Capacity Service (Cont'd)

(B) Technical Specifications Packages

<table>
<thead>
<tr>
<th>Parameters</th>
<th>0</th>
<th>1</th>
<th>1C</th>
<th>2</th>
<th>3</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Error-Free Seconds</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

A channel with technical specifications package HC1 will be capable of an error-free second performance of 98.75% over a continuous 24 hour period as measured at the 1.544 Mbps rate through a CSU equivalent which is designed, manufactured, and maintained to conform with the specifications contained in Technical Reference Publication GR-54.

(C) Channel Interfaces

The following channel interfaces (CIs) define the bit rates that are available for a High Capacity channel:

<table>
<thead>
<tr>
<th>CI</th>
<th>Bit Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>DS-15</td>
<td>1.544 Mbps (DS1)</td>
</tr>
<tr>
<td>DS-44</td>
<td>44.736 Mbps (DS3)</td>
</tr>
</tbody>
</table>

Compatible channel interfaces are set forth in 7.5.3(I) following.

(C) Indicates Change

Issued: August 23, 2001
Effective: August 24, 2001
7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 High Capacity Service (Cont'd)

(D) Optional Features and Functions

1. Automatic Loop Transfer

The Automatic Loop Transfer provides protection on a 1xN basis against failure of the facilities between a customer designated premises and the wire center serving that premises. Protection is furnished through the use of a switching arrangement that automatically switches to a spare channel when a working channel fails. The spare channel is not included as a part of the option. This option requires compatible equipment at both the serving wire center and the customer premises. The customer is responsible for providing the equipment at its premises. Equipment at the customer premises will be provided under tariff only if it existed in the Telephone Company inventory as of November 18, 1983.

2. Clear Channel Capability

Clear Channel Capability (CCC) is an arrangement that alters a DS1/1.544 Mbps signal with unconstrained information bits to meet pulse density requirements outlined in TR-NPL-000054 and TA-INS-000342. This will allow a customer to transport an all zero octet over a DS1/1.544 Mbps High Capacity channel providing an available combined maximum 1.536 Mbps data rate. This arrangement requires the customer signal at the channel interface to conform a Bipolar with 8 Zero Substitution (B8ZS) line code as described in TR-NPL-000054 and TA-INS-000342.

CC is provided on DS1/1.544 Mbps High Capacity channels between two customer designated premises and is subject to the availability of facilities. This optional feature may be ordered at the same time the DS1/1.544 Mbps High Capacity channel is ordered, or it may be ordered as an additional feature of an existing channel.
ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 High Capacity Service (Cont'd)

(D) Optional Features and Functions (Cont'd)

(3) Central Office Multiplexing

(a) DS3 to DS1

An arrangement that converts a 44.736 Mbps channel to 28 DS1 channels using digital time division multiplexing.

(b) DS1 to Voice

An arrangement that converts a 1.544 Mbps channel to 24 channels for use with Voice Grade Services. A channel of this DS1 to the Hub can also be used for a Digital Data Service.

(c) DS1 to DS0

An arrangement that converts a 1.544 Mbps channel to 24 64.0 kbps channels utilizing digital time division multiplexing.

Certain material appearing on this page previously appeared on Second Revised Page 260.

(C) Indicates Change

Issued: April 20, 2001

Effective: May 21, 2001
ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 High Capacity Service (Cont'd)

(D) Optional Features and Functions (Cont'd)

The following table shows the technical specifications packages with which the optional features and functions are available.

<table>
<thead>
<tr>
<th>Package HC-</th>
<th>0</th>
<th>1</th>
<th>1C</th>
<th>2</th>
<th>3</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Automatic Loop Transfer</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(C)</td>
</tr>
<tr>
<td>Central Office Multiplexing:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DS3 to DS1</td>
<td></td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DS1 to Voice</td>
<td></td>
<td></td>
<td>X</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DS1 to DS0</td>
<td></td>
<td></td>
<td></td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Clear Channel Capability</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td>(C)</td>
</tr>
</tbody>
</table>

(C) Indicates Change

Issued: April 20, 2001  Effective: May 21, 2001
7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.10 Special Access Service Utilized for Connection with Switched Access Service

(A) Basic Service Description

A special access service utilized for connection with a switched access service implemented as a voice grade dedicated communications path between the customer's end user and a WATS Serving Office (WSO) equipped with Feature Groups A, B or D service, together, form the functional parts that are the major building blocks of the WATS* service. Switched access optional arrangements are available as set forth in Section 6.3. Both of these functional elements are necessary to provide service from the customer's end user to the customer's designated premises.

A WATS special access circuit (WSAC) may be provided as an originating only, terminating only, or two way (originating and terminating) service, at the option of the customer. If a WSO is not capable of implementing a state-mandated restriction, the WSAC will be extended free of charge to the nearest WSO capable of performing the necessary function.

* Use of the Terms “WATS” and/or “WATS like” is descriptive only and is not intended to restrict provision of a WSAC to a specific type of service.

(C) Indicates Change
ACCESS SERVICE

7. Special Access Service (Cont’d)

7.2 Service Descriptions (Cont’d)

7.2.10 Special Access Service Utilized for Connection with Switched Access Service (Cont’d)

(B) WATS Special Access Circuit (WSAC)

A WATS Special Access Circuit (WSAC) is comprised of a Channel Termination between the customer’s end user serving wire center and the customer’s end user premises as specified in Section 7.1.2(A). If the WSO and the end user’s serving wire center are not the same, Channel Mileage as specified in Section 7.1.2(C) preceding is applicable from the end user’s serving wire center to the WSO.

The transmission path is offered as either effective two-wire effective four-wire, or a high capacity access connection. This service is provided with rotary dial or dual tone multi-frequency address signaling, and with either loop start or ground start signaling. Additionally, other optional features such as improved return loss can be provided.
7. **Special Access Service (Cont'd)**

7.3 **Channel Interface and Network Channel Codes**

Network Channel Codes are comprised of four characters. The first and second characters describe the technical specifications package within the service type. The third and fourth characters describe and specify options associated with the service. The Telephone Company abides by nationally accepted standards in its use of Network Channel Codes that are available from the Telephone Company upon request.

Channel Interface Codes describe the electrical characteristics of the interface at the customer's premises. Compatible Channel Interface codes for the requested service must be specified by the customer when ordering the services. Channel Interface codes for each category of Special Access Service can be found in the Technical Reference Publications set forth in 7.2 preceding.

### 7.3.1 Glossary of Channel Interface Codes and Options

<table>
<thead>
<tr>
<th>Code</th>
<th>Option</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>AB</td>
<td>-</td>
<td>accepts 20 Hz ringing signal at customer's point of termination</td>
</tr>
<tr>
<td>AC</td>
<td>-</td>
<td>accepts 20 Hz ringing signal at customer's end user's point of termination</td>
</tr>
<tr>
<td>AH</td>
<td>-</td>
<td>analog high capacity interface</td>
</tr>
<tr>
<td></td>
<td>- B</td>
<td>60 kHz to 108 kHz (12 channels)</td>
</tr>
<tr>
<td></td>
<td>- C</td>
<td>312 kHz to 552 kHz (60 channels)</td>
</tr>
<tr>
<td></td>
<td>- D</td>
<td>564 kHz to 3084 kHz (600 channels)</td>
</tr>
<tr>
<td>CT</td>
<td>-</td>
<td>Centrex Tie Trunk Termination</td>
</tr>
<tr>
<td>DA</td>
<td>-</td>
<td>data stream in VF frequency band at customer's end user's point of termination</td>
</tr>
<tr>
<td>DB</td>
<td>-</td>
<td>data stream in VF frequency band at customer's point of termination</td>
</tr>
</tbody>
</table>

(C) Indicates Change

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7. **Special Access Service** (Cont'd)

7.3 **Channel Interface and Network Channel Codes** (Cont'd)

7.3.1 **Glossary of Channel Interface Codes and Options** (Cont'd)

<table>
<thead>
<tr>
<th>Code</th>
<th>Option</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>DS</td>
<td>-</td>
<td>digital hierarchy interface</td>
</tr>
<tr>
<td></td>
<td>15</td>
<td>1.544 Mbps (DS1) format per PUB 41451 plus D4</td>
</tr>
<tr>
<td></td>
<td>15B</td>
<td>1.544 Mbps (DS1) format plus D4 with B8ZS clear channel capability</td>
</tr>
<tr>
<td></td>
<td>15E</td>
<td>8-bit PCM encoded in one 64 kbps of the DS1 signal</td>
</tr>
<tr>
<td></td>
<td>15F</td>
<td>8-bit PCM encoded in two 64 kbps of the DS1 signal</td>
</tr>
<tr>
<td></td>
<td>15G</td>
<td>8-bit PCM encoded in three 64 kbps of the DS1 signal</td>
</tr>
<tr>
<td></td>
<td>15H</td>
<td>14/11-bit PCM encoded in six 64 kbps of the signal</td>
</tr>
<tr>
<td>DS1</td>
<td>-</td>
<td>digital hierarchy interface</td>
</tr>
<tr>
<td></td>
<td>15J</td>
<td>1.544 Mbps format per PUB 41451</td>
</tr>
<tr>
<td></td>
<td>15K</td>
<td>1.544 Mbps format per PUB 41451 plus extended framing format</td>
</tr>
<tr>
<td></td>
<td>15L</td>
<td>1.544 Mbps (DS1) with SF signaling</td>
</tr>
<tr>
<td></td>
<td>15S</td>
<td>1.544 Mbps using B8ZS line code and extended framing format</td>
</tr>
<tr>
<td></td>
<td>44</td>
<td>44.736 Mbps (DS3)</td>
</tr>
<tr>
<td></td>
<td>44L</td>
<td>44.736 Mbps (DS3) with SF signaling</td>
</tr>
</tbody>
</table>

(C) Indicates Change

Issued: April 20, 2001  Effective: May 21, 2001
### 7. Special Access Service (Cont'd)

#### 7.3 Channel Interface and Network Channel Codes (Cont'd)

##### 7.3.1 Glossary of Channel Interface Codes and Options (Cont'd)

<table>
<thead>
<tr>
<th>Code</th>
<th>Option</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>DU</td>
<td>19</td>
<td>19.2 kbps</td>
</tr>
<tr>
<td></td>
<td>24</td>
<td>2.4 kbps</td>
</tr>
<tr>
<td></td>
<td>48</td>
<td>4.8 kbps</td>
</tr>
<tr>
<td></td>
<td>56</td>
<td>56.0 kbps</td>
</tr>
<tr>
<td></td>
<td>64</td>
<td>64.0 kbps</td>
</tr>
<tr>
<td></td>
<td>96</td>
<td>9.6 kbps</td>
</tr>
<tr>
<td></td>
<td>A</td>
<td>1.544 Mbps format per PUB 41451</td>
</tr>
<tr>
<td></td>
<td>B</td>
<td>1.544 Mbps format per PUB 41451 plus D4</td>
</tr>
<tr>
<td></td>
<td>C</td>
<td>1.544 Mbps format per PUB 41451 plus extended framing format</td>
</tr>
<tr>
<td></td>
<td>D</td>
<td>1.544 Mbps format plus D4 with B8ZS clear channel capability</td>
</tr>
<tr>
<td></td>
<td>S</td>
<td>1.544 Mbps using B8ZS line code and extended framing format</td>
</tr>
<tr>
<td>DX</td>
<td></td>
<td>duplex signaling interface at customer's point of termination</td>
</tr>
<tr>
<td>DY</td>
<td></td>
<td>duplex signaling interface at customer's end user's point of termination</td>
</tr>
<tr>
<td>EA</td>
<td>E</td>
<td>Type I E&amp;M Lead Signaling. Customer at POT or customer's end user at POT originates on E Lead.</td>
</tr>
<tr>
<td>EA</td>
<td>M</td>
<td>Type I E&amp;M Lead Signaling. Customer at POT or customer's end user at POT originates on M Lead.</td>
</tr>
<tr>
<td>EB</td>
<td>E</td>
<td>Type II E&amp;M Lead Signaling. Customer at POT or customer's end user at POT originates on E Lead.</td>
</tr>
<tr>
<td>EB</td>
<td>M</td>
<td>Type II E&amp;M Lead Signaling. Customer at POT or customer's end user at POT originates on M Lead.</td>
</tr>
<tr>
<td>EC</td>
<td></td>
<td>Type III E&amp;M signaling at customer POT tandem channel unit signaling for loop start or ground start and customer supplies open end (dial tone, etc.) functions</td>
</tr>
<tr>
<td>EX</td>
<td>A</td>
<td>tandem channel unit signaling for loop start or ground start and customer supplies closed end (dial pulsing, etc.) functions</td>
</tr>
<tr>
<td>EX</td>
<td>B</td>
<td>tandem channel unit signaling for loop start or ground start and customer supplies closed end (dial pulsing, etc.) functions</td>
</tr>
</tbody>
</table>

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#### 7. Special Access Service (Cont'd)

##### 7.3 Channel Interface and Network Channel Codes (Cont'd)

#### 7.3.1 Glossary of Channel Interface Codes and Options (Cont'd)

<table>
<thead>
<tr>
<th>Code</th>
<th>Option</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>GO</td>
<td>-</td>
<td>ground start loop signaling - open end function by customer or customer's end user</td>
</tr>
<tr>
<td>GS</td>
<td>-</td>
<td>ground start loop signaling - closed end function by customer or customer's end user</td>
</tr>
<tr>
<td>IA</td>
<td>-</td>
<td>E.I.A. (25 pin RS-232)</td>
</tr>
<tr>
<td>LA</td>
<td>-</td>
<td>end user loop start loop signaling - Type A OPS registered port open end</td>
</tr>
<tr>
<td>LB</td>
<td>-</td>
<td>end user loop start loop signaling - Type B OPS registered port open end</td>
</tr>
<tr>
<td>LC</td>
<td>-</td>
<td>end user loop start loop signaling - Type C OPS registered port open end</td>
</tr>
<tr>
<td>LO</td>
<td>-</td>
<td>loop start loop signaling - open end function by customer or customer's end user</td>
</tr>
<tr>
<td>LR</td>
<td>-</td>
<td>20 Hz automatic ringdown interface at customer with Telephone Company provided PLAR</td>
</tr>
<tr>
<td>LS</td>
<td>-</td>
<td>loop start loop signaling - closed end function by customer or customer's end user</td>
</tr>
<tr>
<td>NO</td>
<td>-</td>
<td>no signaling interface, transmission only</td>
</tr>
<tr>
<td></td>
<td>-</td>
<td>program transmission - no dc signaling</td>
</tr>
<tr>
<td></td>
<td>- 1</td>
<td>nominal frequency from 50 to 15000 Hz</td>
</tr>
<tr>
<td></td>
<td>- 3</td>
<td>nominal frequency from 200 to 3500 Hz</td>
</tr>
<tr>
<td></td>
<td>- 5</td>
<td>nominal frequency from 100 to 5000 Hz</td>
</tr>
<tr>
<td></td>
<td>- 8</td>
<td>nominal frequency from 50 to 8000 Hz</td>
</tr>
<tr>
<td>RV</td>
<td>- 0</td>
<td>reverse battery signaling, one way operation, originate by customer</td>
</tr>
<tr>
<td></td>
<td>- T</td>
<td>reverse battery signaling, one way operation, terminate function by customer or customer's end user</td>
</tr>
<tr>
<td>SF</td>
<td>-</td>
<td>single frequency signaling with VF band at either customer POT or customer's end user POT</td>
</tr>
<tr>
<td>TF</td>
<td>-</td>
<td>telephotograph interface</td>
</tr>
<tr>
<td>TT</td>
<td>-</td>
<td>teletypewriter interface at either customer POT or customer's end user POT</td>
</tr>
</tbody>
</table>

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

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7. **Special Access Service (Cont'd)**

7.3 **Channel Interface and Network Channel Codes (Cont'd)**

7.3.1 **Glossary of Channel Interface Codes and Options (Cont'd)**

<table>
<thead>
<tr>
<th>Code</th>
<th>Option</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>TT</td>
<td>-</td>
<td>220.0 milliamperes</td>
</tr>
<tr>
<td></td>
<td>-</td>
<td>3.0 milliamperes</td>
</tr>
<tr>
<td></td>
<td>-</td>
<td>62.5 milliamperes</td>
</tr>
</tbody>
</table>

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7. Special Access Service (Cont'd)

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

7.3.1 Glossary of Channel Interface Codes and Options (Cont'd)

<table>
<thead>
<tr>
<th>Code</th>
<th>Option</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>WC</td>
<td>- 40</td>
<td>40.8 kbps, synchronous</td>
</tr>
<tr>
<td></td>
<td>- 50</td>
<td>for 12-wire interface: 50.0 kbps, synchronous</td>
</tr>
<tr>
<td></td>
<td></td>
<td>for 10-wire interface: up to 50.0 kbps, asynchronous</td>
</tr>
<tr>
<td>WD</td>
<td>- 1</td>
<td>wideband bandwidth interface at customer POT</td>
</tr>
<tr>
<td></td>
<td>- 2</td>
<td>nominal passband from 28000 to 44000 Hz</td>
</tr>
<tr>
<td></td>
<td>- 3</td>
<td>nominal passband from 29000 to 44000 Hz</td>
</tr>
</tbody>
</table>

7.3.2 Impedance

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

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

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

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

7.3.3 Digital Hierarchy Channel Interface Codes (4DS)

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

<table>
<thead>
<tr>
<th>Interface Code and Speed Option</th>
<th>Nominal Bit Rate (Mbps)</th>
<th>Digital Hierarchy Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>4DS8-15</td>
<td>1.544</td>
<td>DS1</td>
</tr>
<tr>
<td>4DS6-44</td>
<td>44.736</td>
<td>DS3</td>
</tr>
</tbody>
</table>

7.3.4 Service Designator/Network Channel Code Conversion Table

The purpose of this table is to show the relationship between the service designator codes (e.g., VGC, DA1, etc.) and the network channel codes that are used for various administrative purposes:

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7.3 **Channel Interface and Network Channel Codes (Cont'd)**

7.3.4 **Service Designator/Network Channel Code Conversion Table (Cont'd)**

<table>
<thead>
<tr>
<th>Service Designation</th>
<th>Network Channel Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voice</td>
<td></td>
</tr>
<tr>
<td>VGC</td>
<td>UQ</td>
</tr>
<tr>
<td>VG1</td>
<td>LB</td>
</tr>
<tr>
<td>VG2</td>
<td>LC</td>
</tr>
<tr>
<td>VG3</td>
<td>LD</td>
</tr>
<tr>
<td>VG4</td>
<td>LE</td>
</tr>
<tr>
<td>VG5</td>
<td>LF</td>
</tr>
<tr>
<td>VG6</td>
<td>LG</td>
</tr>
<tr>
<td>VG7</td>
<td>LH</td>
</tr>
<tr>
<td>VG8</td>
<td>LJ</td>
</tr>
<tr>
<td>VG9</td>
<td>LK</td>
</tr>
<tr>
<td>VG10</td>
<td>LN</td>
</tr>
<tr>
<td>VG11</td>
<td>LP</td>
</tr>
<tr>
<td>VG12</td>
<td>LR</td>
</tr>
</tbody>
</table>

(C) Indicates Change

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7. Special Access Service (Cont'd)

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

7.3.4 Service Designator/Network Channel Code Conversion Table (Cont'd)

<table>
<thead>
<tr>
<th>Service Designation</th>
<th>Network Channel Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>DA1</td>
<td>XA</td>
</tr>
<tr>
<td>DA2</td>
<td>XB</td>
</tr>
<tr>
<td>DA3</td>
<td>XG</td>
</tr>
<tr>
<td>DA4</td>
<td>XH</td>
</tr>
<tr>
<td>HCO</td>
<td>HS</td>
</tr>
<tr>
<td>HC1</td>
<td>HC</td>
</tr>
<tr>
<td>HC3</td>
<td>HF</td>
</tr>
</tbody>
</table>

7.3.5 Compatible Channel Interfaces

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

(A) Reserved For Future Use

(C) Indicates Change

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7.3 **Channel Interface and Network Channel Codes** (Cont'd)

7.3.5 **Compatible Channel Interfaces** (Cont'd)

   (B) **Reserved For Future Use**

   (C) Indicates Change

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7. Special Access Service (Cont'd)

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

7.3.5 Compatible Channel Interfaces (Cont'd)

(C) Voice Grade

<table>
<thead>
<tr>
<th>Compatible Cls</th>
<th>Compatible Cls</th>
<th>Compatible Cls</th>
</tr>
</thead>
<tbody>
<tr>
<td>4AB2 4AB2</td>
<td>4AH5-B 6DA2</td>
<td>4AH6-D 2DY2</td>
</tr>
<tr>
<td>4AB2 4AC2</td>
<td>4AH6-C 2DY2</td>
<td>4AH6-D 2DY3</td>
</tr>
<tr>
<td>4AB3 4AC2</td>
<td>4AH5-B 6DA2</td>
<td>4AH6-C 2DY3</td>
</tr>
<tr>
<td>4AB2 2AC2</td>
<td>4AH5-B 2DA2</td>
<td>4AH6-C 2DY3</td>
</tr>
<tr>
<td>4AB3 2AC2</td>
<td>4AH6-C 2DY2</td>
<td>4AH6-D 2DY3</td>
</tr>
<tr>
<td>2AB2 2AC2</td>
<td>4AH6-D 4DE2</td>
<td>4AH6-C 2DY3</td>
</tr>
<tr>
<td>2AB3 2AC2</td>
<td>4AH6-C 2DY2</td>
<td>4AH6-D 2DY3</td>
</tr>
<tr>
<td>4AB2 4SF2</td>
<td>4AH5-B 4DE2</td>
<td>4AH6-C 2DY3</td>
</tr>
<tr>
<td>4AB3 4SF2</td>
<td>4AH6-D 4DE2</td>
<td>4AH6-C 2DY3</td>
</tr>
<tr>
<td>4AC2 4AC2</td>
<td>4AH6-C 2DE2</td>
<td>4AH6-B 2DY3</td>
</tr>
<tr>
<td>4AC2 2AC2</td>
<td>4AH5-B 2DE2</td>
<td>4AH6-B 2DY3</td>
</tr>
<tr>
<td>4AH6-D 4AC2</td>
<td>4AH5-B 2DY3</td>
<td>4AH6-B 2DY3</td>
</tr>
<tr>
<td>4AH6-D 2AC2</td>
<td>4AH6-D 4DX3</td>
<td>4AH6-C 2DX3</td>
</tr>
<tr>
<td>4AH6-C 4AC2</td>
<td>4AH5-B 2DX3</td>
<td>4AH6-D 2DX3</td>
</tr>
<tr>
<td>4AH6-C 2AC2</td>
<td>4AH6-D 2DX3</td>
<td>4AH6-C 2DX3</td>
</tr>
<tr>
<td>4AH6-D 4AC2</td>
<td>4AH6-D 4DX2</td>
<td>4AH6-C 2DX2</td>
</tr>
<tr>
<td>4AH6-C 4AC2</td>
<td>4AH6-D 4DX3</td>
<td>4AH6-C 2DX3</td>
</tr>
<tr>
<td>4AH6-D 2AC2</td>
<td>4AH6-D 2DX3</td>
<td>4AH6-C 2DX3</td>
</tr>
<tr>
<td>4AH6-C 2CT3</td>
<td>4AH6-D 2CT3</td>
<td>4AH6-D 2CT3</td>
</tr>
<tr>
<td>4AH5-B 2CT3</td>
<td>4AH6-D 2CT3</td>
<td>4AH6-D 2CT3</td>
</tr>
<tr>
<td>4AH6-D 6DA2</td>
<td>4AH6-D 6DY3</td>
<td>4AH6-C 9EA3</td>
</tr>
<tr>
<td>4AH6-D 4DA2</td>
<td>4AH6-D 6DY3</td>
<td>4AH6-C 9EA3</td>
</tr>
<tr>
<td>4AH6-D 2DA2</td>
<td>4AH6-D 4DY2</td>
<td>4AH6-C 6EA2-E</td>
</tr>
<tr>
<td>4AH6-C 6DA2</td>
<td>4AH6-C 6EA2-E</td>
<td>4AH6-C 6EA2-E</td>
</tr>
<tr>
<td>4AH6-C 4DA2</td>
<td>4AH6-C 6EA2-E</td>
<td>4AH6-C 6EA2-E</td>
</tr>
<tr>
<td>4AH6-C 2DA2</td>
<td>4AH6-C 6EA2-E</td>
<td>4AH6-C 6EA2-E</td>
</tr>
</tbody>
</table>
7. **Special Access Service (Cont'd)**

7.3 **Channel Interface and Network Channel Codes (Cont'd)**

7.3.5 **Compatible Channel Interfaces (Cont'd)**

(C) **Voice Grade (Cont'd)**

<table>
<thead>
<tr>
<th>Compatible Cls</th>
<th>Compatible Cls</th>
<th>Compatible Cls</th>
</tr>
</thead>
<tbody>
<tr>
<td>4AH6-C 6EA2-M</td>
<td>4AH6-D 6GS2</td>
<td>4AH6-D 2LO2</td>
</tr>
<tr>
<td>4AH6-C 4EA2-E</td>
<td>4AH6-D 4GS2</td>
<td>4AH6-C 2LO3</td>
</tr>
<tr>
<td>4AH6-C 4EA2-M</td>
<td>4AH6-D 2GS3</td>
<td>4AH6-C 2LO2</td>
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7. \textbf{Special Access Service (Cont'd)}

7.3 \textbf{Channel Interface and Network Channel Codes (Cont'd)}

7.3.5 \textbf{Compatible Channel Interfaces (Cont'd)}

\textit{(C) Voice Grade (Cont'd)}

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4AH5-B & 4NO2 & 4AH5-B & 4TF2 & 2CT3 & 8EB2-E \\
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& & 2CT3 & & 4DS8-* & 2CT3 & 9EC2 \\
& & 2CT3 & & 6DX2 & 2CT3 & 4SF2 \\
& & 2CT3 & & 4DX2 & 2CT3 & 4SF3 \\
& & 2CT3 & & 4DX3 & & \\
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4AH6-D & 2RV2-T & 2CT3 & 6DY3 & & & \\
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\* See 7.3.3 preceding for explanation.
ACCESS SERVICE

7. **Special Access Service (Cont'd)**

7.3 **Channel Interface and Network Channel Codes (Cont'd)**

7.3.5 **Compatible Channel Interfaces (Cont'd)**

(C) **Voice Grade (Cont'd)**

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* See 7.3.3 preceding for explanation.

(C) Indicates Change
### ACCESS SERVICE

7. **Special Access Service (Cont'd)**

7.3 **Channel Interface and Network Channel Codes (Cont'd)**

7.3.5 **Compatible Channel Interfaces (Cont'd)**

(C) **Voice Grade (Cont'd)**

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* See 7.3.3 preceding for explanation.
7. Special Access Service (Cont'd)

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

7.3.5 Compatible Channel Interfaces (Cont'd)

(C) Voice Grade (Cont'd)

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#### 7.3 Channel Interface and Network Channel Codes (Cont'd)

#### 7.3.5 Compatible Channel Interfaces (Cont'd)

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7.3 **Channel Interface and Network Channel Codes (Cont'd)**

7.3.5 **Compatible Channel Interfaces (Cont'd)**

### (C) Voice Grade (Cont'd)

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Issued: September 9, 1985  
Effective: August 9, 1985
7. Special Access Service (Cont'd)

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

7.3.5 Compatible Channel Interfaces (Cont'd)

(C) Voice Grade (Cont'd)

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7. Special Access Service (Cont'd)

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

7.3.5 Compatible Channel Interfaces (Cont'd)

(C) Voice Grade (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

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

7.3.5 Compatible Channel Interfaces (Cont'd)

(C) Voice Grade (Cont'd)

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(C) Indicates Change

Issued: July 18, 2002  Effective: July 19, 2002
7. Special Access Service (Cont'd)

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

7.3.5 Compatible Channel Interfaces (Cont'd)

(C) Voice Grade (Cont'd)

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(D) Reserved For Future Use

(E) Reserved For Future Use

(F) Reserved For Future Use

(C) Indicates Change

Issued: July 18, 2002  Effective: July 19, 2002
7. **Special Access Service (Cont'd)**

7.3 **Channel Interface and Network Channel Codes (Cont'd)**

7.3.5 **Compatible Channel Interfaces (Cont'd)**

- (G) **Reserved For Future Use**
- (H) **Digital Data**

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- (I) **High Capacity**

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

(C) **Indicates Change**

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**Effective:** July 21, 2000
ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations

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

7.4.1 Types of Rates and Charges

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

(A) Monthly Rates

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

(C) Indicates Change

Issued: July 18, 2002
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7. **Special Access Service** (Cont'd)

7.4 **Rate Regulations**

7.4.1 **Types of Rates and Charges** (Cont'd)

(C) **Nonrecurring Charges**

Nonrecurring charges are one-time charges that apply for specific work activity (i.e., installation or change to an existing service). The types of nonrecurring charges that apply for Special Access Service are: installation of service, installation of optional features and functions, and service rearrangements.

1. **Installation of Service**

   Nonrecurring charges apply to each service installed. The nonrecurring charges for the installation of service are set forth in 7.5 following as a nonrecurring charge for the Channel Termination rate element.

2. **Installation of Optional Features and Functions**

   Nonrecurring charges apply for the installation of some of the optional features and functions available with Special Access Service. The charge applies whether the feature or function is installed coincident with the initial installation of service or at any time subsequent to the installation of the service.

   The optional features for which nonrecurring charges apply are set forth in 7.5.3, 7.5.8 and 7.5.9.

3. **Service Rearrangements**

   Service rearrangements are changes to existing (installed) services which do not result in either a change in the minimum period requirements (i.e., change in type of service or change in channel termination) or a change in the physical location of the point of termination at a customer designated premises. Changes in the physical location of the point of the termination are treated as moves and are described and charged for as set forth in 7.4.5 following.

(C) Indicates Change

Issued: July 20, 2000

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The charge to the customer for the service rearrangement is dependent on whether the change is administrative only in nature or involves actual physical change to the service.

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

- Change of customer 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 data (name, address, or contact name or telephone number),
- Change of agency authorization,
- Change of customer circuit identification,
- Change of billing account number,
- Change of customer test line number,
- Change of customer or customer's end user contact name or telephone number, and
- Change of jurisdiction.

All other service rearrangements will be charged for as follows:

- If the change involves the addition of another leg to an existing multipoint service, the non-recurring charge for the channel termination rate element will apply. The charge will apply only for the leg that is being added.

- If the change involves the addition of an optional feature or function which has a separate nonrecurring charge, that nonrecurring charge will apply.
ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.1 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(3) Service Rearrangements (Cont'd)

- If the change involves changing the type of signaling on a Voice Grade service, a charge equal to the Voice Grade channel termination rate element nonrecurring charge will apply. The charge will apply per service termination affected.

- For all other changes, including the addition of optional features without separate nonrecurring charges, a charge equal to a channel termination rate element nonrecurring charge will apply. Only one such charge will apply per service, per change.

7.4.2 Surcharge for Special Access Service

(A) General

In addition to the rates and charges described in 7.4.1 preceding, there is a monthly Special Access Surcharge that applies to Special Access Service. The Special Access Surcharge compensates the Telephone Company for use of the local exchange network when Special Access Service is connected to a PBX or equivalent device which is capable of interconnecting the Special Access with local exchange service.

The Telephone Company will automatically bill the surcharge on each Special Access Service installed irrespective of whether the interconnection capability exists in the customer's premises equipment or in a Centrex-CO type switch unless written certification is received from the customer certifying exemption status as set forth in (B) following.

(B) Special Access Surcharge Exemptions

The Special Access Service will be exempted from the surcharge if the customer provides the Telephone Company written certification that the intrastate Special Access channel termination is one of the following:

(1) an open-end termination in a Telephone Company switch of an FX line, including CCSA and CCSA-equivalent ONALs; or

(2) an analog channel termination that is used for television program transmission; or

Certain material on this page formerly appeared on Pages 67 and 85. Certain material formerly on this page now appears on Page 289.3.

(C) Indicates Change

Issued: March 22, 2000  Effective: April 1, 2000
ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.2 Surcharge for Special Access Service (Cont'd)

(B) Special Access Surcharge Exemptions (Cont'd)

(3) a termination used for TELEX service; or

(4) a termination that by the nature of its operating characteristics could not make use of Telephone Company common lines; or

(5) a termination that interconnects either directly or indirectly to the local exchange network where the usage is subject to Carrier Charges such as, where the Special Access Service accesses only FGA and no local exchange lines, or Special Access Service between customer points of termination or Special Access Service connecting CCSA or CCSA-type equipment (inter-machine trunks); or

(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 Service to a local exchange subscriber line.

(C) Exemption Certification

(1) Special Access Services which are terminated as set forth in (B) preceding will be exempted from the Special Access Surcharge if the customer provides the Telephone Company with a written notification certifying exemption. Such notification shall be provided by the customer (1) at the time the Special Access Service is ordered or installed; (2) at such time as the Special Access Service is reterminated to a device not capable of interconnecting to the local exchange network, or (3) at such time as the Special Access Service becomes associated with a Switched Access Service that is subject to Carrier Charges in conjunction with Carrier Common Line Access.

(2) If written certification is not received at the time the Special Access Service is obtained, the surcharge will be applied. Exempt status will become effective on the certification date indicated by the customer, subject to the regulations in (D) following.

(3) The exemption certification is to be provided by the customer ordering the service. The certification must be signed by the customer or authorized representative and include the category of exemption, as set forth in (B) preceding, for each termination, and the date which the exemption is effective.
ACCESS SERVICE

7. **Special Access Service** (Cont’d)

7.4 **Rate Regulations** (Cont’d)

7.4.2 **Surcharge for Special Access Service** (Cont’d)

(C) **Exemption Certification** (Cont’d)

4. The customer shall also notify the Telephone Company when an exempted Special Access Service is changed or reterminated such that the exemption is not longer applicable.

5. The Telephone Company will work cooperatively with the customer to resolve any questions regarding the exemption certification. In addition, the Telephone Company may withhold exemption of the service until the questions are resolved.

(D) **Crediting the Surcharge**

The Telephone Company will cease billing the Special Access Surcharge when certification is received that the Special Access Service has become exempt from the surcharge, as set forth in (B) preceding. If the status of the Special Access Service was changed prior to receipt of the exemption certification, the Telephone Company will credit the customer’s account, not to exceed ninety (90) days, based on the effective date of the change specified by the customer in the letter of certification.

(E) **Application of Rates**

1. The monthly Special Access Surcharge applies to Special Access Services arranged, as set forth in (A) preceding, on a per voice grade equivalent basis as shown in the following example.

<table>
<thead>
<tr>
<th>Special Access Service</th>
<th>Voice Grade Equivalent</th>
<th>Surcharge</th>
<th>Monthly Charge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voice Grade</td>
<td>1</td>
<td>$25</td>
<td>$25.00</td>
</tr>
<tr>
<td>Group</td>
<td>12</td>
<td>$25</td>
<td>$300.00</td>
</tr>
<tr>
<td>High Capacity</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DS1</td>
<td>24</td>
<td>$25</td>
<td>$600.00</td>
</tr>
<tr>
<td>DS3</td>
<td>672</td>
<td>$25</td>
<td>$16,800.00</td>
</tr>
</tbody>
</table>

The preceding example illustrates the maximum number of surcharges as applicable to a DS1. If the customer claims exemption(s) as set forth in 7.4.2(C) preceding, or is not utilizing all available voice grade equivalents and has spare capacity, the number of surcharges would be reduced accordingly.

Certain material on this page formerly appeared on Pages 84, 85 and 86.

(C) Indicates Change
ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.2 Surcharge for Special Access Service (Cont'd)

(E) Application of Rates (Cont'd)

(2) In the case of multipoint Special Access Service, one Special Access Surcharge will apply for each termination at a customer designated premises.

(3) The Telephone Company will bill the surcharge to the customer who orders the Special Access Service unless the Service is exempt as set forth in (B) preceding.

7.4.3 Reserved For Future Use

Certain material on this page formerly appeared on Pages 84 and 289.

(C) Indicates Change

Issued: March 22, 2000  Effective: April 1, 2000
ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.4 Minimum Periods

The minimum service period for all services is one month.

7.4.5 Moves

A move involves a change in the physical location of one of the following:

- The Point of Termination at the customer's premises
- The customer's premises

The charges for the move are dependent on whether the move is to a new location within the same building or to a different building.

(A) Moves Within the Same Building

When the move is to a new location within the same building, the charge for the move will be an amount equal to one half of the nonrecurring (i.e., installation) charge for the service termination affected. There will be no change in the minimum period requirements.

(B) Moves to a Different Building

Moves to a different building will be treated as a discontinuance and start of service and all associated nonrecurring charges will apply. New minimum period requirements will be established for the new services. The customer will also remain responsible for satisfying all outstanding minimum period charges for the disconnected service.

(C) Indicates Change

Issued: July 18, 2002 Effective: July 19, 2002
ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.6 Mileage Measurement

The mileage to be used to determine the monthly rate for the Channel Mileage Facility rate element is calculated on the airline distance between the locations involved, i.e., the serving wire centers associated with two customer designated premises, a serving wire center associated with a customer designated premises and a Telephone Company hub, or two Telephone Company hubs. The serving wire center associated with a customer designated premises is the serving wire center from which the customer designated premises would normally obtain dial tone.

The V & H coordinates method is used to determine mileage. This method is explained in the National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4. If the method results in fractional miles, the fractional miles are rounded up to the nearest whole number before determining the rate to be billed. The serving wire center and hub V & H coordinates are also included in that tariff.

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

(C) Indicates Change

Issued: October 30, 2001 Effective: October 31, 2001
ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.7 Facility Hubs

A customer has the option of ordering Voice Grade facilities or analog or digital high capacity facilities (i.e., Group, Supergroup, Mastergroup, DS1, DS1C or DS3) to a facility Hub for channelizing to individual services requiring lower capacity facilities (e.g., Voice, etc.).

Different locations may be designated as Hubs for different facility capacities, e.g., multiplexing from digital to digital may occur at one location while multiplexing from digital to analog may occur at a different location. When ordering, the customer will specify the desired multiplexing Hub(s) selected from the National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4. This tariff identifies the type(s) of multiplexing functions which are available and the wire centers at which they are available.

Some of the types of multiplexing available include the following:

- from higher to lower bit rate
- from higher to lower bandwidth
- from digital to voice frequency channels

End to end services may be provided on channels of these facilities to a Hub. The transmission performance for the end to end service provided between customer designated premises will be that of the lower capacity or bit rate. For example, when a 1.544 Mbps facility is multiplexed to voice frequency channels, the transmission performance of the channelized services will be Voice Grade, not High Capacity.

(C) Indicates Change
7. **Special Access Service (Cont'd)**

7.4 **Rate Regulations (Cont'd)**

7.4.7 **Facility Hubs (Cont'd)**

The Telephone Company will commence billing the monthly rate for the facility to the Hub on the date specified by the customer on the service order. Individual services utilizing these facilities may be installed coincident with the installation of the facility to the Hub, or may be ordered and/or installed at a later date, at the option of the customer. The customer will be billed for a Voice Grade or a high capacity analog or digital Channel Termination, Channel Mileage (when applicable), and the multiplexer at the time the facility is installed. Individual service rates (by service type) will apply for a Channel Termination and additional Channel Mileage (as required) for each channelized service. These will be billed to the customer as each individual service is installed.

Cascading multiplexing occurs when a high capacity analog or digital channel is de-multiplexed to provide channels with a lesser capacity and one of the lesser capacity channels is further de-multiplexed. For example, a Supergroup facility is de-multiplexed to five Group facilities and then one of the Group facilities is further de-multiplexed to individual Voice Grade channels.

When cascading multiplexing is performed, whether in the same or a different Hub, a charge for the additional multiplexing unit also applies. When cascading multiplexing is performed at different Hubbing locations, Channel Mileage charges also apply between the Hubs.
ACCESS SERVICE

7. **Special Access Service (Cont'd)**

7.4 **Rate Regulations (Cont'd)**

7.4.8 **Shared Use Digital High Capacity Services**

Shared use occurs when Special Access Service and Switched Access Service are provided over the same High Capacity facilities through a common interface. The facility will be ordered, provided and rated as Special Access Service (i.e., Channel Termination, Channel Mileage, as appropriate, and Multiplexer). The nonrecurring charge that applies when the shared use facility is installed will be the nonrecurring charge associated with the appropriate special High Capacity Channel Termination. Individual service (i.e., Switched or Special Access) nonrecurring charges will not apply to the individual channels of the shared use facility. Rating as Special Access will continue until such time as the customer chooses to use a portion of the available capacity for providing Switched Access Service. As each individual channel is activated for Switched Access Service, the Special Access Channel Termination and Channel Mileage rates will be reduced accordingly (e.g., 1/12th for a Group service, 1/24th for a DS1 service, etc.). The customer must place an order for each individual Switched or Special Access Service utilizing the Shared Use Facilities and specify the channel assignment for each such service.

(C) Indicates Change

Issued: July 18, 2002

Effective: July 19, 2002
ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.8 Shared Use Digital High Capacity Services (Cont'd)

Switched Access Service rates and charges as set forth in Section 6.8 preceding will apply for each channel of the shared use facility that is used to provide Switched Access Service. Where Special Access Service is provided utilizing a channel of the shared facility to the Hub, High Capacity rates and charges will apply for the facility to the Hub as set forth preceding and individual service rates and charges will apply from the Hub to the customer designated premises. The rates and charges that will apply to the portion from the Hub to the customer designated premises will be dependent on the specific type of Special Access Service that is provided (e.g., Voice Grade, Telegraph, etc.). The applicable rates and charges will include a Channel Termination and Channel Mileage, if applicable. Rates and charges for optional features and functions, associated with the service, if any, will apply as set forth in 7.5 following.

7.4.9 Reserved For Future Use

(C) Indicates Change

Issued: March 22, 2000 Effective: April 1, 2000
7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.10 Reserved For Future Use

(C) Indicates Change

Issued: September 1, 2000
Effective: November 1, 2000
7. **Special Access Service (Cont'd)**

7.4 **Rate Regulations (Cont'd)**

7.4.10 **Reserved For Future Use**

(C) Indicates Change

Issued: September 1, 2000

Effective: November 1, 2000
7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.11 Special Access Term Discount Plan

(A) General

The Special Access Term Discount Plan (TDP) applies to Special Access High Capacity DS1 (1.544 Mbps) and DS3 (44.736 Mbps) Services. The TDP provides the customer with discounted rates for the services listed. The customer agrees to a minimum service commitment per service when the TDP is established.

In order for a circuit to be eligible for TDP pricing, the customer must commit a channel termination and/or multiplexer associated with that circuit to a TDP. The commitment level for a circuit will be based on channel terminations and/or multiplexers. Customers may disconnect or move channel terminations and/or multiplexers within the state, and not be subject to termination liability charges as long as the commitment levels are maintained.

(C) Indicates Change

Certain material previously appearing on this page now appears on Pages 296.2.0 and 296.2.2.

Issued: June 29, 2000  Effective: June 30, 2000
7. **Special Access Service (Cont'd)**

7.4 **Rate Regulations (Cont'd)**

7.4.11 **Special Access Term Discount Plan**

**(B) Commitment Level**

All eligible high capacity rate elements for a given circuit (channel termination, channel mileage termination (fixed) and channel mileage facility (per mile)) must be ordered for the same commitment period with the same service date for the same customer. A customer establishes a TDP by selecting all or a portion of their in-service channel terminations and/or multiplexers to a term of three years or five years. During the term of the selected TDP, the customer must maintain an in-service commitment threshold of not less than 90 percent and not more than 130 percent of the committed channel terminations and/or multiplexers.

As long as a customer’s actual in-service level of channel terminations and/or multiplexers is at the commitment level, the customer will be billed the TDP rate for all eligible rate elements. Additionally, if a customer’s in-service level exceeds the initial in-service level by no more than 30 percent, the customer will be billed the TDP rates for all eligible rate elements. For example, the customer has one hundred (100) DS1 channel terminations and commits to 90 percent for a three-year term. The customer will be billed TDP rates as long as the service level of the channel terminations is equal to 90, but not more than 130.
ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.11 Special Access Term Discount Plan

(B) Commitment Level (Cont’d)

If the customer’s in-service request exceeds the initial service level by more than 30 percent, the customer will be billed the month-to-month rate for all facilities above the upper limit of the commitment level. If the customer’s in-service level falls below the minimum commitment threshold, the customer will be billed termination liability charges for the number of Channel Terminations and/or Multiplexers below the minimum commitment threshold, and the customer’s commitment level will be decreased to 110 percent of the customer’s current in-service level. For example, a customer whose minimum commitment threshold is 135 channel terminations and/or multiplexers (90% of 150), but only has 125 in service, will be billed termination liability charges for 10 channel terminations and/or multiplexers and the customer’s commitment level will be decreased to 138 (110% of 125).

Although the commitment level is based on channel terminations and/or multiplexers, the following rate elements will receive TDP rates:

Channel Mileage Facility (per mile)
Channel Mileage Termination (fixed)
Multiplexing
Channel Termination

** Customers subscribing to special access term discount plans established on or order prior to November 20, 2002 may elect to discontinue service without incurring termination liability charges within 90 days of that date.

(C) Indicates Change

Issued: November 19, 2002  Effective: November 20, 2002
7. **Special Access Service (Cont'd)**

7.4 **Rate Regulations (Cont'd)**

7.4.11 Special Access Term Discount Plan

*(C)* **Ordering Provisions**

The customer must order a TDP in writing to the Telephone Company. A TDP may be ordered based on the following plan options:

Three Year Plan
Five Year Plan

In order for a circuit to be eligible for TDP pricing, the customer must commit a channel termination and/or multiplexer associated with that circuit to a TDP.

The customer must specify the plan and the length of the service commitment period and commitment level. The customer agrees to a minimum service commitment level per service in effect at one time. For example, a customer that has a three-year plan for DS1 Service may not establish a second three-year DS1 TDP until the current TDP expires. Once the plan is established and commitment level is agreed upon, standard access ordering procedures will be followed.

When a customer converts to a TDP, no access order charges are applied toward facilities in service at that time. If a customer moves from a month-to-month plan to a TDP, or upgrades from one TDP to another, no access order charges are applied.
7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.11 Special Access Term Discount Plan

(D) Service Rearrangements

When a circuit committed to a TDP is rearranged as set forth in 7.4.11(C)(3) preceding, the nonrecurring rearrangement charge associated with the month-to-month rates for that service will apply. Changes in the type of service or channel termination are treated as disconnects and starts, and the nonrecurring charge associated with the month-to-month rates for that service applies. Changes in physical location at the point of termination are treated as moves, as described in 7.4.5 preceding, and will be assessed the nonrecurring charge associated with the month-to-month rates for that service.

(E) Ninety-Day Review Period

No adjustments in monthly billing for a TDP, for being above or below the commitment threshold described in 7.4.11(B) preceding, will take place until ninety (90) days after Telephone Company written notification to the customer that the commitment level has been exceeded or has not been met. This will ensure that customers will not be penalized for aberrations in channel termination and/or multiplexer counts caused by timing differentials in disconnection and installation.

Customer’s bills will not be adjusted for being outside the threshold described in 7.4.11(B) preceding during the 90-day review period. Additionally, customers will continue to be billed the adjustments (following the 90-day review period) for being outside the described parameters until the commitment level is met or reestablished. A new 90-day review period will be initiated if the customer’s actual in-service level subsequently falls outside the described threshold.
7. **Special Access Service** (Cont'd)

7.4 **Rate Regulations** (Cont'd)

7.4.11 **Special Access Term Discount Plan**

(F) **Increasing the TDP Commitment Level**

Customers may increase their commitment level at any time by notifying the Telephone Company in writing. An increase in the commitment level will not change the expiration date of the TDP.

When a commitment level is increased, the actual in-service channel termination and/or multiplexer level at the time of the increase will be used to calculate the new commitment threshold as described in 7.4.11(B) preceding.

Upon written notification to the Company, customers may elect to have all future channel terminations and/or multiplexers installed during a commitment period automatically placed on the designated TDP.

Customers may request, upon written notification to the Company, that the Company automatically increase the customer’s TDP commitment level when the 130 percent commitment threshold, as set forth in 7.4.11(B) preceding, is exceeded. The adjusted commitment level will be the actual channel terminations and/or multiplexers in service under the TDP at the time the 130 percent threshold is exceeded. The expiration date of the customer’s TDP will not be affected by this change.

The customer may rescind its request to automatically add future channel terminations and/or multiplexers, or to automatically increase its commitment level when the 130 percent threshold is exceeded, by notifying the Company in writing.

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Material previously appearing on this page now appears on Page 296.5.0.

(C) Indicates Change

Issued: June 29, 2000

Effective: June 30, 2000
7. **Special Access Service** (Cont'd)

7.4 **Rate Regulations** (Cont'd)

7.4.11 **Special Access Term Discount Plan** (Cont'd)

(G) **Decreasing the TDP Commitment Level and Termination Liabilities**

Customers may only decrease their commitment level by paying termination liability charges on the number of channel terminations and/or multiplexers by which the commitment level is decreased. Termination liabilities will apply to applicable services covered by the TDP. For example, a customer has a commitment level of ninety (90) channel terminations. The customer then decreases their commitment level to seventy (70). The customer must pay a termination liability on the most recently disconnected twenty (20) facilities inclusive of all associated rate elements as listed above.

If a customer disconnects any portion of their TDP service prior to the expiration of the commitment period, the customer will be billed 50 percent of the monthly TDP charges for the remaining portion of the committed term. For example, a customer disconnecting in the twelfth month of a three-year Plan will be charged 50 percent of the remaining 24 months of billing.

(H) **Rate Changes**

In this section, the term "rate" refers to the charges associated with the entire circuit covered by a TDP. Rate increases or decreases will automatically be applied to the monthly term plan rates for the remaining term of the TDP. If a Telephone Company initiated rate increase causes a customer's rates to increase by 10 percent or more at any one time, the customer may cancel the TDP without incurring termination liability charges.

(I) **Extension of a TDP Commitment Period**

TDP commitment periods can be extended by the customer at any time during the term of the plan, up to a maximum of five years. The number of months accrued in the current plan will apply toward the new plan selected. For example, a customer having completed 15 months of a three-year commitment can extend the commitment to five years and no additional charges will be assessed. The first payment will be considered the sixteenth payment under the new five-year Plan.

Certain material now appearing on this page previously appeared on Original Page 296.3.
Certain material previously appearing on this page now appears on Page 297.

(C) Indicates change

Issued: June 29, 2000 Effective: June 30, 2000
7. **Special Access Service (Cont'd)**

7.4 **Rate Regulations (Cont'd)**

7.4.11 **Special Access Term Discount Plan (Cont’d)**

**(J) Upgrading a TDP Service**

If the same customer has a TDP for DS1 Service, the DS1 TDP commitment level will be increased if the customer requests that it be increased. When a customer upgrades a DS1 Service being billed TDP rates to a DS3 Service with the same termination points, the customer’s DS1 TDP commitment level will be reduced at the customer’s request (up to a maximum of 28) and no termination liability charge will apply.

**(K) Renewal of a TDP**

At the end of the TDP service commitment period, the customer may subscribe to a new TDP at the prevailing rates set forth in 7.5.12 following. If the customer does not select a new TDP, the rates will convert to the prevailing month-to-month DS1 or DS3 rates set forth in 7.5.9 following. The customer will have a grace period to renew their TDP before month-to-month rates will be assessed.

At any time during the term of a TDP, the customer may replace an existing TDP with a new TDP for the same circuit at the prevailing rates set forth in 7.5.12 following. The new TDP must have a term equal to or greater than the existing TDP and no termination liability charge will apply.

**(L) Cancellation Charges**

When a customer cancels an order for Special Access Service being provided under a TDP, cancellation charges as set forth in Section 5.2.3 preceding, will be calculated using the nonrecurring charges associated with the month-to-month rates for the service being cancelled.
ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.12 Broadband School Discount

The Company shall offer school customers* in its service territory, that meet the eligibility standards described in 47 CFR §54.501 (relating to eligibility for services provided by telecommunications carriers) and that agree to enter into a minimum three-year contract with CenturyLink for telecommunications services, a 30% discount (or greater discount at the Company's discretion), in the otherwise applicable tariffed distance sensitive per-mile rate element and also will waive the associated nonrecurring charges for available intrastate broadband services where the telecommunications services are used for educational purposes and not for the provision of telecommunications services to the public for compensation. The discount or waiver shall not be required where application of it to a particular service would conflict with applicable law. The Company will assist school customers in applying for e-rate funding under 47 CFR §54.505 (relating to discounts).

The term "school entity" shall mean an intermediate unit, school district, joint school district, area vocational-technical school, independent school, licensed private academic school, accredited school and any other public or nonpublic school serving students in any grade from kindergarten through 12th grade.

(C) Indicates Change

Issued: May 24, 2011
Effective: May 25, 2011
7. **Special Access Service (Cont'd)**

7.5 **Rates and Charges**

<table>
<thead>
<tr>
<th>7.5.1 Special Access Surcharge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monthly Rate</td>
</tr>
<tr>
<td>- Per Voice Equivalent</td>
</tr>
<tr>
<td>$25.00</td>
</tr>
</tbody>
</table>

7.5.2 **Reserved For Future Use**

(C) Indicates Change

Issued: July 20, 2000

Effective: July 21, 2000
ASS SERVICE

7. **Special Access Service** (Cont'd)

7.5 **Rates and Charges** (Cont'd)

7.5.3 **Voice Grade Service**

<table>
<thead>
<tr>
<th>(A) Channel Termination</th>
<th>Monthly Rate</th>
<th>Nonrecurring Charge</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(Per point of Termination)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Two-Wire</td>
<td>$54.00 (I)</td>
<td>$134.25</td>
</tr>
<tr>
<td>- Four-Wire</td>
<td>$75.00 (I)</td>
<td>$134.25</td>
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(B) Reserved For Future Use

(C) Reserved For Future Use

(D) Channel Mileage

<table>
<thead>
<tr>
<th>Monthly Rate</th>
<th>Termination (Fixed)*</th>
<th>Facility (Per Mile)*</th>
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<tbody>
<tr>
<td></td>
<td>$35.00 (I)</td>
<td>$1.10 (I)</td>
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(E) Optional Features and Functions

(1) **Bridging**

(a) **Voice Bridging**

<table>
<thead>
<tr>
<th>Two-Wire/Four-Wire</th>
<th>Monthly Rate</th>
<th>Nonrecurring Charge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Per port</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Two-Wire</td>
<td>$3.80</td>
<td>$33.30</td>
</tr>
<tr>
<td>- Four-Wire</td>
<td>$3.80</td>
<td>$40.20</td>
</tr>
</tbody>
</table>

* These rates are applicable to WATS services provided over voice grade facilities.

(I) Indicates Increase

Issued: September 4, 2007  
Effective: December 18, 2007
7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.3 Voice Grade Service (Cont'd)

<table>
<thead>
<tr>
<th>Monthly Rate</th>
<th>Nonrecurring Charge</th>
</tr>
</thead>
<tbody>
<tr>
<td>(E) Optional Features and Functions (Cont'd)</td>
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</tbody>
</table>

1) Bridging (Cont'd)

(b) Data Bridging

<table>
<thead>
<tr>
<th>Two-Wire/Four-Wire</th>
<th>Per port</th>
<th>Monthly Rate</th>
<th>Nonrecurring Charge</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Two-Wire</td>
<td></td>
<td>$3.10</td>
<td>$44.60</td>
</tr>
<tr>
<td>- Four-Wire</td>
<td></td>
<td>3.10</td>
<td>61.00</td>
</tr>
</tbody>
</table>

(c) Telephoto Bridging

<table>
<thead>
<tr>
<th>Two-Wire/Four-Wire</th>
<th>Per port</th>
<th>Monthly Rate</th>
<th>Nonrecurring Charge</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Two-Wire</td>
<td>ICB</td>
<td>33.30</td>
<td>(C)</td>
</tr>
<tr>
<td>- Four-Wire</td>
<td>ICB</td>
<td>56.00</td>
<td>(C)</td>
</tr>
</tbody>
</table>

(d) Reserved For Future Use

(C) Indicates Change

Issued: August 30, 2000 Effective: August 31, 2000
7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.3 Voice Grade Service

<table>
<thead>
<tr>
<th>(E)</th>
<th>Optional Features and Functions (Cont'd)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1)</td>
<td>Bridging (Cont'd)</td>
</tr>
<tr>
<td></td>
<td>(d) Reserved For Future Use</td>
</tr>
<tr>
<td></td>
<td>(e) Reserved For Future Use</td>
</tr>
</tbody>
</table>

(C) Indicates Change

Issued: August 30, 2000  Effective: August 31, 2000
7. **Special Access Service (Cont'd)**

7.5 **Rates and Charges (Cont'd)**

7.5.3 **Voice Grade Service**

<table>
<thead>
<tr>
<th>(E) Optional Features and Functions (Cont'd)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(2) Conditioning</td>
</tr>
<tr>
<td>- Per point of termination</td>
</tr>
<tr>
<td>C-Type</td>
</tr>
<tr>
<td>$2.10  $41.60</td>
</tr>
<tr>
<td>Sealing Current</td>
</tr>
<tr>
<td>NONE*  30.70*</td>
</tr>
<tr>
<td>(C)</td>
</tr>
<tr>
<td>(3) Improved Return Loss for Effective Two-Wire or Four-Wire Transmission</td>
</tr>
<tr>
<td>- Per point of termination</td>
</tr>
<tr>
<td>Two-Wire</td>
</tr>
<tr>
<td>4.00  32.90</td>
</tr>
<tr>
<td>Four-Wire</td>
</tr>
<tr>
<td>4.00  42.90</td>
</tr>
<tr>
<td>(C)</td>
</tr>
<tr>
<td>(4) Customer Specified Premises Receive Level</td>
</tr>
<tr>
<td>- Per Two-Wire point of termination</td>
</tr>
<tr>
<td>ICB*</td>
</tr>
<tr>
<td>42.90*</td>
</tr>
<tr>
<td>(C)</td>
</tr>
</tbody>
</table>

* Only applicable subsequent to initial installation of a voice grade service.

(C) Indicates Change

Issued: August 23, 2001  
Effective: August 24, 2001
7. **Special Access Service** (Cont'd)

7.5 **Rates and Charges** (Cont'd)

7.5.3 **Voice Grade Service** (Cont'd)

<table>
<thead>
<tr>
<th>Monthly Rate*</th>
<th>Nonrecurring Charge*</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>(E)</strong> Optional Features and Functions (Cont'd)</td>
<td></td>
</tr>
<tr>
<td><strong>(5)</strong> Reserved For Future Use</td>
<td></td>
</tr>
<tr>
<td><strong>(6)</strong> Reserved For Future Use</td>
<td></td>
</tr>
<tr>
<td><strong>(7)</strong> Data Capability</td>
<td></td>
</tr>
<tr>
<td>- Per point of termination</td>
<td></td>
</tr>
<tr>
<td>None</td>
<td>$30.00</td>
</tr>
<tr>
<td><strong>(8)</strong> Telephoto Capability</td>
<td></td>
</tr>
<tr>
<td>- Per point of termination</td>
<td></td>
</tr>
<tr>
<td>$9.40</td>
<td>22.20</td>
</tr>
<tr>
<td><strong>(9)</strong> Signaling Capability</td>
<td></td>
</tr>
<tr>
<td>- Per point of termination</td>
<td></td>
</tr>
<tr>
<td>6.25</td>
<td>15.00</td>
</tr>
</tbody>
</table>

(C) Indicates Change

Issued: July 20, 2000
Effective: July 21, 2000
7. **Special Access Service** (Cont'd)

7.5 **Rates and Charges** (Cont'd)

7.5.3 **Voice Grade Service** (Cont'd)

<table>
<thead>
<tr>
<th>Optional Features and Functions (Cont'd)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(9) Signaling Capability (Cont'd)</td>
</tr>
<tr>
<td>- In lieu of ++, substitute appropriate two digit code from following list to specify type of signaling.</td>
</tr>
<tr>
<td>AB</td>
</tr>
<tr>
<td>LA</td>
</tr>
</tbody>
</table>

(10) **Reserved For Future Use**

(C) Indicates Change

Issued: July 20, 2000

Effective: July 21, 2000
7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.3 Voice Grade Service (Cont'd)

<table>
<thead>
<tr>
<th>(E) Optional Features and Functions (Cont'd)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(11) Reserved For Future Use</td>
</tr>
</tbody>
</table>

7.5.4 Reserved For Future Use

(C) Indicates Change

Issued: July 20, 2000
Effective: July 21, 2000
ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.5 Reserved For Future Use

(C) Indicates Change

Issued: July 18, 2002
Effective: July 19, 2002
7. **Special Access Service (Cont'd)**

7.5 **Rates and Charges (Cont'd)**

7.5.6 Reserved For Future Use
7. **Special Access Service** (Cont'd)

7.5 **Rates and Charges** (Cont'd)

7.5.6 Reserved For Future Use
7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.6 Reserved For Future Use
7. **Special Access Service** (Cont'd)

7.5 **Rates and Charges** (Cont'd)

7.5.7 Reserved For Future Use

(C) Indicates Change

Issued: July 20, 2000

Effective: July 21, 2000
7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.7 Reserved For Future Use (Cont'd)

(C) Indicates Change

Issued: July 20, 2000  Effective: July 21, 2000
7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.7 Reserved For Future Use (Cont'd) (C)

(C) Indicates Change

Issued: July 20, 2000  Effective: July 21, 2000
7. **Special Access Service (Cont'd)**

7.5 **Rates and Charges (Cont'd)**

7.5.8 **Digital Data Service**

<table>
<thead>
<tr>
<th>Monthly Rate</th>
<th>Nonrecurring Charge</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>(A)</strong> Channel Termination</td>
<td></td>
</tr>
<tr>
<td>Per point of termination</td>
<td></td>
</tr>
<tr>
<td>2.4, 4.8, 9.6, 19.2 kbps</td>
<td>$94.00 (I)</td>
</tr>
<tr>
<td>56.0, 64.0 kbps</td>
<td>$94.00 (I)</td>
</tr>
</tbody>
</table>

**(B)** Reserved For Future Use

**(C)** Reserved For Future Use

(I) Indicates Increase

**Issued:** September 4, 2007

**Effective:** December 18, 2007
## ACCESS SERVICE

### 7. Special Access Service (Cont'd)

#### 7.5 Rates and Charges (Cont'd)

##### 7.5.8 Digital Data Service (Cont'd)

<table>
<thead>
<tr>
<th>Channel Mileage</th>
<th>Monthly Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Termination Facility</td>
</tr>
<tr>
<td></td>
<td>(Fixed)</td>
</tr>
<tr>
<td>(D)</td>
<td></td>
</tr>
<tr>
<td>(1) 2.4, 4.8, 9.6, 19.2 kbps</td>
<td>$36.00 (I)</td>
</tr>
</tbody>
</table>

(I) Indicates Increase

Issued: September 4, 2007    Effective: December 18, 2007
ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.8 Digital Data Service (Cont'd)

<table>
<thead>
<tr>
<th>Monthly Rate</th>
<th>Termination Facility</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(Fixed) (Per Mile)</td>
</tr>
<tr>
<td>(D) Channel Mileage (Cont'd)</td>
<td></td>
</tr>
<tr>
<td>(2) 56.0, 64.0 kbps</td>
<td>$36.00 (I) $2.50 (I)</td>
</tr>
</tbody>
</table>

(E) Optional Features and Functions

(1) Bridging
- Per port ICB $89.00

(2) Reserved For Future Use

(I) Indicates Increase

Issued: September 4, 2007 Effective: December 18, 2007
7. **Special Access Service (Cont'd)**

7.5 **Rates and Charges (Cont'd)**

7.5.9 **High Capacity Service**

<table>
<thead>
<tr>
<th>Channel Termination</th>
<th>Monthly Rate</th>
<th>Nonrecurring Installation Charge</th>
<th>Nonrecurring Rearrangement Charge</th>
</tr>
</thead>
<tbody>
<tr>
<td>(A) Per point of termination</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(1) 1.544 Mbps</td>
<td>$230.00 (I)</td>
<td>$350.00 (I)</td>
<td>$350.00 (I)</td>
</tr>
<tr>
<td>(2) 44.736 Mbps</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Monthly Rates</th>
<th>Within 0-3 CO Miles</th>
<th>Over 3 CO Miles</th>
<th>Nonrecurring Installation Charge</th>
<th>Nonrecurring Rearrangement Charge</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$1,800.00</td>
<td>$2,225.00</td>
<td>$3,030.00</td>
<td>$342.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(B) Reserved For Future Use</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(C) Indicates Change

(I) Indicates Increase

Issued: September 4, 2007

Effective: December 18, 2007
# ACCESS SERVICE

7. **Special Access Service** (Cont'd)

7.5 **Rates and Charges** (Cont'd)

7.5.9 **High Capacity Service** (Cont'd)

<table>
<thead>
<tr>
<th>Monthly Rate</th>
<th>Termination Facility</th>
</tr>
</thead>
<tbody>
<tr>
<td>(C) Channel Mileage</td>
<td>(Fixed)</td>
</tr>
</tbody>
</table>

(1) Reserved For Future Use

(2) 1.544 Mbps

| $99.00 (I) | $20.00 |

(I) Indicates Increase

---

Issued: September 4, 2007                        Effective: December 18, 2007
7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.9 High Capacity Service (Cont'd)

(C) Channel Mileage (Cont'd)

(3) Reserved For Future Use

(4) Reserved For Future Use

(C) Indicates Change

Issued: August 30, 2000
Effective: August 31, 2000
## ACCESS SERVICE

### 7. Special Access Service (Cont'd)

#### 7.5 Rates and Charges (Cont'd)

#### 7.5.9 High Capacity Service (Cont'd)

<table>
<thead>
<tr>
<th>Monthly Rate</th>
<th>Termination (Fixed)</th>
<th>Facility (Per Mile)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(C) **Channel Mileage (Cont'd)**

| (5) 44.736 Mbps        | $750.00 (I)         | $240.00             |
| (6) Reserved For Future Use |                     |                     |

(I) Indicates Increase

Issued: September 3, 2002  Effective: November 2, 2002
## ACCESS SERVICE

### 7. Special Access Service (Cont'd)

#### 7.5 Rates and Charges (Cont'd)

##### 7.5.9 High Capacity Service (Cont'd)

<table>
<thead>
<tr>
<th>Optional Features and Functions</th>
<th>Monthly Rate</th>
<th>Nonrecurring Charge</th>
</tr>
</thead>
<tbody>
<tr>
<td>(D) Multiplexing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(1) DS3 to DS1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Per arrangement</td>
<td>$475.00 (I)</td>
<td>$85.00</td>
</tr>
<tr>
<td>DS1 to DS0 / DS1 to Voice</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Per arrangement</td>
<td>$290.00</td>
<td>$142.00</td>
</tr>
</tbody>
</table>

(I) Indicates Increase

Issued: September 4, 2007

Effective: December 18, 2007
ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.9 High Capacity Service (Cont'd)

<table>
<thead>
<tr>
<th>(D) Optional Features and Functions (Cont'd)</th>
<th>Monthly Rate</th>
<th>Nonrecurring Charge</th>
</tr>
</thead>
<tbody>
<tr>
<td>(2) Automatic Loop Transfer</td>
<td>ICB</td>
<td>ICB</td>
</tr>
<tr>
<td>- Per arrangement*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(3) Clear Channel Capability (CCC)</td>
<td>None</td>
<td>$320.00</td>
</tr>
<tr>
<td>- Per point of termination**</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* An additional Channel Termination charge will apply whenever the spare line is provided as a leg to the customer's premises.

** A nonrecurring charge will apply when CCC is ordered for a DS1 circuit already in service.

(C) Indicates Change

Issued: August 23, 2001          Effective: August 24, 2001
ACCESS SERVICE

7. **Special Access Service** (Cont'd)

7.5 **Rates and Charges** (Cont'd)

7.5.10 **Reserved For Future Use**

7.5.11 **Reserved For Future Use**

(C) Indicates Change

Issued: March 22, 2000
Effective: April 1, 2000
7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.12 Special Access Term Discount Plan

(A) Channel Termination

(1) 1.544 Mbps

(a) Reserved for Future Use

(b) Reserved for Future Use

(c) Three Year Plan
   - Per Point of Termination

   Monthly Rate
   $205.00 (I)

(d) Five Year Plan
   - Per Point of Termination

   Monthly Rate
   $195.00 (I)

(C) Indicates Change

(I) Indicates Increase

Issued: September 4, 2007               Effective: December 18, 2007
7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.12 Special Access Term Discount Plan (Cont'd)

(A) Channel Termination (Cont'd)

(2) 44.736 Mbps

(a) Reserved for Future Use

(b) Reserved for Future Use

(C) Indicates Change
7. **Special Access Service** (Cont'd)

7.5 **Rates and Charges** (Cont'd)

7.5.12 **Special Access Term Discount Plan** (Cont'd)

(A) **Channel Termination** (Cont'd)

(2) **44.736 Mbps** (Cont'd)

(c) **Three Year Plan**

<table>
<thead>
<tr>
<th>Monthly Rates</th>
<th>CO</th>
<th>0-3 Miles</th>
<th>Over 3 Miles</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Within</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>$1,490.00</td>
<td>$1,815.00</td>
<td>$2,540.00</td>
</tr>
</tbody>
</table>

(C) Indicates Change

**Issued:** September 1, 2000  **Effective:** November 1, 2000
ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.12 Special Access Term Discount Plan (Cont'd)

(A) Channel Termination (Cont'd)

(2) 44.736 Mbps (Cont'd)

(d) Five Year Plan

- Per Point of Termination

<table>
<thead>
<tr>
<th>Monthly Rates</th>
<th>Within 0-3 CO</th>
<th>Over 3 CO</th>
<th>Within 0-3 Miles</th>
<th>Over 3 Miles</th>
</tr>
</thead>
<tbody>
<tr>
<td>$1,324.00</td>
<td>$1,625.00</td>
<td>$2,240.00</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(B) Channel Mileage

(1) 1.544 Mbps

(a) Channel Mileage Termination (Fixed - Per Month)

<table>
<thead>
<tr>
<th>Three Year Plan</th>
<th>Five Year Plan</th>
</tr>
</thead>
<tbody>
<tr>
<td>$80.00 (I)</td>
<td>$75.00 (I)</td>
</tr>
</tbody>
</table>

(I) Indicates Increase

Issued: September 4, 2007
Effective: December 18, 2007
### ACCESS SERVICE

#### 7. Special Access Service (Cont'd)

#### 7.5 Rates and Charges (Cont'd)

#### 7.5.12 Special Access Term Discount Plan (Cont'd)

**B) Channel Mileage (Cont'd)**

1. **1.544 Mbps (Cont'd)**
   - **Channel Mileage Facility (Per Mile – Per Month)**
     
     | Year Plan | Year Plan |
     |-----------|-----------|
     | $17.00    | $16.00    |

2. **44.736 Mbps**
   - **Channel Mileage Termination (Fixed - Per Month)**
     
     | Year Plan | Year Plan |
     |-----------|-----------|
     | $700.00   | $650.00   |

   - **Channel Mileage Facility (Per Mile – Per Month)**
     
     | Year Plan | Year Plan |
     |-----------|-----------|
     | $180.00   | $168.00   |

(I) Indicates Increase

Issued: September 3, 2002  
Effective: November 2, 2002
ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.12 Special Access Term Discount Plan (Cont'd)

<table>
<thead>
<tr>
<th></th>
<th>Three Year Plan</th>
<th>Five Year Plan</th>
</tr>
</thead>
<tbody>
<tr>
<td>(C) Multiplexing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(1) DS3 to DS1</td>
<td>$425.00</td>
<td>$400.00</td>
</tr>
<tr>
<td>- Per arrangement</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(2) DS1 to DS0 / DS1 to Voice</td>
<td>250.00</td>
<td>225.00</td>
</tr>
<tr>
<td>- Per arrangement</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Issued: September 25, 2003
Effective: September 26, 2003
7. **Special Access Service (Cont'd)**

7.6 **Individual Case Filings**

Rates and charges for Special Access Service provided on an individual case basis are filed following:
Telephone - Pa. P.U.C. No. 29

The United Telephone Company of Pennsylvania

First Revised Pages 323 Thru 377
Cancels Original Pages 323 Thru 377

FIRST REVISED PAGES 323 THROUGH 377 RESERVED FOR FUTURE USE. (C)

Issued: February 6, 1987
Effective: January 1, 1987
ACCESS SERVICE

9. Directory Assistance Service

The Telephone Company will provide Directory Assistance (DA) Service to a customer from Directory Assistance Service locations (DA location).

9.1 General Description

DA Service provides Directory Access Service to DA locations, use of DA access equipment, and use of DA operators to provide telephone numbers.

9.2 Undertaking of the Telephone Company

(A) A Telephone Company DA operator, when furnished a name and locality, will provide or attempt to provide the telephone number listed in the Telephone Company DA records associated with the name given at the rates and charges as set forth in 9.6 following. The Telephone Company’s contact with the customer’s end user shall be limited to that effort necessary to process an customer’s end user’s request for a telephone number; and the Telephone Company will not transfer, forward or redial an customer’s end user call to any other location for any purpose other than provision of DA Service.

(B) A maximum of two (2) requests for telephone numbers will be accepted per call to the DA operator.

(C) A telephone number which is not listed in DA records will not be available to the customer’s end user.

(D) The Telephone Company will specify the DA location which provides the DA Service for each numbering plan area code (NPA). The DA locations are as shown in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4. When it becomes necessary, as determined by the Telephone Company, to change a DA location, the Telephone Company will notify the involved customers six months prior to the change. For such changes, the regulations as set forth in Section 2.1.7 preceding apply.

(E) When DA Service is ordered, Directory Access Service will be provided between the customer premises and the DA location by the Telephone Company at rates and charges as set forth in 9.6 following.

(C) Indicates Change
9. Directory Assistance Service (Cont'd)

9.2 Undertaking of the Telephone Company (Cont'd)

(E) (Cont'd)

(1) General

Each Directory Access Service will consist of the following:

- A Switched Access Service with one of the following Switched Access Service Local Transport Premises Interface Codes:

  - 4DS9-15 6EA2-E 4RV2-0
  - 4DS9-31 6EA2-M 4AH5-B
  - 4DS0-63 6EX2-B 4AH6-C
  - 4DS6-44 4SF3 4AH6-D
  - 4DS6-27 2RV3-0

- Directory Transport between the premises serving wire center and the DA location.

When required by the Telephone Company, a separate trunk group will be provided for DA Service for each NPA. Separate trunk groups will be required when the Telephone Company notifies the customer that the mechanized search of its data base and its mechanized operator practices require a mechanized identification of the NPA code for which the customer's end user desires DA information.

(2) Local Transport Premises Interface Code

The Switched Access Service Local Transport Premises Interface Codes are provided as set forth in 6. preceding. Further, when an access tandem is provided, the Directory Access Service will be provided, at Telephone Company choice, either as a separate trunk group or in association with Feature Group C or D Switched Access Service. Except as set forth in 9.4 (A) following, the Local Transport Premises Interface Codes provided under a Special Order for Directory Access Service are subject to the order conditions as set forth in 5. preceding. For purposes of applying the order regulations, a DA location is considered to be a customer's end user's serving wire center.
9. Directory Assistance Service (Cont’d)

9.2 Undertaking of the Telephone Company (Cont’d)

(E) (Cont’d)

(3) Directory Transport

Directory Transport provides the transmission facilities and transport termination between the premises of the ordering customer and the DA location. For purposes of determining Directory Transport mileage, distance will be measured from the wire center that normally serves the customer premises to the DA location(s).

Directory Transport is a two-way voice frequency transmission path composed of facilities determined by the Telephone Company. The two-way voice frequency path transports calls in the terminating direction (from the premises of the ordering customer to the DA location). The voice frequency transmission path may be comprised of any form or configuration of plant capable of and typically used in the telecommunications industry for the transmission of voice and associated telephone signals within the frequency band width of approximately 300 to 3000 Hz.

The Telephone Company will determine whether the Directory Access Service is to be routed directly to a DA location or through an appropriately equipped access tandem switch when such an access tandem switch is available. If the customer desires the traffic routing to be other than that selected by the Telephone Company, it may request a cooperative effort to determine if the customer specified traffic routing can be used in lieu of the Telephone Company selected traffic routing.

When Directory Transport is provided using a directory route to the DA location, no address signaling is provided. When Directory Transport is provided with the use of an access tandem switch, wink start-start pulsing signaling is provided at the access tandem switch. The customer will be notified by the Telephone Company when access tandem routing is provided and the customer shall address each call to the DA location using NPA + 555 + 1212. Only NPA codes handled by the DA location served by the access tandem switch will be processed. The number of Directory Transport transmission paths provided is based on the customer’s order and is determined by the
ACCESS SERVICE

9. Directory Assistance Service (Cont’d)

9.2 Undertaking of the Telephone Company (Cont’d)

(3) Directory Transport (Cont’d)

Telephone Company in a manner similar to Switched Access Service transmission paths as set forth in Section 6.5.5 preceding.

Directory Transport may, at the option of the customer, be provided for both interstate and intrastate communications. When the customer requests such mixed access, the intrastate DA charges will be determined by the Telephone Company using the reports furnished by the customer as set forth in Section 2.3.14.

Except as set forth in 9.4 (A) following, Directory Transport provided under a Special Order is subject to all order conditions as set forth in Section 5 preceding.

Directory Transport is provided with a Switched Transport Interface Group as set forth in Section 6.4.3. Only Switched Transport Groups 2-10 will be provided.

Directory Transport Services are comprised of the following rate elements, which are more fully described in Section 6.1.2 (A) and (B) preceding:

- Entrance Facility - for the transport of the DA call from the customer’s premises to the serving wire center of that premises.

- Direct-Trunked Transport - for the transport of the DA call from the customer’s serving wire center to the DA location without switching at a tandem or from the serving wire center to the tandem. This rate element includes both the termination (fixed) and facility (per mile).

- Tandem Switched Transport - for the transport of the DA call from the tandem to the DA location. This rate element includes Tandem Switched Transmission, Tandem Switching, Common and Dedicated Transport Multiplexing and Common and Dedicated Trunk Ports.

Material formerly on this page now appears on Page 381.1.

(C) Indicates Change

Issued: March 22, 2000 Effective: April 1, 2000
ACCESS SERVICE

9. Directory Assistance Service (Cont’d)

9.2 Undertaking of the Telephone Company (Cont’d)

(E) (Cont’d)

(3) Directory Transport (Cont’d)

- Multiplexing - DS3 to DS1 multiplexing charges apply when a high capacity DS3 entrance facility or direct-trunked facility is connected with high capacity DS1 direct-trunked transport. The DS3 to DS1 multiplexer will convert a 44.736 Mbps channel to 28 DS1 channels using digital time division multiplexing. DS1 to voice grade multiplexing charges apply when a high capacity DS1 entrance facility or direct-trunked facility is connected with voice grade direct-trunked transport. The DS1 to voice grade multiplexer will convert a 1.544 Mbps channel to 24 voice grade channels.

The customer will specify whether the Directory Access service is to be routed directly to a DA location or through an access tandem switch appropriately equipped for DA measurement and served by DA trunks to the DA location when such an access tandem switch is available. The combination of Feature Group B or D switched access service with DA service will only be provided at such available and appropriately equipped access tandem switches.

(4) Special Facilities Routing

A customer may request that Directory Access Service be provided via Special Facilities Routing. The regulations, rates and charges for Special Facility Routing (Avoidance, Diversity and Cable Only) are as set forth in Section 11 following.

(5) Design Layout Report

The Telephone Company will provide to the customer the makeup of the facilities and services provided under this section as Directory Access Service. This information will be provided in the form of a Design Layout Report similar to that as set forth in Section 6.1.4. Design Layout Reports for Directory Access Service will be provided only when specifically requested by the customer. The Design Layout Report will be provided to the customer, at no charge, and will be reissued or updated whenever the facilities provided for the customers use are materially changed.
ACCESS SERVICE

9. Directory Assistance Service (Cont’d)

9.2 Undertaking of the Telephone Company (Cont’d)

(E) (Cont’d)

(6) Transmission Specifications

Directory Access Service is provided with either Type A, B or C Transmission Specifications. The specifications associated with these parameters are guaranteed to the DA location, whether routed directly or via an access tandem. Type B Transmission Specification is provided with Interface Groups 2 through 10 when routed direct to a DA location. Type A Transmission Specification is provided with Interface Groups 2 through 10 when routed via an access tandem. A, B and C Transmission Specifications Capabilities are set forth in Section 6.4.1 preceding.

(7) Acceptance Testing and Testing Capabilities

The acceptance testing and testing capabilities for Directory Access Service traffic routed through an access tandem are the same as those for the associated Feature Group C or D end office switching. The acceptance testing for Directory Access Service traffic routed directly to or routed in a separate trunk group through an access tandem to the DA location will be as set forth in Section 6.1.5. The testing capabilities for Directory Access Service traffic routed directly to or routed in a separate trunk group through an access tandem to the DA location will be as set forth for cooperative scheduled testing or manual scheduled testing in Section 13 following.

(F) Trunk-side switching is provided at the Directory Assistance Service access location. The Directory Assistance Service access location will provide trunk answer and disconnect supervisory signaling.

(G) The Telephone Company will distribute the calls received over the Directory Access Services to the DA operators using the DA location access equipment.

(H) In the event that no, or an incorrect, telephone number is provided, no credit applies for the charge for the call to the DA operator.

(C) Indicates Change

Issued: March 22, 2000

Effective: April 1, 2000
9. Directory Assistance Service (Cont’d)

9.2 Undertaking of the Telephone Company (Cont’d)

(I) DA Service may, at the option of the customer, be provided for interstate and intrastate communications. When the customer requests such mixed access, the intrastate DA Service charges will be determined by the Telephone Company using the data furnished by the customer as set forth in 2.3.14 preceding.

9. **Directory Assistance Service** (Cont’d)

9.3 **Obligations of the Customer**

(A) The customer shall determine and order the Directory Access Services it needs for DA Service.

(B) When Directory Assistance Service is initially ordered, the customer shall order the service for at least six months. Thereafter, additional service may be ordered for a minimum of six months. Not later than three months prior to the end of the six month period, the customer shall notify the Telephone Company if the service is to be discontinued at the end of the six month period. If no notice is received from the customer, the Telephone Company will automatically extend the service for another six months and all appropriate charges as set forth in 9.6 following for another six months will apply.

(C) The customer facilities at the premises shall provide the necessary on-hook and off-hook supervision.

(D) When requested by the Telephone Company, the customer shall order a separate trunk group for DA Service for each NPA. The conditions when the customer will be requested to order separate trunk groups for each NPA are set forth in 9.2(E)(1) preceding.

(E) When the customer bills its end users, the customer shall be responsible for all contacts and arrangements with its end users concerning the provision and maintenance of, and the billing and collecting of charges, for DA services furnished to its end users.

When the Telephone Company bills the customer’s end users at the request of the customer, contacts and arrangements with customer’s end users concerning the billing and collecting of charges will be as set forth in 8.2 preceding.

(F) The customer understands that DA operators will respond to only two (2) telephone number requests per call and will not transfer, forward or redial the call to another location for any purpose other than the provision of DA Service.

Issued: May 1, 1995

Effective: June 30, 1995
9. Directory Assistance Service (Cont’d)

9.4 Payment Arrangements

(A) Minimum Periods

The minimum period for which DA Service and the Directory Access Service is provided and for which charges apply is six months. A minimum period of six months applies for each additional period of service ordered or extended.

If DA Service is discontinued prior to the end of each six month period, the charges that apply for the remaining months are the non-recoverable costs. Such costs include the non-recoverable cost of equipment and material ordered, provided or used, plus then on-recoverable cost of installation and removal including the costs of engineering, labor, supervision, transportation, rights- of-way and other associated costs less estimated net salvage.

(B) Cancellation of a Special Order

A customer may cancel a Special Order for DA Service 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 Special Order is to be cancelled. The verbal notice must be followed by written confirmation within 10 days.

When a customer cancels a Special Order for DA Service after the order date but prior to the start of service, the appropriate charges as set forth 5. preceding apply for the Directory Access Service ordered. In addition, a charge equal to any unrecoverable capital costs incurred by the Telephone Company will apply to the customer.

(C) Changes to Special Orders

When a customer requests changes to a pending order for DA Service, such changes will be undertaken if they can be accommodated by the Telephone Company. Charges as set forth in 5. preceding apply for the Directory Access Service changed. In addition a charge equal to any other costs incurred by the Telephone Company because of the change will apply.
ACCESS SERVICE

9. Directory Assistance Service (Cont’d)

9.4 Payment Arrangements (Cont’d)

(D) Moves

A move involves a change in the physical location of the point of termination at the customer premises or of the customer premises. Moves will be treated as set forth in Section 6.7.5 and all associated nonrecurring charges will apply. Minimum period requirements will be established at the new location as set forth in Section 6.7.5. The customer will also remain responsible for satisfying all outstanding minimum period charges for the disconnected service.

(E) DA Service Rearrangements

Nonrecurring charges apply for service rearrangements. Service rearrangements are as set forth in Section 6.7.1(C)(3) preceding. The Service Rearrangement Charges as set forth in Section 6.7.1(C)(3) for the type of change provided by the Telephone Company.

9.5 Rates and Regulations

(A) The charge for Directory Assistance as set forth in 9.6(A) applies as long as such connections are provided by the Telephone Company and are maintained exclusively by the interexchange carrier that offers message telephone service (MTS) in accordance with Part 69 Rules.

(B) The charge for Directory Access Installation (i.e., Switched Transport Installation) and Direct-Trunked Transport activation charges as set forth in Section 6.8.2 preceding will apply to each Directory Access Service installed.

(C) The charges for Directory Transport will be assessed on the same basis as the switched access local transport rate elements set forth in Section 6.1.2 preceding:

- Entrance Facility
- Direct-Trunked Transport
- Tandem Switched Transport
- Multiplexing

(C) Indicates Change

Issued: March 22, 2000
Effective: April 1, 2000
9. Directory Assistance Service (Cont’d)

9.6 Rates and Charges

The rates and charges are:

<table>
<thead>
<tr>
<th>Monthly Rate</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>(A) Directory Assistance Service</td>
<td>ICB</td>
</tr>
</tbody>
</table>

9.7 Directory Assistance Service Locations

(A) Directory Assistance Service is provided under the terms and conditions of Section 9 preceding at the following Telephone Company locations:
10. Special Federal Government Access Services

10.1 General

This section covers Special Access Services that are provided for use only by agencies or branches of the Federal Government and other users authorized by the Federal Government. Services provided to state emergency operations centers are included. These services provide for command and control communications, including communications for national security, emergency preparedness and presidential requirements. They are required to assure continuity of Government in emergency and crisis situations and to provide for national security. Services for command and control communications and for national security and emergency preparedness sometimes require short notice and short duration service provisions. These provisions are especially needed to meet presidential requirements or in response to natural, man-made, or declared emergencies. Requirements of this type cannot be forecasted and are usually needed for a relatively short period. The provision of service under these conditions may require the availability of facilities, such as portable microwave equipment, which are provided on a temporary basis by the Telephone Company, or customer.

10.2 Emergency Conditions

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

- State of crisis declared by the National Command Authorities (includes commitments made to the National Communications System in the “National Plan for Emergencies and Major Disasters”).

Issued: September 9, 1985
Effective: August 9, 1985
ACCESS SERVICE

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

10.2 Emergency Conditions (Cont’d)

- Efforts to protect endangered U.S. personnel or property both in the U.S. and abroad. (Includes space vehicle recovery and protection efforts.)

- Communications requirements resulting from hostile action, a major disaster or a major civil disturbance.

- The director (Cabinet level) of a Federal department, Commander of a Unified/Specified Command, or head of a Military department has certified that a communications requirement is so critical to the protection of life and property or to the National Defense that it must be processed immediately.

- Political unrest in foreign countries which affect the national interest.

- Presidential service.

10.3 Intervals to Provide Service

Emergency conditions described in 10.2 may require that Federal Government services be provided on short notice and only for a short period of time (i.e., less than 30 days). Charges to establish such services will be at the applicable labor rate as set forth in Section 13 following, multiplied by the number of hours required by the appropriate work group. Additionally, a one-month minimum charge for such service will apply.

10.4 Special Facilities Routing

The regulations, rates and charges governing the provision of Special Facilities Routing are set forth in Section 11 following.

10.5 Safeguarding of Service

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

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

(C) Indicates Change

Issued: April 16, 2001
Effective: April 17, 2001
10. Special Federal Government Access Services (Cont’d)

10.5 Safeguarding of Service (Cont’d)

10.5.2 Facility Availability

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

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

10.6 Federal Government Regulations

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

10.7 Reserved For Future Use

10.8 Service Offerings to the Federal Government

The following services are provided to customers for use only by agencies or branches of the Federal Government, other Authorized Users and State Emergency Operations Centers. The rates and charges for these services shall be developed on an individual case basis and shall be consistent with the rates and charges for services offered in other sections of this tariff.

(C) Indicates Change

Issued: July 20, 2000  Effective: July 21, 2000
10. Special Federal Government Access Services (Cont’d)

10.8 Service Offerings to the Federal Government (Cont’d)

10.8.1 Type and Description

(A) Voice Grade Special Access Services

(1) Voice Grade Secure Communications Type I

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

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

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

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

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

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

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

10.8 Service Offerings to the Federal Government (Cont’d)

10.8.1 Type and Description (Cont’d)

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

(2) Voice Grade Secure Communications Type II

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

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

(3) Voice Grade Secure Communications Type III

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

G-2 Conditioning - The absolute loss with respect to frequency and the net loss variation from the switch to an end user’s premises shall be the same as Voice Grade Secure Communications Type I services without additional conditioning; from an end user’s premises to the switch shall be the same as Voice Grade Secure Communications Type I services with additional conditioning. Voice frequency signaling or supervisory tones can be transmitted.
10. Special Federal Government Access Services (Cont’d)

10.8 Service Offerings to the Federal Government (Cont’d)

10.8.1 Type and Description (Cont’d)

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

(4) Voice Grade Secure Communications Type IV

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

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

(B) Reserved For Future Use

(C) Indicates Change

Issued: July 20, 2000 Effective: July 21, 2000
ACCESS SERVICE

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

10.8 Service Offerings to the Federal Government (Cont’d)

10.8.2 Mileage Application

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

10.8.3 Rates and Charges

(A) Voice Grade Special Access Service

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

<table>
<thead>
<tr>
<th>Voice Grade Secure Communications</th>
<th>Monthly Rate</th>
<th>Nonrecurring Charge</th>
<th>Termination Charge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type I, each T-3 Conditioning,</td>
<td>ICB rates and charges apply</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Add’l. Conditioning, per channel termination</td>
<td>ICB rates and charges apply</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(C) Indicates Change

Issued: August 23, 2001
Effective: August 24, 2001
10. Special Federal Government Access Services (Cont’d)

10.8 Service Offerings to the Federal Government (Cont’d)

10.8.3 Rates and Charges (Cont’d)

<table>
<thead>
<tr>
<th>(A)</th>
<th>Voice Grade Special Access Service (Cont’d)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Voice Grade Secure Communications</td>
</tr>
<tr>
<td></td>
<td>Type IV, each G-3 Conditioning,</td>
</tr>
<tr>
<td></td>
<td>Add’l. Conditioning, per channel termination</td>
</tr>
</tbody>
</table>

(B) Reserved For Future Use

(C) Indicates Change

Issued: July 20, 2000
Effective: July 21, 2000
10. **Special Federal Government Access Services (Cont’d)**

10.8 **Service Offerings to the Federal Government (Cont’d)**

10.8.3 **Rates and Charges (Cont’d)**

(C) **Move Charges**

When services without a termination charge associated with it, as set forth in (A) preceding, are 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 service, with a termination charge associated with it, as set forth in (A) and (B) preceding, is moved and is installed at a new location, the IC may elect:

1. to pay the unexpired portion of the termination charge for the service, if any, with the application of a nonrecurring charge and the establishment of a new termination charge for such service at the new location, or

2. to continue service subject to the unexpired portion of the termination charge, if any, and pay the estimated costs of moving such service, provided that the customer requests these charges be quoted prior to ordering the service move. Charges for moving such service will be based on estimated costs attributable to the move.

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

(C) Indicates Change

Issued: July 20, 2000  Effective: July 21, 2000
11. **Special Facilities Routing of Access Services**

11.1 **Description of Special Facilities Routing of Access Services**

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

11.1.1 **Diversity**

Two or more services must be provided over not more than two different physical routes.

11.1.2 **Avoidance**

A service must be provided on a route which avoids specified geographical locations.

11.1.3 **Cable-Only Facilities**

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

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

Avoidance and Diversity are available on Switched Access Service as set forth in Section 6 preceding; Voice Grade Special Access Services as set forth in Section 7 preceding and Special Federal Government Access Services as set forth in Section 10 preceding. Cable-Only Facilities are available with Switched Access Service as set forth in Section 6; Voice Grade Special Access Services as set forth in Section 7, and Special Federal Government Access Services as set forth in Section 10 of this tariff.

(C) Indicates Change

Issued: July 20, 2000

Effective: July 21, 2000
11. Special Facilities Routing of Access Services (Cont’d)

11.1 Description of Special Facilities Routing of Access Services (Cont’d)

In order to avoid the compromise of special routing information, the Telephone Company will provide the required routing information for each specially routed service to only the ordering customer. If requested by the customer, this information will be provided when service is installed and prior to any subsequent changes in routing.

The rates and charges for Special Facilities Routing of Access Services as set forth in 11.2 following are in addition to all other rates and charges that may be applicable for services provided under other sections of this tariff.

11.2 Rates and Charges for Special Facilities Routing of Access Service

The rates and charges for Special Facilities Routing of Access Services are as follows:

11.2.1 Diversity

For each service provided in accordance with 11.1.1 preceding, the rates and charges will be developed on an individual case basis and filed following:

11.2.2 Avoidance

For each service provided in accordance with 11.1.2 preceding, the rates and charges will be developed on an individual case basis and filed following:

(C) Indicates Change

Issued: August 30, 2000

Effective: August 31, 2000
11. Special Facilities Routing of Access Services (Cont’d)

11.2 Rates and Charges for Special Facilities Routing of Access Service (Cont’d)

11.2.3 Diversity and Avoidance Combined

For each service provided in accordance with 11.1.1 and 11.1.2 preceding, combined, the rates and charges will be developed on an individual case basis and filed following:

(C) Indicates Change

11.2.4 Cable-Only Facilities

For each service provided in accordance with 11.1.3 preceding, the rates and charges will be developed on an individual case basis and filed following:

Issued: August 30, 2000
Effective: August 31, 2000
12. Specialized Services or Arrangements

12.1 General

Specialized Services or Arrangements may be provided by the Telephone Company, at the request of a customer, on an individual case basis if such service or arrangements meet the following criteria:

- The requested service or arrangements are not offered under other sections of this tariff.

- The facilities utilized to provide the requested service or arrangements are of a type normally used by the Telephone Company in furnishing its other services.

- The requested service or arrangements are provided within a LATA.

- The requested service or arrangements are compatible with other Telephone Company services, facilities, and its engineering and maintenance practices.

- This offering is subject to the availability of the necessary Telephone Company personnel and capital resources.

12.2 Rates and Charges

Rates and charges and additional regulations if applicable, for specialized service or arrangements provided on an individual case basis are filed following:

(None)
13. **Additional Engineering, Additional Labor and Miscellaneous Charges**

13.1 **Additional Engineering**

The Telephone Company will notify the customer that additional engineering charges, as set forth in 13.1.3 following, will apply before any additional engineering is undertaken. Additional Engineering will be provided by the Telephone Company at the request of the customer only when:

(A) A customer requests additional technical information after the Telephone Company has already provided the technical information normally included on the Design Layout Report (DLR) as set forth in Sections 6.1.5 and 7.1.6 preceding.

(B) Additional engineering time is incurred by the Telephone Company to engineer a customer’s request for a customized service as set forth in Section 7.1.1 preceding.

13.1.1 **Charges for Additional Engineering**

The charge for Additional Engineering are as follows:

<table>
<thead>
<tr>
<th>Additional Engineering</th>
<th>First Half</th>
<th>Each Additional</th>
</tr>
</thead>
<tbody>
<tr>
<td>Periods</td>
<td>Hour or</td>
<td>Half Hour or</td>
</tr>
<tr>
<td></td>
<td>Fraction</td>
<td>Fraction</td>
</tr>
</tbody>
</table>

(A) Basic Time, normally scheduled working hours, per engineer $40.00 (I) $25.00 (I)

(B) Overtime outside of normally scheduled working hours, per engineer $50.00 (I) $35.00 (I)

(C) Indicates Change

(I) Indicates Increase

Issued: September 4, 2007

Effective: December 18, 2007
13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.2 Additional Labor

Additional labor is that labor requested by the customer on a given service and agreed to by the Telephone Company as set forth in 13.2.1 through 13.2.5 following. The Telephone Company will notify the customer that additional labor charges as set forth in 13.2.6 following will apply before any additional labor is undertaken.

13.2.1 Overtime Installation

Overtime installation is that Telephone Company installation effort performed outside of the Telephone Company's normally scheduled business day.

(C)

13.2.2 Overtime Repair

Overtime repair is that Telephone Company maintenance effort performed outside of the Telephone Company's normally scheduled business day.

(C)

13.2.3 Stand By

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

13.2.4 Testing and Maintenance with Other Telephone Companies

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

13.2.5 Other Labor

Other labor is that additional labor not included in 13.2.1 through 13.2.4 preceding, and labor incurred to accommodate a specific customer request that involves only labor which is not covered by any other section of this tariff.

(C) Indicates Change

Issued: November 11, 2003
Effective: December 11, 2003
ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.2 Additional Labor (Cont'd)

13.2.6 Charges for Additional Labor

Hourly charges are calculated from the time Telephone Company personnel are dispatched and end when the work is completed.

The charges for additional labor are as follows:

<table>
<thead>
<tr>
<th>Additional Labor Periods</th>
<th>First Half Hour or</th>
<th>Each Additional Half Hour or</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Fraction</td>
<td>Fraction</td>
</tr>
<tr>
<td></td>
<td>Thereof</td>
<td>Thereof</td>
</tr>
</tbody>
</table>

(A) Basic Time, normally scheduled working hours, on a scheduled work day, per engineer or technician

$40.00 (I) $25.00 (I)

(C) Indicates Change

(I) Indicates Increase

Issued: September 4, 2007

Effective: December 18, 2007
13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.2 Additional Labor (Cont'd)

13.2.6 Charges for Additional Labor (Cont'd)

<table>
<thead>
<tr>
<th>Additional Labor Periods</th>
<th>First Half</th>
<th>Each Additional</th>
</tr>
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<tbody>
<tr>
<td>(B) Overtime, outside of normally scheduled working hours, per engineer or technician*</td>
<td>$50.00 (I)</td>
<td>$35.00 (I)</td>
</tr>
</tbody>
</table>

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

(C) Indicates Change

(I) Indicates Increase

Issued: September 4, 2007

Effective: December 18, 2007
### ACCESS SERVICE

13. **Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)**

13.2 **Additional Labor (Cont'd)**

13.2.6 **Charges for Additional Labor (Cont'd)**

<table>
<thead>
<tr>
<th>Additional Labor Periods</th>
<th>First Half Hour or Fraction</th>
<th>Each Additional Half Hour or Fraction Thereof</th>
<th>Thereof</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>(C) Premium time, outside of scheduled work day, per engineer or technician*</td>
<td>$60.00 (I)</td>
</tr>
</tbody>
</table>

* A callout of a Telephone Company employee is subject to a minimum charge of three hours.

(C) Indicates Change

(I) Indicates Increase

Issued: September 4, 2007

Effective: December 18, 2007
13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services

13.3.1 Maintenance of Service

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

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

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

Prior to taking any action, the Telephone Company will advise the customer that it may be responsible for payment of a Maintenance of Service charge should the condition in either (A) or (B) preceding apply.

(C) Indicates Change

Issued: July 20, 2000
Effective: July 21, 2000
13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont’d)

13.3 Miscellaneous Services (Cont’d)

13.3.1 Maintenance of Service (Cont’d)

(C) The charges for Maintenance of Service are applied on a per half hour, per technician basis at the rate specified for additional labor as set forth in 13.2.6 preceding.

13.3.2 Reserved for Future Use

(C) Indicates Change

Issued: July 20, 2000          Effective: July 21, 2000
13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.3 InterLATA Toll Presubscription

(A) Presubscription is an arrangement whereby an end user* may select and designate to the Telephone Company an interexchange carrier ("IC") to access, without a Carrier Access Code (CAC), for interLATA intrastate calls. This IC is referred to as the End User's pre-designated IC.

(B) Reserved for Future Use

(C) New End Users, who are served by end offices equipped with Feature Group D, will be asked to presubscribe to an IC at the time they place an order with the Telephone Company for Telephone Exchange Service. They may select either of the following options. There will be no additional charge for this initial selection.

- Designate an IC as pre-designated IC and dial 101XXXX or other CACs (i.e., 950-10XX) to reach other ICs.

- Designate that they do not want to be presubscribed to any IC and choose to dial 101XXXX or other CACs (i.e., 950-10XX) for all calls to all ICs.

* For purposes of this section, the term end user also includes Competitive Local Exchange Carriers (CLECs) that are certified to resell local exchange telecommunications services.

(C) Indicates Change

Issued: March 13, 2001  Effective: March 14, 2001
13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.3 InterLATA Toll Presubscription (Cont'd)

(C) (Cont'd)

Subsequent to the installation of Telephone Exchange Service, and after the end user's initial selection of a predesignated IC, for any additional change in selection, a nonrecurring charge, as set forth in (E) following applies.

(D) Unauthorized PIC Carrier Selection

An Unauthorized PIC Carrier Restoration is a change in the preferred PIC assignment that the end user or agent denies authorizing. If an end user or agent denies requesting the change in PIC assignment as submitted by the IC, the alleged unauthorized IC will be assessed the PIC change charge as set forth in 13.3.3(E) for the following:

- Changing the end user or agent to the disputed IC, and;
- Placing the end user or agent back on their previous IC's network.

(E) The nonrecurring charge for Presubscription is as follows:

<table>
<thead>
<tr>
<th>Nonrecurring Charge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Presubscription, per Telephone Exchange Service line or trunk</td>
</tr>
</tbody>
</table>

Note: This charge is billed to the End User that is the subscriber to the Telephone Exchange Service.

13.3.4 Standard Jacks - Registration Program

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

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

(C) Indicates Change

Issued: March 13, 2001

Effective: March 14, 2001
13. **Additional Engineering, Additional Labor and Miscellaneous Services** (Cont'd)

13.3 **Miscellaneous Services** (Cont'd)

13.3.4 **Standard Jacks - Registration Program** (Cont'd)

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

<table>
<thead>
<tr>
<th>Nonrecurring</th>
<th>Charge</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(A) **Standard Voice Jacks**

(1) **Miniature 6-Position**

Jacks for connection of terminal equipment as follows:

(a) Single line telephone set surface or flush mounted. $29.00

(b) Single line telephone sets wall mounted. 29.00

(c) Two line non-key telephone sets surface or flush mounted. 29.00

(d) Single line bridged 4-wire exchange 2/RT, T1/R1. 29.00

C) Indicates Change

Issued: August 30, 2000  Effective: August 31, 2000
13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.4 Standard Jacks - Registration Program (Cont'd)

(A) Standard Voice Jacks (Cont'd)

(1) (Cont'd)

<table>
<thead>
<tr>
<th>Nonrecurring Charge</th>
<th>(C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(e) Two-line non-key telephone sets wall mounted.</td>
<td>$29.00</td>
</tr>
<tr>
<td>(f) Special single line equipment for use in hospital critical care areas.</td>
<td>29.00</td>
</tr>
<tr>
<td>(g) 9DB single line data equipment with mode indication and mode indication common leads. This jack is normally used in association with a series jack.</td>
<td>29.00</td>
</tr>
<tr>
<td>(h) Three-line non-key telephone sets and ancillary devices.</td>
<td>29.00</td>
</tr>
</tbody>
</table>

(C) Indicates Change

Issued: August 30, 2000
Effective: August 31, 2000
13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.4 Standard Jacks - Registration Program (Cont'd)

(A) Standard Voice Jacks (Cont'd)

Nonrecurring Charge

(2) 50 Position Miniature Ribbon for connection of multiline terminating equipment and channel derivation devices as follows:

(a) For connection to 2-Wire tie trunks E&M type I signaling.
   (12 line capacity) $41.00

(b) For connection to 4-Wire tie trunks E&M type I signaling.
    (8 line capacity) 41.00

(c) For connection to 2-Wire tie trunks E&M type II signaling.
   (8 line capacity) 41.00

(d) For connection to 4-Wire tie trunks E&M type II signaling.
    (6 line capacity) 41.00

(C) Indicates Change

Issued: August 30, 2000  Effective: August 31, 2000
13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.4 Standard Jacks - Registration Program (Cont'd)

(A) Standard Voice Jacks (Cont'd)

(2) (Cont'd)

Nonrecurring Charge

(e) For connection to off premises station lines. (25 line capacity) $41.00

(f) For use with series devices such as toll restrictors. (12 line capacity) 41.00

(g) For connection of up to 12 line bridged 4-wire exchange 2/RT, T1/R1. 41.00

(3) Series Jacks for connection of terminal equipment as follows:

(a) Single line alarm reporting devices. N/A

(b) Series ancillary devices such as automatic dialers. Single line sets with exclusion. N/A

(C) Indicates Change

Issued: August 30, 2000 Effective: August 31, 2000
13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.4 Standard Jacks - Registration Program (Cont'd)

(A) Standard Voice Jacks (Cont'd)

(3) (Cont'd)

Nonrecurring Charge (C)

(c) Two line telephone sets with exclusion on one line. N/A

(4) Weatherproof Jack for use with single line telephone sets used at locations such as boats and marinas. N/A (C)

(B) Standard Data Jacks

(1) Universal Data Jack for use in connecting fixed loss loop (FLL) and programmed (P) types of data equipment (1 line capacity) $45.00 (C)

(2) Programmed Data Jack for use in connecting programmed data equipment. (1 line capacity) N/A (C)

(C) Indicates Change

Issued: August 30, 2000 Effective: August 31, 2000
13. **Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)**

13.3 **Miscellaneous Services (Cont'd)**

13.3.4 **Standard Jacks - Registration Program (Cont'd)**

(B) **Standard Data Jacks (Cont'd)**

<table>
<thead>
<tr>
<th>Nonrecurring Charge</th>
<th>(C)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(3) **Multiple Line Universal Data Jack for use in connecting fixed Loss loop (FLL) and programmed (P) types of data equipment.**

This jack will terminate up to eight lines. The selection of this jack requires the use of the equipment listed following.

N/A (C)

(a) **Multiple Line Universal Data Jack Circuit Cards. For use with RJ26X. One circuit card per circuit required.**

N/A (C)

(b) **Multiple Line Universal Data Jack Mounting options. For use with RJ26X. One required per RJ26X. Wall Mounting with cover.**

N/A (C)

(C) Indicates Change

Issued: August 30, 2000
Effective: August 31, 2000
13. **Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)**

13.3 **Miscellaneous Services (Cont'd)**

13.3.4 **Standard Jacks - Registration Program (Cont'd)**

(B) **Standard Data Jacks (Cont'd)**

(3) (Cont'd)

(b) (Cont'd)

<table>
<thead>
<tr>
<th>Nonrecurring Charge</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Rack Mounting</td>
</tr>
<tr>
<td>(19 inch or 23 inch)</td>
</tr>
<tr>
<td>N/A</td>
</tr>
</tbody>
</table>

13.3.5 **Testing Services**

The Telephone Company will, in addition to any customer requested acceptance testing, perform such tests as it believes necessary to insure that the access services ordered by a customer are functioning properly prior to turning over such access services to the customer. In addition, the Telephone Company as part of the ongoing work to maintain the continued satisfactory performance of the access services ordered by the customer, may perform periodic tests.

Testing Services offered under this section of the tariff are in addition to the tests described above and will be provided when requested by the customer, at the charges set forth in 13.3.5(c) following unless specified otherwise. Scheduled basic testing of Feature Groups C and D is provided on a nonoptional basis and at no charge. Testing services are normally provided by Telephone Company personnel at Telephone Company locations. However, provisions are made in (A)(5) and (B)(2) following for requests for Telephone Company personnel to perform testing services at the customer premises. In addition, the Telephone Company will, at the request of the customer, perform Acceptance Testing with the customer in accordance with the provisions set forth in 6. and 7. preceding.

(C) Indicates Change

Issued: August 30, 2000

Effective: August 31, 2000
13. **Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)**

13.3 **Miscellaneous Charges (Cont'd)**

13.3.5 **Testing Services (Cont'd)**

The offering of Testing Services 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) and (B) following.

(A) **Switched Access Service**

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

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

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

(1) **Additional Cooperative Acceptance Testing**

Additional Cooperative Acceptance Testing (ACAT) of Switched Access Service involves the Telephone Company provision of a technician at its office(s) and the
ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Charges (Cont'd)

13.3.5 Testing Services (Cont'd)

(A) Switched Access Service (Cont'd)

(1) Additional Cooperative Acceptance Testing

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

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

(2) Automatic Scheduled Testing

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

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Charges (Cont'd)

13.3.5 Testing Services (Cont'd)

(A) Switched Access Service (Cont'd)

(2) Automatic Scheduled Testing (Cont'd)

With Feature Group B Switched Access Service, AST is only provided to customers who order it, i.e., AST is provided on an optional basis as tests are not normally conducted for Feature Group B services. Charges in 13.3.5(C)(1)(b) apply. However, with Feature Group D, AST for basic tests is provided on a nonoptional basis and at no charge.

With Feature Group D, CST or Manual Scheduled Testing (MST) may be specified by the customer in lieu of AST and provided by the Telephone Company at no charge. Trunks from a Telephone Company digital switch to a customer digital switch utilizing digital facilities are excluded from mandatory routine testing.

The Telephone Company will provide a monthly AST report that lists the trunks within each exchange 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. On an optional basis, a monthly report that lists the test results for each trunk tested may be provided to the customer at an additional charge as set forth in 13.3.5(C)(1)(f) following.

(3) Cooperative Scheduled Testing

Cooperative Scheduled Testing (CST) of Switched Access Services (Feature Groups B and D and Directory Access Service not routed through an access tandem), where the Telephone Company provides a technician at its office(s) and the customer provides a technician at

(C) Indicates Change
ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Charges (Cont'd)

13.3.5 Testing Services (Cont'd)

(A) Switched Access Service (Cont'd)

(3) Cooperative Scheduled Testing (Cont'd)

its premises, with suitable test equipment to perform the required tests, will consist of quarterly loss and C-message noise tests and annual balance tests. However, the customer may specify a more frequent schedule of tests. In addition to the loss/noise/balance measurements, the customer may also order gain-slope and C-notched noise testing.

With Feature Group B Switched Access Service, CST is only provided to customers who order it, i.e., CST is provided on an optional basis as tests are not normally conducted for Feature Group B services. Charges in 13.3.5(C)(1)(c) apply. However, with Feature Group D, CST for basic tests may be provided as an alternative to the nonoptional AST at no charge. Trunks from a Telephone Company digital switch (e.g., 4E, 5E or DMS10) to a customer digital switch utilizing digital facilities are excluded from mandatory routine testing.

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

(4) Manual Scheduled Testing

Manual Scheduled Testing (MST) of Switched Access Services (Feature Groups B and D and Directory Access Service not routed through an access tandem), where the Telephone Company provides a technician at its office(s) and at the customer premises, will
13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont’d)

13.3 Miscellaneous Charges (Cont’d)

13.3.5 Testing Services (Cont’d)

(A) Switched Access Service (Cont’d)

(4) Manual Scheduled Testing (Cont’d)

consistent with quarterly loss and C-message noise tests and annual balance tests. However, the customer may specify a more frequent schedule of tests. In addition to the loss/noise/balance tests, the customer may also order gain-slope and C-notched noise testing.

With Features Group B Switched Access Service, MST is only provided to customers who order it, i.e., MST is provided on an optional basis as tests are not normally conducted for Feature Group B service. Charges in 13.3.5(C)(1)(d) apply. However, with Feature Group D, MST for basic tests may be provided as an alternative to the nonoptional AST at no charge. Trunks from a Telephone Company digital switch (e.g., 4E, 5E or DMS10) to a customer’s digital switch utilizing digital facilities are excluded from mandatory routine testing.

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

(5) Nonscheduled Testing

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

- the customer provides remote office test lines and 105 test lines with associated responders or their functional equivalent (“automatic testing”), or
13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Charges (Cont'd)

13.3.5 Testing Services (Cont'd)

(A) Switched Access Service (Cont'd)

(5) Nonscheduled Testing (Cont'd)

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

- the Telephone Company provides a technician at its office(s) and at the customer premises with suitable test equipment to perform the required tests ("manual testing").

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

(6) Obligations of the Customer

(a) The customer shall provide the Remote Office Test Line priming data to the Telephone Company, as appropriate, to support AST as set forth in 13.3.5(A)(2) preceding or NST as set forth in 13.3.5(A)(5) preceding.

(b) The customer shall make the facilities to be tested available to the Telephone Company at times mutually agreed upon.

(B) Special Access Service

The Telephone Company will, at the request of a customer, provide assistance in performing specific tests requested by the customer as set forth in 13.3.5(B)(1) and 13.3.5(B)(2) following.
13. **Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)**

13.3 **Miscellaneous Charges (Cont'd)**

13.3.5 **Testing Services (Cont'd)**

**B) Special Access Service (Cont'd)**

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

When a customer provides a technician at its 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 on Voice Grade Services. These tests may, e.g., consist of the following:

- Attenuation Distortion (i.e., Frequency Response)
- Intermodulation Distortion (i.e., Harmonic Distortion)
- Phase Jitter
- Impulse Noise
- Envelope Delay Distortion
- Frequency Shift
- Echo Control

2. **Nonscheduled Testing (NST)**

When a customer provides a technician at its 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 Nonscheduled Testing. At the customer's request, the Telephone Company will provide a technician at the customer premises. Non-scheduled tests may consist of any tests, e.g., loss, noise, slope, envelope delay, which the customer may require.
13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Charges (Cont'd)

13.3.5 Testing Services (Cont'd)

(B) Special Access Service (Cont'd)

(3) Obligation of the Customer

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

(C) Rates and Charges

(1) Switched Access

(a) Additional Cooperative Acceptance Testing

<table>
<thead>
<tr>
<th></th>
<th>First Half Testing Periods</th>
<th>Additional Half Hour Testing Periods</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic Time,</td>
<td>$30.00</td>
<td>$19.00</td>
</tr>
<tr>
<td>normally scheduled</td>
<td>$30.00</td>
<td>$19.00</td>
</tr>
<tr>
<td>working hours,</td>
<td>$30.00</td>
<td>$19.00</td>
</tr>
<tr>
<td>per technician</td>
<td>$30.00</td>
<td>$19.00</td>
</tr>
</tbody>
</table>

Overtime, outside of normally scheduled working hours on a scheduled working day, per technician

<table>
<thead>
<tr>
<th></th>
<th>Overtime</th>
<th>Premium Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic Time,</td>
<td>$38.00 *</td>
<td>$44.00 *</td>
</tr>
<tr>
<td>normally scheduled</td>
<td>$38.00 *</td>
<td>$44.00 *</td>
</tr>
<tr>
<td>working hours,</td>
<td>$38.00 *</td>
<td>$44.00 *</td>
</tr>
<tr>
<td>per technician</td>
<td>$38.00 *</td>
<td>$44.00 *</td>
</tr>
</tbody>
</table>

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

(C) Indicates Change

Issued: August 30, 2000

Effective: August 31, 2000
13. **Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)**

13.3 **Miscellaneous Charges (Cont'd)**

13.3.5 **Testing Services (Cont'd)**

(C) **Rates and Charges (Cont'd)**

(1) **Switched Access (Cont'd)**

(b) **Automatic Scheduled Testing (AST)**

<table>
<thead>
<tr>
<th>To First Point of Switching</th>
<th>Monthly Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic Offering *</td>
<td></td>
</tr>
<tr>
<td>1004 Hz Loss**</td>
<td>$1.08</td>
</tr>
<tr>
<td>per test ordered, per year, per transmission path</td>
<td>(C)</td>
</tr>
<tr>
<td>C-Message Noise**</td>
<td>1.08</td>
</tr>
<tr>
<td>per test ordered, per year, per transmission path</td>
<td>(C)</td>
</tr>
<tr>
<td>Return Loss (Balance)**</td>
<td>1.08</td>
</tr>
<tr>
<td>per test ordered, per year, per transmission path</td>
<td>(C)</td>
</tr>
</tbody>
</table>

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

** The customer may specify a more frequent schedule of tests 60 days prior to the start of the customer prescribed schedule.

(C) **Indicates Change**

Issued: August 30, 2000  Effective: August 31, 2000
13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Charges (Cont'd)

13.3.5 Testing Services (Cont'd)

(C) Rates and Charges (Cont'd)

(1) Switched Access (Cont'd)

(b) Automatic Scheduled Testing (AST) (Cont'd)

<table>
<thead>
<tr>
<th>To First Point</th>
<th>Monthly Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>of Switching</td>
<td></td>
</tr>
<tr>
<td>Additional Tests</td>
<td></td>
</tr>
</tbody>
</table>

Gain-Slope per test ordered, per year, per transmission path $1.08 (C)

C-Notched Noise per test ordered, per year, per transmission path 1.08 (C)

(C) Indicates Change

Issued: August 30, 2000 Effective: August 31, 2000
13. **Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)**

13.3 **Miscellaneous Charges (Cont'd)**

13.3.5 **Testing Services (Cont'd)**

(C) **Rates and Charges (Cont'd)**

(1) **Switched Access (Cont'd)**

(c) **Cooperative Scheduled Testing (CST)**

<table>
<thead>
<tr>
<th>To First Point of Switching</th>
<th>Monthly Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic Offering*</td>
<td></td>
</tr>
<tr>
<td>1004 Hz Loss,**</td>
<td>$1.63</td>
</tr>
<tr>
<td>per test ordered, per year, per transmission path</td>
<td></td>
</tr>
<tr>
<td>C-Message Noise,**</td>
<td>1.63</td>
</tr>
<tr>
<td>per test ordered, per year, per transmission path</td>
<td></td>
</tr>
<tr>
<td>Return Loss (Balance),**</td>
<td>1.63</td>
</tr>
<tr>
<td>per test ordered, per year, per transmission path</td>
<td></td>
</tr>
</tbody>
</table>

* These three tests represent the minimum offering; i.e., an order for testing must, at a minimum, consist of four 1004 Hz Loss Tests, four C-Message Noise Tests and one Return Loss (Balance) Test per transmission path, per year. The additional tests listed may be ordered by the customer at additional charges.

** The customer may specify a more frequent schedule of tests.

(C) Indicates Change

Issued: August 30, 2000

Effective: August 31, 2000
13. **Additional Engineering, Additional Labor and Miscellaneous Services** (Cont'd)

13.3 **Miscellaneous Charges** (Cont'd)

13.3.5 **Testing Services** (Cont'd)

(C) **Rates and Charges** (Cont'd)

(1) **Switched Access** (Cont'd)

(c) **Cooperative Scheduled Testing (CST)** (Cont'd)

<table>
<thead>
<tr>
<th>To First Point</th>
<th>Monthly Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gain-Slope, per test ordered, per year, per transmission path</td>
<td>$1.63</td>
</tr>
</tbody>
</table>

(C) Indicates Change

Issued: August 30, 2000  
Effective: August 31, 2000
13. **Additional Engineering, Additional Labor and Miscellaneous Services (Cont’d)**

13.3 **Miscellaneous Charges (Cont’d)**

13.3.5 **Testing Services (Cont’d)**

(C) **Rates and Charges (Cont’d)**

(1) **Switched Access (Cont’d)**

(c) **Cooperative Scheduled Testing (CST) (Cont’d)**

To First Point
of Switching

<table>
<thead>
<tr>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>(C)</td>
</tr>
</tbody>
</table>

C-Notched Noise per test ordered, per year, per transmission path $1.63 (C)

(d) **Manual Scheduled Testing (MST)**

To First Point
of Switching

<table>
<thead>
<tr>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>(C)</td>
</tr>
</tbody>
</table>

Basic Offering*

1004 Hz Loss,** per test ordered, per year, per transmission path $2.82 (C)

* These three tests represent the minimum offering; i.e., an order for testing must, at a minimum, consist of four 1004 Hz Loss Tests, four C-Message Noise Tests and one Return Loss (Balance) Test per transmission path, per year. The additional tests listed may be ordered by the customer at additional charges.

** The customer may specify a more frequent schedule of tests.

(C) Indicates Change

Issued: August 30, 2000 Effective: August 31, 2000
13. **Additional Engineering, Additional Labor and Miscellaneous Services** (Cont'd)

13.3 **Miscellaneous Charges** (Cont'd)

13.3.5 **Testing Services** (Cont'd)

(C) **Rates and Charges** (Cont'd)

(1) **Switched Access** (Cont'd)

(d) **Manual Scheduled Testing (MST)** (Cont'd)

<table>
<thead>
<tr>
<th>To First Point</th>
<th>Monthly Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>of Switching</td>
<td>(C)</td>
</tr>
</tbody>
</table>

**Basic Offering** (Cont'd)

- C-Message Noise,** per test ordered, per year, per transmission path $2.82 (C)
- Return Loss (Balance),** per test ordered, per year, per transmission path $2.82 (C)

**Additional Tests**

- Gain-Slope, per test ordered, per year, per transmission path $2.82 (C)

* These three tests represent the minimum offering; i.e., an order for testing must, at a minimum, consist of four 1004 Hz Loss Tests, four C-Message Noise Tests and one Return Loss (Balance) Test per transmission path, per year. The additional tests listed may be ordered by the customer at additional charges.

** The customer may specify a more frequent schedule of tests.

(C) Indicates Change
13. **Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)**

13.3 **Miscellaneous Charges (Cont'd)**

13.3.5 **Testing Services (Cont'd)**

(C) **Rates and Charges (Cont'd)**

(1) **Switched Access (Cont'd)**

(d) **Manual Scheduled Testing (MST) (Cont'd)**

<table>
<thead>
<tr>
<th>Rate</th>
<th>Monthly Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>To First Point of Switching</td>
<td>$2.82</td>
</tr>
<tr>
<td>C-Notched Noise per test ordered, per year, per transmission path</td>
<td>$2.82</td>
</tr>
</tbody>
</table>
13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont’d)

13.3 Miscellaneous Charges (Cont’d)

13.3.5 Testing Services (Cont’d)

(C) Rates and Charges (Cont’d)

(1) Switched Access (Cont’d)

(e) Nonscheduled Testing (NST)

Cooperative Testing:

<table>
<thead>
<tr>
<th>Testing Periods</th>
<th>First Half Hour or Fraction Thereof</th>
<th>Each Additional Half Hour or Fraction Thereof</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic Time, normally scheduled working hours, per technician</td>
<td>$30.00</td>
<td>$19.00</td>
</tr>
<tr>
<td>Overtime, outside of normally scheduled working hours on a scheduled working day, per technician</td>
<td>38.00*</td>
<td>25.00*</td>
</tr>
<tr>
<td>Premium Time, outside scheduled working day, per technician</td>
<td>44.00*</td>
<td>30.00*</td>
</tr>
</tbody>
</table>

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

(C) Indicates Change

Issued: August 30, 2000  Effective: August 31, 2000
13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont’d)

13.3 Miscellaneous Charges (Cont’d)

13.3.5 Testing Services (Cont’d)

(C) Rates and Charges (Cont’d)

(1) Switched Access (Cont’d)

(e) Nonscheduled Testing (NST) (Cont’d)

Manual Testing:

<table>
<thead>
<tr>
<th>Testing Periods</th>
<th>First Half Hour or Fraction Thereof</th>
<th>Each Additional Half Hour or Fraction Thereof</th>
<th>(C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic Time, normally scheduled working hours, per technician</td>
<td>$30.00</td>
<td>$19.00</td>
<td>(C)</td>
</tr>
<tr>
<td>Overtime, Outside of normally scheduled working hours on a scheduled working day, per technician</td>
<td>38.00*</td>
<td>25.00*</td>
<td>(C)</td>
</tr>
<tr>
<td>Premium Time, outside scheduled working day, per technician</td>
<td>44.00*</td>
<td>30.00*</td>
<td>(C)</td>
</tr>
</tbody>
</table>

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

(C) Indicates Change

Issued: August 30, 2000  Effective: August 31, 2000
13. **Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)**

13.3 **Miscellaneous Charges (Cont'd)**

13.3.5 **Testing Services (Cont'd)**

(C) **Rates and Charges (Cont'd)**

(1) **Switched Access (Cont'd)**

(e) **Nonscheduled Testing (NST) (Cont'd)**

Automatic Testing:

<table>
<thead>
<tr>
<th>Test Type</th>
<th>Monthly Rate (C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>To First Point of Switching</td>
<td></td>
</tr>
<tr>
<td>1004 Hz Loss, per test performed</td>
<td>$1.47 (C)</td>
</tr>
<tr>
<td>C-Message Noise, per test performed</td>
<td>1.47 (C)</td>
</tr>
<tr>
<td>Return Loss (Balance), per test performed</td>
<td>1.47 (C)</td>
</tr>
<tr>
<td>Gain-Slope, per test performed</td>
<td>1.47 (C)</td>
</tr>
<tr>
<td>C-Notched Noise, per test performed</td>
<td>1.47 (C)</td>
</tr>
</tbody>
</table>

(f) **Provision of AST Test Results to the Customer**

<table>
<thead>
<tr>
<th>Provision Details</th>
<th>Nonrecurring Charge (C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Provision of AST test results report for each trunk tested, per report provided</td>
<td>$25.00 (C)</td>
</tr>
</tbody>
</table>

(C) Indicates Change

Issued: August 30, 2000  
Effective: August 31, 2000
13. **Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)**

13.3 **Miscellaneous Charges (Cont'd)**

13.3.5 **Testing Services (Cont'd)**

(C) **Rates and Charges (Cont'd)**

(2) **Special Access**

(a) **Additional Cooperative Acceptance Testing (ACAT)**

<table>
<thead>
<tr>
<th>Testing Periods</th>
<th>First Half Hour or Fraction Thereof</th>
<th>Each Additional Half Hour or Fraction Thereof</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic time, regularly scheduled working hours, per technician</td>
<td>$30.00</td>
<td>$19.00</td>
</tr>
<tr>
<td>Overtime, outside of regularly scheduled working hours on a scheduled working day, per technician</td>
<td>38.00*</td>
<td>25.00*</td>
</tr>
<tr>
<td>Premium time, outside of scheduled working day, per technician</td>
<td>44.00*</td>
<td>30.00*</td>
</tr>
</tbody>
</table>

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

(C) Indicates Change

Issued: August 30, 2000

Effective: August 31, 2000
13. **Additional Engineering, Additional Labor and Miscellaneous Services** (Cont'd)

13.3 **Miscellaneous Charges** (Cont'd)

13.3.5 **Testing Services** (Cont'd)

(C) **Rates and Charges** (Cont'd)

(2) **Special Access** (Cont’d)

(b) **Nonscheduled Testing (NST)**

<table>
<thead>
<tr>
<th>Testing Periods</th>
<th>First Half Hour or Fraction Thereof</th>
<th>Each Additional Half Hour or Fraction Thereof</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic time, regularly scheduled working hours, per technician</td>
<td>$30.00</td>
<td>$19.00</td>
</tr>
<tr>
<td>Overtime, outside of regularly scheduled working hours on a scheduled working day, per technician</td>
<td>38.00*</td>
<td>25.00*</td>
</tr>
<tr>
<td>Premium Time, outside of scheduled working day, per technician</td>
<td>44.00*</td>
<td>30.00*</td>
</tr>
</tbody>
</table>

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

(C) Indicates Change

Issued: August 30, 2000  
Effective: August 31, 2000
13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.6 Provision of Access Service Billing Information

(A) The customer will receive its monthly bills in a standard paper format.

(B) At the option of the customer, and for an additional charge:

(1) Customer monthly bills may be provided on magnetic tape# (C)

(2) Billing detail and/or information may be transmitted to the customer premises by data transmission,

(3) Additional copies of the customer monthly bill or service and features record may be provided in standard paper format.

(C) Upon acceptance by the Telephone Company of an order for data transmission, the Telephone Company will determine the period of time to implement the transmission of such material on an individual order basis.

(D) The rates and charges for the provision of Access Service Billing Information are as follows:

<table>
<thead>
<tr>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1) Provision of Standard Billing Detail and/or Information in magnetic tape format# per record, up to 25 bytes</td>
</tr>
</tbody>
</table>

# This option is limited to existing customers receiving monthly bills or service and equipment records on magnetic tape as of March 1, 2001.

(C) Indicates Change

Issued: February 28, 2001
Effective: March 1, 2001
13. **Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)**

13.3 **Miscellaneous Services (Cont'd)**

13.3.6 **Provision of Access Service Billing Information**

(D) Rates and charges for the provision of Access Service Billing Information are as follows: (Cont'd)

<table>
<thead>
<tr>
<th>Rate</th>
<th>(C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(2) Data Transmission to a customer's premises of Billing Detail and/or Information, per record transmitted</td>
<td></td>
</tr>
<tr>
<td>ICB Rates and Charges Apply</td>
<td></td>
</tr>
<tr>
<td>(3) Additional Copies of the customer's monthly bill or service and features record in standard paper format, per page</td>
<td></td>
</tr>
<tr>
<td>ICB Rates and Charges Apply</td>
<td></td>
</tr>
</tbody>
</table>

(C) Indicates Change

Issued: August 30, 2000 Effective: August 31, 2000
ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.7 Reserved for Future Use

13.3.8 Reserved for Future Use

(C) Indicates Change

Issued: March 14, 2001

Effective: March 15, 2001
13. **Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)**

13.3 **Miscellaneous Services (Cont'd)**

13.3.9 **Telecommunications Service Priority (TSP) System**

(A) **Regulations**

1. The TSP System was developed to satisfy the requirements of the National Communications System (NCS) of the Federal Government and provides the regulatory, administrative and operational procedures authorizing the priority installation and/or priority restoration of National Security Emergency Preparedness (NSEP) telecommunications services. TSP applies only to NSEP telecommunications services, and authorizes the Telephone Company to take priority action in the provision and restoration of such services.


3. The customer requesting TSP service must be the same customer for which the associated access service is provided.

4. Certain conditions may require that one or more customer services with a lower or no restoration priority be preempted in order to install or restore NSEP telecommunications service(s) of a higher priority. When such preemption is necessary, the Telephone Company will make every reasonable effort to notify the preempted customer of the action to be taken. Credit allowances for such service preemption shall be made according to the provisions set forth in 2.4.4(E) preceding.
ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

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

(A) Regulations (Cont’d)

(5) In obtaining TSP, the customer authorizes the Telephone Company to provide certain customer record information to the Manager, NCS, of the Federal Government so that the Government can maintain and administer its TSP System. This customer record information will include only the customer’s name, TSP authorization code, Telephone Company circuit ID, customer telephone number and customer mailing address.

(6) In order to provide priority restoration service in compliance with Part 64.401, Appendix A, of the FCC’s Rules and Regulations, the Telephone Company may be unable to notify the customer in advance where additional labor charges apply, as set forth in 13.2, before the required additional labor is undertaken. The customer, in obtaining a restoration priority, recognizes that quoting charges and obtaining permission to proceed with the restoration of certain access services will cause unnecessary delays and, as a result, would be contrary to the aforementioned Rules and Regulations. In subscribing to TSP, the customer recognizes this condition and grants the Telephone Company the right to quote charges after the restoration has been completed.

(7) When an assigned restoration priority is discontinued or revoked, and the associated access service is continued in service, no charge applies for such a discontinuance.
ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

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

(A) Regulations (Cont'd)

(8) Credit allowance provisions for an interruption in priority restoration are the same as those for the access service with which it is associated, as set forth in 2.4.4 preceding.

(9) When a customer requests that a priority installation be expedited (i.e., essential and emergency services), the regulations, rates and charges set forth in 5.2.2(D) preceding for the service for which the priority installation is required shall also apply.

(10) In the event that the Telephone Company must utilize specially constructed facilities in the priority installation of an access service, the regulations, rates and charges set forth in 14, following for the service for which priority installation is required shall also apply.

(11) The activities performed by the Telephone Company in the provision of TSP are included in the following rate elements:

(a) Priority Installation - includes provision of confirmation information to the Manager, NCS, of the Federal Government, verification of TSP code assignments, and installation preemption, if necessary.

Issued: September 28, 1995  Effective: November 27, 1995
ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

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

(A) Regulations (Cont’d)

(11) (Cont’d)

(b) Priority Restoration Implementation – includes provision of confirmation information to the Manager, NCS, of the Federal Government and verification of TSP code assignment.

(c) Priority Restoration Change - includes provision of confirmation information and TSP code verification when a priority restoration level is changed on an associated access service.

(d) Priority Restoration Maintenance - includes TSP system administration and maintenance, reconciliation of TSP code levels, and restoration preemption, if necessary.


13. **Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)**

13.3 **Miscellaneous Services (Cont'd)**

13.3.9 **Telecommunications Service Priority (TSP) System (Cont'd)**

(B) **Rates and Charges**

The following rates and charges are in addition to all other rates and charges applicable for other services furnished under the provisions of this tariff which operate in conjunction with the TSP System. This includes, but is not limited to Maintenance of Service as set forth in 13.3.1 preceding.

<table>
<thead>
<tr>
<th>Monthly Rate</th>
<th>Nonrecurring Charge</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Per circuit

(1) Priority Installation *

| None | $89.00 |

(2) Priority Restoration Implementation or Change *

| None | 48.65 |

(3) Priority Restoration Maintenance and Administration

| $22.20 | None |

* When an access service is ordered with both Priority Installation and Priority Restoration the associated nonrecurring charge for each applies.

(C) Indicates Change

Issued: April 16, 2001

Effective: April 17, 2001
13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.10 IntraLATA Toll Presubscription

(A) Presubscription is a procedure whereby an end user may select and designate an intraLATA toll provider (ITP) for access for intraLATA toll calls without dialing an access code. The end user may designate an ITP for intraLATA toll, a different carrier for interLATA toll, or the same carrier for both. This ITP is referred to as the end user's preferred intraLATA toll provider.

Each carrier will have one or more access codes assigned to it for various types of service. When an end user selects a carrier as its preferred intraLATA toll provider, only one access code of that carrier may be incorporated into the switching system of the Telephone Company permitting access to that carrier by the end user without dialing an access code. Should the same end user wish to use other services of the same carrier, it will be necessary for the end user to dial the necessary access code(s) to reach that carrier’s other service(s).

An ITP must use Feature Group D (FGD) Switched Access Service to qualify as an intraLATA toll provider. All intraLATA toll providers must submit an Access Service Request (ASR) prior to the intraLATA toll presubscription conversion date or prior to the date on which the carrier proposes to begin participating in toll presubscription.

Selection of an intraLATA toll provider by an end user is subject to the terms and conditions following.

(B) At the option of the ITP, the nonrecurring charge for a change in intraLATA toll presubscription, as provided in (G) following, may be billed to the ITP, instead of the end user.

This option for the ITP to be billed for the PIC change charge instead of the end user is not available for orders placed directly with the Telephone Company’s Business Offices.

(C) Indicates Change

Issued: March 13, 2001 Effective: March 14, 2001
13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.10 IntraLATA Toll Presubscription (Cont'd)

(C) Presubscription Charge Application

(1) Reserved for Future Use

(2) New end users who subscribe to service after the presubscription implementation date (including an existing customer who orders an additional line) will be asked to select a primary ITP when they place an order for Telephone Company Exchange Service. If a customer cannot decide upon an intraLATA toll carrier at the time, the customer will have 30 days following completion of the service request to make an intraLATA PIC choice without charge. In the interim, the customer will be assigned a 'No-PIC' and will have to dial a Carrier Access Code (CAC) to make intraLATA toll calls. The free selection period available to new end users is the period within 30 days of installation of new service.
13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.10 IntraLATA Toll Presubscription (Cont'd)

(C) (Cont'd)

Initial free selections available to new end users are:

- Designate an ITP as their primary carrier thereby requiring no CAC to access that ITP’s service. Other carriers are accessed by dialing 101XXXX, or other required CACs.

- Choose no carrier as a primary carrier thus requiring 101XXXX CAC dialing to access all ITPs. This choice can be made by directly contacting the Telephone Company. In addition, new end users that do not select a preferred carrier will be assigned a 'No-PIC'.

Following a new end user’s initial free selection, any subsequent selection made following implementation of intraLATA toll presubscription is subject to a nonrecurring charge as set forth in (G) following.

(3) If an ITP elects to discontinue Feature Group D service after implementation of the intraLATA toll presubscription option, the ITP is obligated to contact, in writing, all end users who have selected the canceling ITP as their preferred intraLATA toll provider. The ITP must inform the end users that it is canceling its Feature Group D service, request that the end user select a new ITP, and state that the canceling ITP will pay the PIC change charge as provided in G.1 following. The ITP must provide written notification to the Telephone Company that this activity has taken place.

For a period of two years following the ITP’s discontinuance of Feature Group D service, the Telephone Company will bill the canceling ITP the change charge for each end user that is currently designated to the ITP at the time of discontinuance.

(4) An unauthorized PIC change is a change in the presubscribed intraLATA toll provider that the end user denies authorizing. PIC disputes for end users are resolved through an investigative process.

(C) Indicates Change

Issued: March 13, 2001
Effective: March 14, 2001
13. **Additional Engineering, Additional Labor and Miscellaneous Services** (Cont'd)

13.3 **Miscellaneous Services** (Cont'd)

13.3.10 **IntraLATA Toll Presubscription** (Cont'd)

(D) **Unauthorized PIC Carrier Selection**

An Unauthorized PIC Carrier Restoration is a change in the preferred PIC assignment that the end user or agent denies authorizing. If an end user or agent denies requesting the change in PIC assignment as submitted by the IC, the alleged unauthorized IC will be assessed the PIC change charge as set forth in 13.3.3(G) for the following:

- Changing the end user or agent to the disputed IC, and;
- Placing the end user or agent back on their previous IC’s network.

(C) Indicates Change

Issued: March 13, 2001  Effective: March 14, 2001
13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.10 IntraLATA Toll Presubscription (Cont'd)

(E) Reserved for Future Use

(C) Indicates Change

Issued: March 13, 2001                  Effective: March 14, 2001
13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.10 IntraLATA Toll Presubscription (Cont'd)

(F) Reserved for Future Use

(G) Rates and Charges

<table>
<thead>
<tr>
<th>RATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>The charge for a change in IntraLATA Toll Presubscription $ 5.00</td>
</tr>
</tbody>
</table>

(C) Indicates Change

Issued: March 13, 2001 Effective: March 14, 2001
13. **Additional Engineering, Additional Labor and Miscellaneous Services** (Cont'd)

13.3 **Miscellaneous Services** (Cont'd)

This page is reserved for future use. (C)

(C) Indicates Change

Issued: March 13, 2001

Effective: March 14, 2001
14. Special Construction

14.1 General

This section contains regulations, rates, charges and liabilities applicable for the special construction of intrastate facilities.

When special construction of facilities is required, the provisions of this tariff apply in addition to all regulations, rates and charges set forth in the appropriate service section of this tariff.

14.2 Regulations

14.2.1 Filing of Charges

Rates, charges and liabilities for special construction to provide facilities for use for one month or more are filed in Sections 14.3, 14.4, and 14.5, following, as appropriate.

Rates, charges and liabilities for the construction of facilities for use for less than one month are filed in supplements to this tariff.

14.2.2 Ownership of Facilities

The Telephone Company providing specially constructed facilities under the provisions of this tariff retains ownership of all such facilities.

14.2.3 Interval to Provide Facilities

Based on available information and the type of service ordered, the Telephone Company will establish a completion date for the specially constructed facilities. If the scheduled completion date cannot be met due to circumstances beyond the control of the Telephone Company, a new completion date will be established and the customer will be notified.
14. **Special Construction** (Cont'd)

14.2 **Regulations** (Cont’d)

14.2.4 **Special Construction Involving Both Interstate and Intrastate Facilities**

When special construction involves facilities to be used to provide both interstate and intrastate services, charges for the portion of the construction used to provide intrastate service shall be in accordance with this tariff. Charges for the portion of the construction used to provide interstate service shall be in accordance with the appropriate interstate tariff.

14.2.5 **Payments for Special Construction**

14.2.5.1 **Payment of Charges**

All bills associated with special construction charges are due in accordance with the regulations in the appropriate service section of this tariff.

14.2.5.2 **Start/End of Billing**

Billing of recurring charges for specially constructed facilities starts on the day after the facilities are made available for use. Billing accrues through and includes the day that the specially constructed facilities are discontinued.

14.2.5.3 **Reserved for Future Use**
14. Special Construction (Cont’d)

14.2 Regulations (Cont’d)

14.2.5 Payments for Special Construction (Cont’d)

14.2.5.4 Credit Allowance for Service Interruptions

In the event of a service interruption involving a specially constructed facility, the customer shall receive a recurring monthly charge credit in accordance with the credit allowance provision in the appropriate service section of this tariff associated with the affected services.

When an interruption continues due to the failure of the customer to authorize the replacement of facilities subject to a Replacement Charge, as specified, in 14.2.6.4(B)(4) following, the credit allowance will be terminated on the seventh calendar day after the Telephone Company has provided the customer with written notification of the need for replacement. The credit allowance will resume on the day after the Telephone Company receives written authorization for the replacement from the customer.

14.2.6 Liabilities and Charges for Special Construction

14.2.6.1 General

This section describes the various charges and liabilities that may apply when the Telephone Company provides special construction of facilities in accordance with an order for service. Written approval of all liabilities and charges must be provided to the Telephone Company prior to the start of construction.
14. Special Construction (Cont’d)

14.2 Regulations (Cont’d)

14.2.6 Liabilities and Charges for Special Construction (Cont’d)

14.2.6.2 Conditions Requiring Special Construction

Special construction is required when 1) facilities are not available to meet an order for service, and 2) the Telephone Company constructs facilities, and 3) one or more of the following conditions exist:

- The Telephone Company has no other requirement for the facilities requested.
- It is requested that service be furnished using a type of facility, or via a route, other than that which the Telephone Company would normally utilize in furnishing the requested service.
- More facilities are requested than would normally be required to satisfy an order.
- It is requested that construction be expedited, resulting in added cost to the Telephone Company.

14.2.6.3 Development of Liabilities and Charges

Special construction charges and liabilities will be developed based on estimated costs, except when actual costs are requested in writing prior to the start of special construction.

In order to meet a scheduled service date when actual costs are requested, an initial special construction filing may be based on estimated costs. Such a filing will be revised when actual costs are available.
14. Special Construction (Cont’d)

14.2 Regulations (Cont’d)

14.2.6 Liabilities and Charges for Special Construction (Cont’d)

14.2.6.4 Types of Liabilities and Charges (Cont’d)

Depending on the specifics associated with each individual case, one or more of the following special construction charges and/or liabilities may be applicable:

(A) Reserved for Future Use

(B) Nonrecurring Charge

A nonrecurring charge always applies and includes one or more of the following components:

(1) Case Preparation Charge

A nonrecurring charge always includes a case preparation charge component to cover the administrative expenses associated with preparing a special construction case and the associated tariff filing.

(2) Expediting Charge

A nonrecurring charge may include an expediting charge when it is requested that special construction be completed on an expedited basis. The charge equals the difference in estimated cost between expedited and nonexpedited construction.
14. **Special Construction** (Cont’d)

14.2 **Regulations** (Cont’d)

14.2.6 **Liabilities and Charges for Special Construction** (Cont’d)

14.2.6.4 **Types of Liabilities and Charges** (Cont’d)

(B) **Optional Payment**

(3) **Nonrecurring Charge** (Cont’d)

An optional payment charge may be included in the nonrecurring charge in association with a type of facility or route other than that which the Telephone Company would normally use in furnishing the requested service if lower recurring monthly charges are desired for the specially constructed facilities. This charge is equal to the excess installed cost or the total nonrecoverable cost, whichever is less. This election must be made in writing before special construction starts. If this election is coupled with the actual cost option, the optional payment charge will reflect the actual cost of the specially constructed facilities.

(4) **Replacement Charge**

If any portion of specially constructed facilities for which an optional payment charge has been paid requires replacement involving capital investment, a replacement charge will apply. This charge will be in the same ratio to the total replacement cost as the initial optional payment charge was to the installed cost of the original specially constructed facilities. If any portion of the facilities subject to the replacement charge fails, service will not be restored until notification is provided in writing that replacement is required and such replacement is ordered.
14. Special Construction (Cont’d)

14.2 Regulations (Cont’d)

14.2.6 Liabilities and Charges for Special Construction (Cont’d)

14.2.6.4 Types of Liabilities and Charges (Cont’d)

(B) Nonrecurring Charge (Cont’d)

(5) Rearrangement Charge

If the Telephone Company is requested to rearrange existing specially constructed facilities, a nonrecurring charge component equal to the cost of rearrangement will apply.

(6) Special Construction of Facilities for Use for less than One Month

When the Telephone Company is requested to construct facilities to provide service for less than one month, a nonrecurring charge only applies. In addition to the case preparation charge component, this nonrecurring charge recovers all elements of cost, including engineering, shipping of equipment, equipment installation, line-up, equipment leasing, space rental, equipment removal, and any other costs associated with the construction of the facilities.

(C) Maximum Termination Liability and Termination Charge

A maximum Termination Liability is equal to the nonrecoverable costs associated with specially constructed facilities and is the maximum amount which could be applied as a Termination Charge if all specially constructed facilities were discontinued before the Maximum Termination Liability expires.
14. Special Construction (Cont'd)

14.2 Regulations (Cont'd)

14.2.6 Liabilities and Charges for Special Construction (Cont'd)

14.2.6.4 Types of Liabilities and Charges (Cont'd)

(C) Maximum Termination Liability and Termination Charge (Cont'd)

The liability period is equal to the average life of the account associated with the specially constructed facilities. The liability period is generally expressed in terms of an effective and expiration date.

The Maximum Termination Liability is filed with the initial tariff filing in decreasing amounts at ten-year intervals over the average account life of the facilities. In the event that the average account life of the facilities is not an even multiple of ten, the last increment will reflect the appropriate number of years remaining.

Example Illustrating a 27-Year Average Account Life

<table>
<thead>
<tr>
<th>Maximum Termination Liability</th>
<th>Effective Date</th>
<th>Expiration Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>$10,000</td>
<td>6/1/84</td>
<td>6/1/94</td>
</tr>
<tr>
<td>7,000</td>
<td>6/1/94</td>
<td>6/1/04</td>
</tr>
<tr>
<td>3,000</td>
<td>6/1/04</td>
<td>6/1/11</td>
</tr>
</tbody>
</table>
14. Special Construction (Cont'd)

14.2 Regulations (Cont'd)

14.2.6 Liabilities and Charges for Special Construction (Cont'd)

14.2.6.4 Types of Liabilities and Charges (Cont'd)

(C) Maximum Termination Liability and Termination Charge (Cont'd)

Prior to the expiration of each liability period, the customer has the option to (A) terminate the special construction case and pay the appropriate charges, or (B) extend the use of the specially constructed facilities for the new liability period.

The Telephone Company will notify the customer six months in advance of the expiration date of each ten-year liability period. The customer must provide the Telephone Company with written notification at least 30 days prior to the expiration of the liability period if termination is elected. Failure to do so will result in an automatic extension of the special construction case to the next liability period at the filed Maximum Termination Liability amount.
14. **Special Construction** (Cont’d)

14.2 **Regulations** (Cont’d)

14.2.6 **Liabilities and Charges for Special Construction** (Cont’d)

14.2.6.4 **Types of Liabilities and Charges** (Cont’d)

(C) **Maximum Termination Liability and Termination Charge** (Cont’d)

A Termination Charge may apply when all services using specially constructed facilities which have a tariffed Maximum Termination Liability are discontinued prior to the expiration of the liability period. The charge reflects the unamortized portion of the nonrecoverable costs at the time of termination, adjusted for net salvage and possible reuse. Administrative costs associated with the specific case of special construction and any cost for restoring a location to its original condition are also included. A Termination Charge may never exceed the filed Maximum Termination Liability.

A partial termination of specially constructed facilities will be provided, at the election of the customer. The amount of the Termination Charge associated with such partial termination is determined by multiplying the termination charge which would result if all services using the specially constructed facilities were discontinued, at the time partial termination is elected, by the percentage of specially constructed facilities to be partially terminated. A tariff filing will be made following a partial termination to list remaining Maximum Termination Liability amounts and the number of specially constructed facilities the customer will remain liable for.
14. Special Construction (Cont'd)

14.2 Regulations (Cont’d)

14.2.6 Liabilities and Charges for Special Construction (Cont’d)

14.2.6.4 Types of Liabilities and Charges (Cont’d)

(C) Maximum Termination Liability and Termination Charge (Cont’d)

Example

A customer with a filed Maximum Termination Liability of $100,000 for 3600 specially constructed facilities requests a partial termination of 900 facilities. The Termination Charge for all facilities, at the time of election, is $60,000. The partial termination charge, in this example, is $60,000 x 900/3600, or $15,000.

(D) Annual Underutilization Liability and Underutilization Charge

Prior to the start of special construction, the Telephone Company and the customer will agree on (1) the quantity of facilities to be provided, and (2) the length of the planning period during which the customer expects to place the facilities in service. The planning period is hereinafter referred to as the Initial Liability Period (ILP). The ILP is listed in the tariff with an effective and expiration date.

Underutilization occurs only if, at the expiration date of the ILP and annually thereafter, less than 70 percent of the specially constructed facilities are in service at filed tariff service rates.
14. **Special Construction** (Cont’d)

14.2 **Regulations** (Cont’d)

14.2.6 **Liabilities and Charges for Special Construction** (Cont’d)

14.2.6.4 **Types of Liabilities and Charges** (Cont’d)

**D**  
Annual Underutilization Liability and Underutilization Charge (Cont’d)

An annual underutilization liability amount is filed on a per unit basis (e.g., per cable pair) for each case of special construction. This amount is equal to the annual per unit cost and includes depreciation, maintenance, administration, return, taxes and any other costs identified in the supporting documentation provided at the time the special construction case is filed.

Upon the expiration of the ILP, the number of underutilized facilities, if any, are multiplied by the annual underutilization liability amount. This product is then multiplied by the number of years (including any fraction thereof) in the ILP to determine the underutilization charge.

Annually thereafter, the number of underutilized facilities, if any, existing on the anniversary of the ILP expiration date will be multiplied by the annual under utilization liability amount to determine the underutilization charge for the preceding 12 month period.
14. **Special Construction** (Cont'd)

14.2 **Regulations** (Cont'd)

14.2.6 **Liabilities and Charges for Special Construction** (Cont'd)

14.2.6.4 **Types of Liabilities and Charges** (Cont'd)

(D) **Annual Underutilization Liability and Underutilization Charge** (Cont'd)

**Example**

A customer orders 100 services and the special construction of a 600 pair building riser cable is agreed to, based on the customer's 5 year facility requirements. The ILP, in this example, would be filed at 5 years. The annual underutilization liability is filed at $2.00 per pair. If 400 pairs were in service at the end of the ILP, there would be an underutilization of 20 pairs, i.e., 420 (70% of 600) - 400 + 20. The total underutilization charge for the first 5 years would be $200.00, or $2.00 per pair x 20 pairs x 5 years.

If 420 pairs are in service at the end of the 6th year, there is no underutilization, i.e., 420 - 420 = 0.

(E) **Recurring Monthly Charges**

(1) **Reserved for Future Use**
14. **Special Construction** (Cont’d)

14.2 **Regulations** (Cont’d)

14.2.6 **Liabilities and Charges for Special Construction** (Cont’d)

14.2.6.4 **Types of Liabilities and Charges** (Cont’d)

(E) **Recurring Monthly Charges** (Cont’d)

(2) **Charge for Route or Type other than Normal**

When special construction is requested using a route or type of facility other than that which the Telephone Company would normally use, a recurring monthly charge, in addition to the monthly rates for service, is applicable. The charge is equal to the difference between the recurring costs of the specially constructed facilities and the recurring costs of the facilities the Telephone Company would have normally used.

(a) When an Optional Payment Charge as set forth in 14.2.6.4(B)(3) preceding has been elected, the recurring monthly charge will be reduced to include specially constructed facility operating expenses only.

(b) If the actual cost option as set forth in 14.2.6.3 preceding has been elected, the recurring charge will be adjusted to reflect the actual cost of the new construction when the costs have been determined. This adjusted recurring charge is applicable from the start of service.
14. Special Construction (Cont'd)

14.2 Regulations (Cont'd)

14.2.6 Liabilities and Charges for Special Construction (Cont'd)

14.2.6.4 Types of Liabilities and Charges (Cont'd)

(F) Lease Charge

This charge applies when the Telephone Company leases equipment in order to meet service requirements. The amount of the charge is equal to the net added cost to the Telephone Company caused by the lease.

(G) Cancellation Charge

If a service order with which special construction is associated is cancelled prior to the start of service, a cancellation charge will apply. The charge will include all nonrecoverable costs incurred by the Telephone Company in association with the special construction up to and including the time of cancellation.
14. Special Construction (Cont’d)

14.2 Regulations (Cont’d)

14.2.7 Deferral of Start of Service

The Telephone Company may be requested to defer the start of service which will use specially constructed facilities subject to the provisions set forth in the service section of this tariff under which service is being provided. Requests for special construction deferral must be in writing and are subject to the following regulations:

14.2.7.1 Construction Has Not Begun

If the Telephone Company has not incurred any installation costs before receiving a request for deferral, no charge applies.

14.2.7.2 Construction Has Begun

If the construction of facilities has begun before the Telephone Company receives a request for deferral, charges will vary as follows:

(A) All Services Are Deferred

When all services which will use specially constructed facilities are deferred, a charge based on the costs incurred by the Telephone Company during each month of the deferral will apply. Those costs include the recurring costs for that portion of the facilities already completed and any other costs associated with the deferral. The cost of any components of the nonrecurring charge which have been completed at the time of deferral will also apply.
14. Special Construction (Cont’d)

14.2 Regulations (Cont’d)

14.2.7 Deferral of Start of Service (Cont’d)

14.2.7.2 Construction Has Begun (Cont’d)

(B) Some Services Are Deferred

When some services which will use the specially constructed facilities are deferred, the construction case will be completed and all special construction charges will apply.

14.2.7.3 Construction Complete

If the construction of facilities has been completed before the Telephone Company receives a request for deferral, all special construction charges will apply.

14.2.8 Definitions

Actual Cost - The term “Actual Cost” denotes all costs charged against a specific case of special construction, including any appropriate taxes.

Annual Underutilization Liability - The term “Annual Underutilization Liability” denotes a per unit amount which may be billed annually if fewer services are in use utilizing specially constructed facilities at filed tariff rates than were originally specially constructed.

Estimated Cost - The term “Estimated Cost” denotes all estimated costs that will be incurred in providing a specific case of special construction, including any appropriate taxes.
14. **Special Construction** (Cont’d)

14.2 **Regulations** (Cont’d)

14.2.8 **Definitions** (Cont’d)

*Facilities* - The term "Facilities" denotes any cable, poles, conduit, microwave or carrier equipment, wire center distribution frames, central office switching equipment, etc., utilized to provide intrastate services.

*Initial Liability Period* - The term "Initial Liability Period" denotes the initial planning period during which the customer expects to place specially constructed facilities in service.

*Installed Cost* - The term "Installed Cost" denotes the total investment (estimated or actual) required by the Telephone Company to provide specially constructed facilities.

*Maximum Termination Liability* - The term "Maximum Termination Liability" denotes the maximum amount which may be billed if all services using specially constructed facilities are terminated prior to the expiration of the Maximum Termination Liability Period.

*Maximum Termination Liability Period* - The term "Maximum Termination Liability Period" denotes the length of time for which a termination charge may apply if all services using specially constructed facilities are terminated.

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

(C) Indicates Change

Issued: July 20, 2000  Effective: July 21, 2000
14. Special Construction (Cont’d)

14.2 Regulations (Cont’d)

14.2.8 Definitions (Cont’d)

Nonrecoverable Cost - The term “Nonrecoverable Cost” denotes the cost of specially constructed facilities for which the Telephone Company has no foreseeable use should the service be terminated.

Normal Construction - The term “Normal Construction” denotes all facilities the Telephone Company would normally use to provide service in the absence of a requirement for special construction.

Normal Cost - The term “Normal Cost” denotes the estimated cost to provide services using normal construction.

Permanent Facilities - The term “Permanent Facilities” denotes facilities providing service for one month or more.

Recoverable Cost - The term “Recoverable Cost” denotes the cost of the specially constructed facilities for which the Telephone Company has a foreseeable reuse, either in place or elsewhere, should the service be terminated.

Termination Charge - The term “Termination Charge” denotes the portion of the Maximum Termination Liability that is applied as a nonrecurring charge when all services are discontinued prior to the expiration of the specified liability period.

14.2.9 Reserved for Future Use
14. **Special Construction (Cont'd)**

14.2 **Regulations (Cont'd)**

14.2.10 **Charges to Provide Permanent Facilities to the Federal Government**

This section contains special construction charges to provide permanent facilities to the Federal Government in accordance with this tariff. Charges are developed on an individual case basis and are filed following:

14.2.11 **Charges to Provide Permanent Facilities Other Than to the Federal Government**

This section contains special construction charges to provide permanent facilities other than to the Federal Government in accordance with this tariff. Charges are developed on an individual case basis and are filed following:
ACCESS SERVICE

15. Common Channel Signaling/Signaling System 7 (CCS/SS7) Data Base Services

15.1 Line Information Data Base (LIDB) Access Service

15.1.1 General

Line Information Data Base (LIDB) Access Service provides the customer the ability to access billing validation data contained on the Telephone Company's LIDB located in Johnson City, Tennessee and Bristol, Tennessee. The LIDB is accessed through the Telephone Company SS7 network which utilizes American National Standards Institute (ANSI) signaling protocol. Access to the Telephone Company's LIDB provides customers the ability to provide toll fraud protection by validating calling card and toll billing exception data and performing public telephone checks.

15.1.2 Description

LIDB Access Service is provided by the Telephone Company to its customers in support of alternate billing services. LIDB Access Service provides access to billing validation data which resides on the Telephone Company data base for use with alternate billing services. Alternate billing services allow customer's end users the ability to bill calls to an account not necessarily associated with the originating line. LIDB Access Service supports alternate billing services such as Calling Card, Collect Calls, and Third Number Billing.

Customers participating in LIDB Access Service for purposes of obtaining billing validation data, which resides on the Telephone Company data base, originate queries to the LIDB from an operator services system (OSS) identified by an originating point code (OPC). The LIDB query is routed through one of two Telephone Company interconnecting Signaling Transfer Points (STPs), located in Johnson City, Tennessee and Bristol, Tennessee, to the Telephone Company Regional Service Control Point (SCP) where the LIDB resides as provided for in the CenturyLink Operating Companies Tariff F.C.C. No. 9.

(C) Indicates Change

Issued: May 24, 2011
Effective: May 25, 2011
ACCESS SERVICE

15.  Common Channel Signaling/Signaling System 7 (CCS/SS7) Data Base Services (Cont'd)

15.1  Line Information Data Base (LIDB) Access Service (Cont'd)

15.1.2  Description (Cont'd)

The requested billing validation data, in the form of signaling information, is passed back via either one of the two Telephone Company interconnecting STPs to the customer’s designated OSS where the LIDB query was originated. The Telephone Company LIDB will receive and respond to Calling Card Service and Billed Number Screening queries as defined in Technical Reference Publications GR-246, FR-271, GR-905 and GR-954.

LIDB Access Service will provide the following functions on a per query basis:

- Validation of a telecommunications calling card stored on LIDB.

- Determination of whether the billed line automatically rejects certain calls billed as collect or third number.

- Determination of whether the billed line in the Billed Number Screening Query is a public telephone number using the "Service or Equipment Indicator" in the LIDB.

All access to the Telephone Company’s LIDB will occur through two telephone Company interconnecting STPs located in Johnson City, Tennessee and Bristol, Tennessee. The Telephone Company will provide customer interconnection to the Telephone Company interconnecting STPs through its Common Channel Signaling/Signaling System 7 (CCS/SS7) Interconnection Service provided for in the CenturyLink Operating Companies Tariff F.C.C. No. 9.  

(C) Indicates Change

Issued: May 24, 2011  Effective: May 25, 2011
ACCESS SERVICE

15. **Common Channel Signaling/Signaling System 7 (CCS/SS7) Data Base Services** (Cont'd)

15.1 Line Information Data Base (LIDB) Access Service (Cont'd)

15.1.2 Description (Cont'd)

(A) **Limitations**

Unless expressly authorized in writing by the customer and the Telephone Company, LIDB Access Service is not to be used for purposes other than those LIDB functions described in 15.1.2 preceding. LIDB Access Service is to be used for those services only on a call-by-call basis and data accessed on LIDB may not be stored elsewhere for future use.

Proprietary information resident in the Telephone Company LIDB is protected from unauthorized access and may not be stored in a customer's data base for any reason. All information related to alternate billing services is proprietary. Some examples of proprietary information are as follows:

- Billed Number (resides in the Telephone Company LIDB)
- PIN Number(s) (resides in the Telephone Company LIDB)
- Billed Number Screening (BNS) indicators (resides in the Telephone Company LIDB)
- Reports on LIDB usage
- Information related to billing for LIDB usage
- LIDB usage statistics

(C) Indicates Change

Issued: August 23, 2001

Effective: August 24, 2001
ACCESS SERVICE

15. Common Channel Signaling/Signaling System 7 (CCS/SS7) Data Base Services (Cont'd)  

15.1 Line Information Data Base (LIDB) Access Service (Cont'd)  

15.1.2 Description (Cont'd)

(B) Rate Categories

There are two basic elements which apply to LIDB Access Service: Query Transport and Query.

(1) Query Transport

The Query Transport rate element provides for the transmission facilities between the Telephone Company’s STPs located in Johnson City, Tennessee and Bristol, Tennessee and the Telephone Company SCP where the LIDB resides.

(2) Query

The Query rate provides for the validation of calling card and toll billing exception data. For these validation purposes, LIDB Access Service customers will query the LIDB located in the Telephone Company SCP via the Telephone Company CCS/SS7 network. The LIDB will respond with a verification signal message back to the LIDB Access Service customer via the Telephone Company CCS/SS7 network.

The charges associated with Query Transport and Query are set forth in 15.1.6 following.

(C) Acceptance Testing

The Telephone Company will perform testing of the LIDB Access Service in conjunction with CCS/SS7 Interconnection Service as outlined in Technical Reference Publications GR-905 and GR-954.
15. Common Channel Signaling/Signaling System 7 (CCS/SS7) Data Base Services (Cont'd)

15.1 Line Information Data Base (LIDB) Access Service (Cont'd)

15.1.2 Description (Cont'd)

(D) Ordering Options and Conditions

LIDB Access Service is ordered under the Access Order provisions set forth in Section 5. preceding. Also, included in that section are other charges which may be associated with ordering LIDB Access Service (e.g., Service Date Change Charges).

15.1.3 Undertakings of the Telephone Company

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

(A) LIDB Data Specifications

The Telephone Company's LIDB will contain a record for every working line number and Billed Number group, served by the Telephone Company. Other exchange carriers who may store their data in the Telephone Company LIDB are requested to provide this data as well.

The Telephone Company will administer its LIDB update process by use of a Data Base Administration System (DBAS). Updates contain information for calling card, collect and bill-to-third party Alternate Billing Services (ABS) verification.
15. Common Channel Signaling/Signaling System 7 (CCS/SS7) Data Base Services (Cont'd)

15.1 Line Information Data Base (LIDB) Access Service (Cont'd)

15.1.3 Undertakings of the Telephone Company (Cont'd)

(A) LIDB Data Specifications (Cont'd)

The Telephone Company generates customer record service order update activity which is electronically transferred to LIDB from the DBAS system. Mechanized updates (e.g. add, delete, modify customer accounts as customers move, order new service, disconnect service, or become delinquent on their account) are processed daily, 6 days per week, Monday through Saturday. Emergency updates for calling cards reported lost, stolen or otherwise compromised will be made 7 days per week, 24 hours per day.

ABS query usage within LIDB is monitored for unusual patterns which may be indicators of abuse or attempted fraud. By using a threshold method, when validation queries for a specific LIDB record reach the Telephone Company established usage threshold level, the number is placed on an exception list and an investigator will determine the validity of the usage. If the usage is determined to be invalid, the investigator will immediately deactivate the record in LIDB.

Usage thresholds will be established by the Telephone Company. Threshold may vary by class of end user account (e.g., residence, business). Usage thresholds are applied uniformly within LIDB, and will monitor combined query usage from all LIDB Access Service Customers.
15. Common Channel Signaling/Signaling System 7 (CCS/SS7) Data Base Services (Cont'd)

15.1 Line Information Data Base (LIDB) Access Service (Cont'd)

15.1.3 Undertakings of the Telephone Company (Cont'd)

(A) LIDB Data Specifications (Cont'd)

The Telephone Company will also establish usage thresholds which, when met by query activity to a calling card record, will automatically disable the record in LIDB. The number is placed on an exception list and an investigator will determine validity of the usage. If a calling card is automatically disabled and the usage is determined valid, the calling card will be reactivated in LIDB.

The Telephone Company will administer its LIDB to insure the provision of acceptable service levels to all customers. During periods of LIDB congestion, an automatic call gapping procedure will be utilized to control such congestion. The automatic call gapping procedure signals the switch and identifies the gap (how long the switch should wait before sending another query) and the duration (how long the switch should continue to perform gapping) according to the level of congestion. For example, during an overload condition, the automatic call gapping procedure will signal the switch when to begin to drop one out of three of the queries received. This call gapping procedure will be applied uniformly to all users of the Telephone Company's LIDB service.

The Telephone Company maintains the right to invoke manual intervention of the automatic call gapping procedure to preserve the integrity of the network.
15. **Common Channel Signaling/Signaling System 7 (CCS/SS7) Data Base Services** (Cont'd)

15.1 **Line Information Data Base (LIDB) Access Service** (Cont'd)

15.1.3 **Undertakings of the Telephone Company** (Cont'd)

**B) Provision of Billing Information**

LIDB Access Service Queries received at the SCP are accumulated and records are generated identifying the number of queries processed by the originating point code (OPC) of the customer's Operator Service System (OSS) location. This information is delivered to the accounting office via tape or by teleprocessing for processing and billing. The query charges will be accumulated and billed to the LIDB Access Service customer each month.

The Telephone Company will provide sufficient information with the bill to enable the customer to determine how the billed amount was calculated. Included on the bill will be separate entries displaying the Billed Number Screening queries and the Calling Card Number queries.

Other reports may be provided as mutually agreed upon. Such agreements, provided on an individual case basis, may involve additional charges or conditions.
15. Common Channel Signaling/Signaling System 7 (CCS/SS7) Data Base Services (Cont'd)

15.1 Line Information Data Base (LIDB) Access Service (Cont'd)

15.1.4 Obligations of the Customer

In addition to the obligations of the customer set forth in Section 2 preceding, the customer has certain specific obligations pertaining to the use of the LIDB Access Service. These obligations are as follows:

(A) LIDB Access Service PIU Report

The customer shall provide to the Telephone Company a LIDB Access Service Percent Intrastate Usage (PIU) Report in accordance with the provisions specified in Section 2.3.14 preceding.

15.1.5 Rate Regulations

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

(A) Description of Rates and Charges

There are two types of rates and charges that will apply to LIDB Access Service. These are usage rates and nonrecurring charges. These rates and charges are applied as set forth in (1) and (2) following. For billing purposes, each month is considered to have 30 days.
15. Common Channel Signaling/Signaling System 7 (CCS/SS7) Data Base Services (Cont'd)

15.1 Line Information Data Base (LIDB) Access Service (Cont'd)

15.1.5 Rate Regulations (Cont'd)

(A) Description of Rates and Charges (Cont'd)

(1) Usage Rates

The usage rates (Query Transport and Query) for LIDB Access Service are applicable on a per query basis as described in (B) following.

(2) Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for a specific activity (i.e., installation or change to an existing service). The nonrecurring charges that apply for installation of LIDB Access Service are described in (a) following. The nonrecurring charges that apply for service rearrangements are described in (b) following.

(a) Establishment of Service

Nonrecurring charges apply for each request for establishment of LIDB Access Service. The nonrecurring charges for the establishment of LIDB Access Service are set forth in Section 5.2 preceding.
15. Common Channel Signaling/Signaling System 7 (CCS/SS7) Data Base Services (Cont'd)

15.1 Line Information Data Base (LIDB) Access Service (Cont'd)

15.1.5 Rate Regulations (Cont'd)

(A) Description of Rates and Charges (Cont'd)

(2) Nonrecurring Charges (Cont'd)

(b) Service Rearrangements

Service Rearrangements are changes to existing services which do not result in either a change in the minimum period requirements as set forth in Section 5.2.6 preceding or a change in the location designated by the OPC.

Changes which result in the establishment of new minimum period obligations are treated as a discontinuance of the existing service and establishment of a new service and all applicable nonrecurring charges will apply.

Certain service rearrangements which are administrative in nature (as specified in Section 6.7.1(C)(3) preceding will be made without charge except as noted.

Provisions for service rearrangements for which nonrecurring charges will apply are also set forth in Section 6.7.1(C)(3) preceding.
15. **Common Channel Signaling/Signaling System 7 (CCS/SS7) Data Base Services** (Cont'd)

15.1 **Line Information Data Base (LIDB) Access Service** (Cont'd)

15.1.5 **Rate Regulations** (Cont'd)

(B) **Application of Rates and Charges**

Rates and charges for LIDB Access Service are applied as follows:

1. **Query Transport**

   Query Transport is a usage rate charge which applies to each query routed over transmission facilities between the Telephone Company’s STPs in Johnson City, Tennessee and Bristol, Tennessee and the Telephone Company SCP where the LIDB resides. These charges are applied on a per query basis, and are accumulated over a monthly period and billed to the customer on a monthly basis.

2. **Query**

   A usage rate Query Charge applies to each LIDB query received at the Telephone Company Service Control Point (SCP). Per query charges are accumulated over a monthly period and are billed to the customer on a monthly basis.
15. **Common Channel Signaling/Signaling System 7 (CCS/SS7) Data Base Services** (Cont'd)

15.1 **Line Information Data Base (LIDB) Access Service** (Cont'd)

15.1.5 **Rate Regulations** (Cont'd)

(C) **Minimum Periods**

LIDB Access Service is provided for a minimum of one month. When service is disconnected prior to the expiration of the minimum period, usage charges are applicable for the balance of the minimum period. If service is disconnected after the minimum period, usage charges will be based on the actual number of queries. For the purpose of administering this regulation, with respect to the determination of charges for a fractional part of a month, every month is considered to have 30 days.
15. **Common Channel Signaling/Signaling System 7 (CCS/SS7) Data Base Services** (Cont'd)

15.1 **Line Information Data Base (LIDB) Access Service** (Cont'd)

15.1.6 **Rates and Charges**

<table>
<thead>
<tr>
<th>(A)</th>
<th>Query Transport</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>per query</td>
<td>$0.0016</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>(B)</th>
<th>Query</th>
<th>Rate</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>per query</td>
<td>$0.0366</td>
</tr>
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</table>

(C) Indicates Change

Issued: August 30, 2000  
Effective: August 31, 2000
ACCESS SERVICES

16. Operator Services [1]

16.1 Operator Service Description

Operator Services includes the service category of Operator Transfer. Operator Transfer Service is provided from OSS Tandems to the customer’s premises in conjunction with the rules and regulations of the specified Access Services found in Sections 2, 3, 5, and 6 preceding. Operator Services are available at all Telephone Company end offices however may be unavailable in certain LATAs due to the existing trunking arrangements. In locations where the provider of Operator Services is not the Telephone Company, availability of Operator Services is at the discretion of the Operator Services provider. If Operator Services are available, the Telephone Company rates are applicable and billed by the Telephone Company. In locations where the Telephone Company is the provider of Operator Services for other telephone companies, availability of Operator Services is contingent on the availability of Operator Services tariffs of that telephone company. The OSS Tandum locations are provided in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4.

16.1.1 Operator Transfer Service (OTS)

Operator Transfer is an originating service that provides call routing of 0- (the digit “0” with no additional digits) calls to a participating customer as requested by the calling end user. An Operator Transfer call is routed to the Telephone Company’s OSS operator for completion to a destination outside the originating LATA when the calling party dials “0” and waits for an operator to assist with the call. The Telephone Company operator will, upon request, transfer the call to the calling end user’s participating customer (i.e., the Telephone Company’s Operator Transfer Service customer) of choice. If the calling end user has no specific customer preference, the OSS operator will consult reference information and offer to the calling party the name of a participating customer. The reference information is arranged to give all participating customers an equal opportunity of being offered to and chosen by the calling end user. After a selection is made by the calling end user, the operator shall key in the selected customer’s Carrier Identification Code (CIC) and transfer the call.

[1] Effective February 8, 2017, Operator Inward Assistance Services (Busy Line Verification and Verification with Call Interruption) are discontinued.

(C) Indicates Change

Issued: January 9, 2017
Effective: February 8, 2017
17-01A
ACCESS SERVICES

16. Operator Services

16.1 Operator Service Description (Cont’d)

16.1.2 Reserved For Future Use

16.2 Manner of Provisioning

(A) Operator Services trunking between the customer’s premises and the OSS Tandem is provisioned as either Switched Access Feature Group B or Feature Group D service and may be arranged, per the customer’s request, as either one-way or two-way service. These trunk groups are established as final trunks and will be assigned data registers to obtain usage, peg count, and overflow attempt information. If a trunk(s) does not currently exist between the customer’s premises and the OSS Tandem(s), the customer must establish Feature Group B or Feature Group D service to the Telephone Company’s OSS Tandem(s). The Telephone Company will provide trunk side switching along with trunk answer and disconnect supervisory signaling to the customer.

(C) Indicates Change

Issued: January 9, 2017 Effective: February 8, 2017

17-01A
16. **Operator Services**

16.2 **Manner of Provisioning (Cont'd)**

(B) When the OSS Tandem also functions as the Message Toll Service (MTS) Access Tandem, the customer may combine Operator Services traffic with its MTS Switched Access traffic between the OSS Tandem and the customer's premises provided the trunk group has the same signaling and routing requirements as specified for Operator Transfer. However, Operator Services traffic may not be combined with MTS Switched Access traffic if the customer provides operator functionality or coin station control.

16.2.1 **Operator Transfer**

(A) The customer must order sufficient capacity between the OSS Tandem(s) and the customer's premises to serve Operator Transfer traffic originating from those end offices. The Telephone Company OSS Tandems send ten-digit ANI (NPA + 7-digit telephone number) for Feature Group D trunk groups with Equal Access signaling or Operator Services Address signaling with traditional signaling.

(B) In order for the customer to provide full operator functionality (e.g., Operator Recall, Sequence Dialing, Time and Charge Quotation, and Emergency Ring-back) or coin control, the customer must order Operator Trunk - Pay Telephone for Operator Trunk - Full Feature for Feature Group D service. Full operator functionality is not required to provide operator transfer service. When coin control is provided, the customer must establish a separate and final trunk group for each type of end office operator/coin signaling (i.e., inband, expanded inband, and multi-wink) existing in the end offices served by the OSS Tandem. Operator Transfer is not available for coin sent-paid traffic.

(C) Indicates Change

*Issued: January 9, 2017  Effective: February 8, 2017*
ACCESS SERVICES

16. **Operator Services**

16.2 **Manner of Provisioning (Cont’d)**

16.2.2 **Signaling**

(A) For Operator Transfer, the Telephone Company will provide traditional signaling for Feature Group B service or Equal Access signaling for Feature Group D service. Customers providing operator functionality for operator traffic or coin control for pay telephone traffic will be provided with Operator Services Address signaling for Feature Group D service.

16.2.3 **Design Layout Report**

Upon request, the Telephone Company will provide, to the customer, the make-up of facilities and services provided from the customer's premises to the OSS Tandem. This information will be provided in the form of a Design Layout Report. The Design Layout Report will be provided at no charge and will be reissued or updated whenever the facilities provided for the customer's use are materially changed.

(C) Indicates Change

Issued: January 9, 2017
Effective: February 8, 2017
ACCESS SERVICES

16. **Operator Services**

16.2 **Manner of Provisioning (Cont’d)**

16.2.4 **Design Blocking**

Trunks between the customer’s premises and the OSS Tandems will follow the normal Feature Group B or D blocking criteria as set forth in Section 6.5.6 preceding. The Telephone Company will perform routine measurement functions to inform the customer that an adequate number of transmission paths are in service to meet the normal Feature Group B or D design blocking levels. However, capacity levels and trunk quantities will be the responsibility of the customer.

16.2.5 **Testing**

Acceptance testing for Operator Services will be provided as set forth in Section 6.1.6 preceding. Testing Capabilities for Feature Group B and Feature Group D services utilized in conjunction with Operator Services will be provided as set forth in Sections 6.2.2(D) and 6.2.4(D) preceding.

16.2.6 **Interface Groups and Transmission Parameters**

Operator Services will utilize the same interface groups and transmission specifications as specified in Sections 6.2.2(C) and 6.2.4(C) preceding.

16.2.7 **Ordering and Billing Options and Conditions**

(A) Operator Transfer Service is ordered under the access order provisions as set forth in Section 5 preceding. The Access Order Charge applicable for Switched Access will apply per Access Order for the installation, addition, change, or rearrangement of Operator Transfer Service. In addition, other Access Order Charges (i.e., Service Date Change Charges, etc.) may apply.

(B) Billing for all Operator Services will occur on a monthly basis as other billing is performed, but will be rendered on a statement detailing the flat-rated charges for the entire state applicable to that customer for the specified monthly period.

(C) Indicates Change

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17-01A
16. **Operator Services**

16.3 **Liability of the Telephone Company** (Cont’d)

(B) The customer indemnifies and saves the Telephone Company harmless against claims for libel, slander, or infringement of copyright and trademark arising from the information transmitted over facilities furnished hereunder and against all other claims arising out of any act or omission of the customer in connection with facilities provided by the Telephone Company.

(C) The customer indemnifies and saves the Telephone Company harmless against claims or suits for damages arising where the connection between the calling end user and a local emergency agency is in some way faulty or impaired, due in whole or in part to the negligent mistake or delay of the Telephone Company. Examples of this may include, but are not limited to, instances in which the Telephone Company, through negligent mistake or delay, may provide an incorrect local emergency agency number, delay in locating a local emergency agency number, or disconnect an in-progress call between a calling end user and a local emergency agency.

16.4 **Obligations of the Customer**

In addition to the general regulations as set forth in Section 2 preceding, the following also applies.

(A) The customer shall provide the necessary on-hook, off-hook, answer supervision, and disconnect supervision at the customer’s premises.

(B) Jurisdictional reporting will apply as required in Section 2.3.14 for determining the Percent Interstate Usage (PIU).

(C) Indicates Change

Issued: December 28, 2000

Effective: December 29, 2000
ACCESS SERVICES

16. **Operator Services**

16.5 **Rate Regulations**

16.5.1 **Description and Application of Rates and Charges**

(A) **Operator Transfer Service**

The Operator Transfer charge is a flat-rated charge applicable per call transferred to the subscribing customer.

In addition to the Operator Transfer charge, Switched Access rates apply as set forth in Section 6.8 preceding and the Carrier Charge (CC) as set forth in Sections 3.8 and 3.9 preceding apply for usage originating from all end offices served by the OSS Tandem.

Nonrecurring Switched Access charges are applicable as specified in Sections 6.7 and 6.8 preceding.

(B) **Reserved For Future Use**

(C) **Indicates Change**

Issued: January 9, 2017

Effective: February 8, 2017

17-01A
16. **Operator Services**

16.5 **Rate Regulations** (Cont’d)

16.5.2 **Rates and Charges**

<table>
<thead>
<tr>
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<th>Rate</th>
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<tbody>
<tr>
<td>Operator Transfer *</td>
<td>$0.30</td>
</tr>
<tr>
<td>- Per Call Transferred</td>
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</tbody>
</table>

* In addition, Switched Access charges are applicable as detailed in 16.5.1 preceding.

(C) Indicates Change
17. Reserved For Future Use

(C) Indicates Change

Issued: April 1, 2008
Effective: April 2, 2008
ACCESS SERVICE

17. Reserved For Future Use (Cont'd)
ACCESS SERVICE

17. Reserved For Future Use (Cont'd) (C)

(C) Indicates Change

Issued: April 1, 2008
Effective: April 2, 2008
17. Reserved For Future Use (Cont'd) (C)

(C) Indicates Change

Issued: April 1, 2008  Effective: April 2, 2008
ACCESS SERVICE

17. Reserved For Future Use (Cont'd) (C)

(C) Indicates Change

Issued: April 1, 2008  Effective: April 2, 2008
ACCESS SERVICE

17. Expanded Interconnection Services (Cont'd) (C)

(C) Indicates Change

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ACCESS SERVICE

17. **Reserved For Future Use (Cont'd)**

(C) Indicates Change

Issued: April 1, 2008
Effective: April 2, 2008
ACCESS SERVICE

17. Reserved For Future Use (Cont'd)  

(C) Indicates Change

Issued: April 1, 2008  
Effective: April 2, 2008
<p>| | |</p>
<table>
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<tr>
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<th></th>
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</thead>
<tbody>
<tr>
<td>17.</td>
<td><strong>Reserved For Future Use (Cont'd)</strong> (C)</td>
</tr>
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</table>

(C) Indicates Change

Issued: April 1, 2008  Effective: April 2, 2008
ACCESS SERVICE

17. **Reserved For Future Use (Cont'd)**

(C) Indicates Change

Issued: April 1, 2008

Effective: April 2, 2008
17. Reserved For Future Use (Cont'd) (C)

(C) Indicates Change
ACCESS SERVICE

17. Reserved For Future Use (Cont'd) (C)

(C) Indicates Change

Issued: April 1, 2008 Effective: April 2, 2008
17. Expanded Interconnection Services (Cont'd)

(C) Indicates Change

Issued: April 1, 2008
Effective: April 2, 2008
ACCESS SERVICE

17. Reserved For Future Use (Cont'd) (C)
17. Expanded Interconnection Services (Cont'd)
ACCESS SERVICE

17. Reserved For Future Use (Cont'd) (C)
ACCESS SERVICE

17. Reserved For Future Use (Cont'd) (C)
ACCESS SERVICE

17. Reserved For Future Use (Cont'd)

(C) Indicates Change

Issued: April 1, 2008
Effective: April 2, 2008
17. **Reserved For Future Use (Cont'd)**

(C) Indicates Change

Issued: April 1, 2008  
Effective: April 2, 2008
ACCESS SERVICE

17. Reserved For Future Use (Cont'd)  (C)

(C) Indicates Change

Issued: April 1, 2008  Effective: April 2, 2008
ACCESS SERVICE

17. **Reserved For Future Use** (Cont'd)

(C) Indicates Change

Issued: April 1, 2008
Effective: April 2, 2008
ACCESS SERVICE

17. Reserved For Future Use (Cont'd) (C)

(C) Indicates Change

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ACCESS SERVICE

17. **Reserved For Future Use (Cont'd)**

(C) Indicates Change

Issued: April 1, 2008

Effective: April 2, 2008
ACCESS SERVICE

17. Reserved For Future Use (Cont'd)  (C)

(C) Indicates Change

Issued: April 1, 2008               Effective: April 2, 2008
ACCESS SERVICE

17. Reserved For Future Use (Cont'd) (C)

(C) Indicates Change

Issued: April 1, 2008  Effective: April 2, 2008
ACCESS SERVICE

17. Expanded Interconnection Services (Cont'd) (C)

(C) Indicates Change

Issued: April 1, 2008  Effective: April 2, 2008
ACCESS SERVICE

17. Reserved For Future Use (Cont'd) (C)

(C) Indicates Change

Issued: April 1, 2008  Effective: April 2, 2008
17. **Reserved For Future Use (Cont'd)**

(C) Indicates Change

Issued: April 1, 2008  
Effective: April 2, 2008
ACCESS SERVICE

17. Reserved For Future Use (Cont'd)  

(C) Indicates Change

Issued: April 1, 2008  
Effective: April 2, 2008
ACCESS SERVICE

17. Reserved For Future Use (Cont'd) (C)

(C) Indicates Change

Issued: April 1, 2008
Effective: April 2, 2008
17. **Reserved For Future Use (Cont'd)**

(C) Indicates Change

Issued: April 1, 2008

Effective: April 2, 2008
## ACCESS SERVICE

### 18. VoIP Rates and Charges

#### 18.1 Switched Access Service

##### 18.1.1 Optical Service Charge

<table>
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<tr>
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<th>OC3</th>
<th>OC12</th>
<th>OC48</th>
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<td>Nonrecurring Charge</td>
<td>$7,500.00</td>
<td>$8,500.00</td>
<td>$12,500.00</td>
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##### 18.1.2 Switched Transport

**A) Entrance Facilities**

<table>
<thead>
<tr>
<th>Service</th>
<th>Per Point of Termination</th>
<th>Monthly Rates</th>
<th>Nonrecurring Charge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voice Grade</td>
<td>Per Point of Termination</td>
<td>Monthly Rates</td>
<td>Nonrecurring</td>
</tr>
<tr>
<td>Two Wire</td>
<td>$40.00</td>
<td>$134.25</td>
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<tr>
<td>Four Wire</td>
<td>$55.00</td>
<td>$134.25</td>
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<table>
<thead>
<tr>
<th>Service</th>
<th>Per DS1</th>
<th>Monthly Rates</th>
<th>Nonrecurring Charge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zone 1</td>
<td>$104.00</td>
<td>$104.00</td>
<td>$104.00</td>
</tr>
<tr>
<td>Zone 2</td>
<td>$104.00</td>
<td>$104.00</td>
<td>$104.00</td>
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<tr>
<td>Zone 3</td>
<td>$104.00</td>
<td>$104.00</td>
<td>$104.00</td>
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</table>

<table>
<thead>
<tr>
<th>Service</th>
<th>Per DS3</th>
<th>Monthly Rates</th>
<th>Nonrecurring Charge</th>
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<tbody>
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<td>$1,271.00</td>
<td>$1,710.00</td>
</tr>
<tr>
<td>Zone 2</td>
<td>$1,150.70</td>
<td>$1,412.10</td>
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<tr>
<td>Zone 3</td>
<td>$1,150.70</td>
<td>$1,412.10</td>
<td>$1,900.00</td>
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Issued: January 3, 2012  Effective: March 8, 2012
## ACCESS SERVICE

### 18. VoIP Rates and Charges (Cont'd)

#### 18.1 Switched Access Service (Cont'd)

##### 18.1.2 Switched Transport (Cont'd)

**(A) Entrance Facilities (Cont'd)**

**4) OptiPoint-3 with Telephone Company Provided Terminal Equipment**

<table>
<thead>
<tr>
<th>Monthly Rates</th>
<th>Within CO</th>
<th>0–3 Miles</th>
<th>Over 3 Miles</th>
<th>Nonrecurring Charge</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>(a) 1 Year Commitment Rates</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zone 1</td>
<td>$2,363.00</td>
<td>$3,250.00</td>
<td>$5,344.00</td>
<td>$5,470.00</td>
</tr>
<tr>
<td>Zone 2</td>
<td>$2,363.00</td>
<td>$3,250.00</td>
<td>$5,344.00</td>
<td>$5,470.00</td>
</tr>
<tr>
<td>Zone 3</td>
<td>$2,363.00</td>
<td>$3,250.00</td>
<td>$5,344.00</td>
<td>$5,470.00</td>
</tr>
<tr>
<td><strong>(b) 3 Year Commitment Rates</strong></td>
<td></td>
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<td></td>
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</tr>
<tr>
<td>Zone 1</td>
<td>$1,890.00</td>
<td>$2,600.00</td>
<td>$4,275.00</td>
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</tr>
<tr>
<td>Zone 2</td>
<td>$1,890.00</td>
<td>$2,600.00</td>
<td>$4,275.00</td>
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<tr>
<td>Zone 3</td>
<td>$1,890.00</td>
<td>$2,600.00</td>
<td>$4,275.00</td>
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</tr>
<tr>
<td><strong>(c) 5 Year Commitment Rates</strong></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zone 1</td>
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<td>$2,335.00</td>
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<tr>
<td>Zone 2</td>
<td>$1,700.00</td>
<td>$2,335.00</td>
<td>$3,850.00</td>
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<tr>
<td>Zone 3</td>
<td>$1,700.00</td>
<td>$2,335.00</td>
<td>$3,850.00</td>
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</tr>
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</table>
### VolP Rates and Charges (Cont'd)

18.1 Switched Access Service (Cont'd)

18.1.2 Switched Transport (Cont'd)

(A) Entrance Facilities (Cont'd)

(5) OptiPoint-3 without Telephone Company Provided Terminal Equipment

<table>
<thead>
<tr>
<th>Monthly Rates</th>
<th>Within CO</th>
<th>0–3 Miles</th>
<th>Over 3 Miles</th>
<th>Nonrecurring Charge</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Zone 1</td>
<td>Zone 2</td>
<td>Zone 3</td>
<td></td>
</tr>
<tr>
<td>(a) 1 Year Commitment Rates - Per Point of Termination</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zone 1</td>
<td>$1,400.00</td>
<td>$2,463.00</td>
<td>$4,538.00</td>
<td>$4,210.00</td>
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<td>Zone 2</td>
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<td>$2,463.00</td>
<td>$4,538.00</td>
<td>$4,210.00</td>
</tr>
<tr>
<td>Zone 3</td>
<td>$1,400.00</td>
<td>$2,463.00</td>
<td>$4,538.00</td>
<td>$4,210.00</td>
</tr>
<tr>
<td>(b) 3 Year Commitment Rates - Per Point of Termination</td>
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<td></td>
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<tr>
<td>Zone 1</td>
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<tr>
<td>Zone 3</td>
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<td>$1,970.00</td>
<td>$3,630.00</td>
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</tr>
<tr>
<td>(c) 5 Year Commitment Rates - Per Point of Termination</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zone 1</td>
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<td>$1,770.00</td>
<td>$3,270.00</td>
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<tr>
<td>Zone 2</td>
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<td>$1,770.00</td>
<td>$3,270.00</td>
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<td>Zone 3</td>
<td>$1,010.00</td>
<td>$1,770.00</td>
<td>$3,270.00</td>
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18. **VolP Rates and Charges (Cont'd)**

18.1 **Switched Access Service (Cont'd)**

18.1.2 **Switched Transport (Cont'd)**

(A) **Entrance Facilities (Cont'd)**

(6) OptiPoint-12 with Telephone Company Provided Terminal Equipment

<table>
<thead>
<tr>
<th></th>
<th>Monthly Rates</th>
<th></th>
<th></th>
<th>Nonrecurring</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Within 0–3 CO</td>
<td>0–3 Miles</td>
<td>Over 3 Miles</td>
<td>Charge</td>
</tr>
<tr>
<td>(a) 1 Year Commitment Rates</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zone 1</td>
<td>$2,938.00</td>
<td>$3,613.00</td>
<td>$5,694.00</td>
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<td>$3,613.00</td>
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<td>$13,460.00</td>
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</table>

(b) 3 Year Commitment Rates - Per Point of Termination

|                         |                  |                  |                  |              |
| Zone 1                  | $2,350.00        | $2,890.00        | $4,555.00        |              |
| Zone 2                  | $2,350.00        | $2,890.00        | $4,555.00        |              |
| Zone 3                  | $2,350.00        | $2,890.00        | $4,555.00        |              |

(c) 5 Year Commitment Rates - Per Point of Termination

|                         |                  |                  |                  |              |
| Zone 1                  | $2,100.00        | $2,600.00        | $4,100.00        |              |
| Zone 2                  | $2,100.00        | $2,600.00        | $4,100.00        |              |
| Zone 3                  | $2,100.00        | $2,600.00        | $4,100.00        |              |
ACCESS SERVICE

18. VoIP Rates and Charges (Cont'd)

18.1 Switched Access Service (Cont'd)

18.1.2 Switched Transport (Cont'd)

(A) Entrance Facilities (Cont'd)

(7) OptiPoint-12 without Telephone Company Provided Terminal Equipment

<table>
<thead>
<tr>
<th>Monthly Rates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Within</td>
</tr>
<tr>
<td>CO</td>
</tr>
</tbody>
</table>

(a) 1 Year Commitment Rates
- Per Point of Termination

<table>
<thead>
<tr>
<th>Zone</th>
<th>$1,813.00</th>
<th>$2,750.00</th>
<th>$4,831.00</th>
<th>$10,100.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zone 1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zone 2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zone 3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(b) 3 Year Commitment Rates
- Per Point of Termination

<table>
<thead>
<tr>
<th>Zone</th>
<th>$1,450.00</th>
<th>$2,200.00</th>
<th>$3,865.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zone 1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zone 2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zone 3</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(c) 5 Year Commitment Rates
- Per Point of Termination

<table>
<thead>
<tr>
<th>Zone</th>
<th>$1,295.00</th>
<th>$1,980.00</th>
<th>$3,480.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zone 1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zone 2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zone 3</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Issued: January 3, 2012  Effective: March 8, 2012
ACCESS SERVICE

18. **VoIP Rates and Charges (Cont'd)**

18.1 **Switched Access Service (Cont'd)**

18.1.2 **Switched Transport (Cont'd)**

(A) **Entrance Facilities (Cont'd)**

(8) **OptiPoint-48 with Telephone Company Provided Terminal Equipment**

<table>
<thead>
<tr>
<th>Monthly Rates</th>
<th>Within CO</th>
<th>0–3 Miles</th>
<th>Over 3 Miles</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) 3 Year Commitment Rates</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zone 1</td>
<td>$7,980.00</td>
<td>$9,870.00</td>
<td>$13,900.00</td>
</tr>
<tr>
<td>Zone 2</td>
<td>$7,980.00</td>
<td>$9,870.00</td>
<td>$13,900.00</td>
</tr>
<tr>
<td>Zone 3</td>
<td>$7,980.00</td>
<td>$9,870.00</td>
<td>$13,900.00</td>
</tr>
<tr>
<td>(b) 5 Year Commitment Rates</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zone 1</td>
<td>$7,140.00</td>
<td>$8,925.00</td>
<td>$13,200.00</td>
</tr>
<tr>
<td>Zone 2</td>
<td>$7,140.00</td>
<td>$8,925.00</td>
<td>$13,200.00</td>
</tr>
<tr>
<td>Zone 3</td>
<td>$7,140.00</td>
<td>$8,925.00</td>
<td>$13,200.00</td>
</tr>
</tbody>
</table>

(9) **OptiPoint-48 without Telephone Company Provided Terminal Equipment**

(a) 3 Year Commitment Rates
- Per Point of Termination

| Zone 1 | $4,700.00 | $6,800.00 | $10,600.00 |
| Zone 2 | $4,700.00 | $6,800.00 | $10,600.00 |
| Zone 3 | $4,700.00 | $6,800.00 | $10,600.00 |

(b) 5 Year Commitment Rates
- Per Point of Termination

| Zone 1 | $4,200.00 | $6,300.00 | $10,000.00 |
| Zone 2 | $4,200.00 | $6,300.00 | $10,000.00 |
| Zone 3 | $4,200.00 | $6,300.00 | $10,000.00 |

Issued: January 3, 2012
Effective: March 8, 2012
18. VolP Rates and Charges (Cont'd)

18.1 Switched Access Service (Cont'd)

18.1.2 Switched Transport (Cont'd)

(A) Entrance Facilities (Cont'd)

(10) STS1 (51.84 Mbps)

<table>
<thead>
<tr>
<th>Zone</th>
<th>Monthly Rates</th>
<th>Nonrecurring Installation Charge</th>
<th>Nonrecurring Rearrangement Charge</th>
</tr>
</thead>
<tbody>
<tr>
<td>CO</td>
<td>Within 0–3</td>
<td>0–3</td>
<td>Over 3</td>
</tr>
<tr>
<td>Zone 1</td>
<td>$1,285.00</td>
<td>$1,775.00</td>
<td>$2,635.00</td>
</tr>
<tr>
<td>Zone 2</td>
<td>$1,285.00</td>
<td>$1,775.00</td>
<td>$2,635.00</td>
</tr>
<tr>
<td>Zone 3</td>
<td>$1,285.00</td>
<td>$1,775.00</td>
<td>$2,635.00</td>
</tr>
</tbody>
</table>

(B) Direct-Trunked Transport

<table>
<thead>
<tr>
<th>(1) Voice Grade</th>
<th>(2) DS1</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Per Channel</td>
<td>- Per DS1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Zone</th>
<th>Monthly Rates</th>
<th>Facility (Per Mile)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zone 1</td>
<td>$65.00</td>
<td>$2.00</td>
</tr>
<tr>
<td>Zone 2</td>
<td>$68.00</td>
<td>$2.05 (I)</td>
</tr>
<tr>
<td>Zone 3</td>
<td>$72.00 (I)</td>
<td>$2.10 (I)</td>
</tr>
</tbody>
</table>

(I) Indicates Rate Increase

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ACCESS SERVICE

18. **VoIP Rates and Charges (Cont’d)**

18.1 **Switched Access Service (Cont’d)**

18.1.2 **Switched Transport (Cont’d)**

(B) **Direct-Trunked Transport (Cont’d)**

<table>
<thead>
<tr>
<th>Monthly Rates</th>
<th>Termination Facility</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(Fixed) (Per Mile)</td>
</tr>
</tbody>
</table>

(3) **DS3**

- Per DS3

<table>
<thead>
<tr>
<th>Zone</th>
<th>Termination</th>
<th>Facility</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zone 1</td>
<td>$375.70</td>
<td>$65.20</td>
</tr>
<tr>
<td>Zone 2</td>
<td>$413.00</td>
<td>$72.00</td>
</tr>
<tr>
<td>Zone 3</td>
<td>$413.00</td>
<td>$72.00</td>
</tr>
</tbody>
</table>

(4) **OptiPoint-3**

(a) **1 Year Commitment Rates**

<table>
<thead>
<tr>
<th>Zone</th>
<th>Termineation</th>
<th>Facility</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zone 1</td>
<td>$2,693.00</td>
<td>$219.00</td>
</tr>
<tr>
<td>Zone 2</td>
<td>$2,693.00</td>
<td>$219.00</td>
</tr>
<tr>
<td>Zone 3</td>
<td>$2,693.00</td>
<td>$219.00</td>
</tr>
</tbody>
</table>

(b) **3 Year Commitment Rates**

<table>
<thead>
<tr>
<th>Zone</th>
<th>Termination</th>
<th>Facility</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zone 1</td>
<td>$2,154.00</td>
<td>$175.00</td>
</tr>
<tr>
<td>Zone 2</td>
<td>$2,154.00</td>
<td>$175.00</td>
</tr>
<tr>
<td>Zone 3</td>
<td>$2,154.00</td>
<td>$175.00</td>
</tr>
</tbody>
</table>

(c) **5 Year Commitment Rates**

<table>
<thead>
<tr>
<th>Zone</th>
<th>Termination</th>
<th>Facility</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zone 1</td>
<td>$1,937.00</td>
<td>$160.00</td>
</tr>
<tr>
<td>Zone 2</td>
<td>$1,937.00</td>
<td>$160.00</td>
</tr>
<tr>
<td>Zone 3</td>
<td>$1,937.00</td>
<td>$160.00</td>
</tr>
</tbody>
</table>
ACCESS SERVICE

18. **VoIP Rates and Charges** (Cont'd)

18.1 **Switched Access Service** (Cont'd)

18.1.2 **Switched Transport** (Cont'd)

(B) **Direct-Trunked Transport** (Cont'd)

<table>
<thead>
<tr>
<th>Monthly Rates</th>
<th>Termination Facility</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(Fixed)</td>
</tr>
</tbody>
</table>

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>(5)</td>
<td>OptiPoint-12</td>
<td></td>
</tr>
<tr>
<td>(a)</td>
<td>1 Year Commitment Rates</td>
<td></td>
</tr>
<tr>
<td>Zone 1</td>
<td>$7,500.00</td>
<td>$488.00</td>
</tr>
<tr>
<td>Zone 2</td>
<td>$7,500.00</td>
<td>$488.00</td>
</tr>
<tr>
<td>Zone 3</td>
<td>$7,500.00</td>
<td>$488.00</td>
</tr>
<tr>
<td>(b)</td>
<td>3 Year Commitment Rates</td>
<td></td>
</tr>
<tr>
<td>Zone 1</td>
<td>$6,000.00</td>
<td>$390.00</td>
</tr>
<tr>
<td>Zone 2</td>
<td>$6,000.00</td>
<td>$390.00</td>
</tr>
<tr>
<td>Zone 3</td>
<td>$6,000.00</td>
<td>$390.00</td>
</tr>
<tr>
<td>(c)</td>
<td>5 Year Commitment Rates</td>
<td></td>
</tr>
<tr>
<td>Zone 1</td>
<td>$5,850.00</td>
<td>$350.00</td>
</tr>
<tr>
<td>Zone 2</td>
<td>$5,850.00</td>
<td>$350.00</td>
</tr>
<tr>
<td>Zone 3</td>
<td>$5,850.00</td>
<td>$350.00</td>
</tr>
</tbody>
</table>

Issued: January 3, 2012  
Effective: March 8, 2012
18. **VolP Rates and Charges (Cont'd)**

18.1 **Switched Access Service (Cont'd)**

18.1.2 **Switched Transport (Cont'd)**

<table>
<thead>
<tr>
<th>(B) Direct-Trunked Transport (Cont'd)</th>
<th>Monthly Rates</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Termination (Fixed)</td>
</tr>
<tr>
<td>(6) OptiPoint-48</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>(a) 3 Year Commitment Rates</td>
<td></td>
</tr>
<tr>
<td>Zone 1</td>
<td>$14,000.00</td>
</tr>
<tr>
<td>Zone 2</td>
<td>$14,000.00</td>
</tr>
<tr>
<td>Zone 3</td>
<td>$14,000.00</td>
</tr>
<tr>
<td>(b) 5 Year Commitment Rates</td>
<td></td>
</tr>
<tr>
<td>Zone 1</td>
<td>$12,600.00</td>
</tr>
<tr>
<td>Zone 2</td>
<td>$12,600.00</td>
</tr>
<tr>
<td>Zone 3</td>
<td>$12,600.00</td>
</tr>
<tr>
<td>(7) STS1 (51.84 Mbps)</td>
<td></td>
</tr>
<tr>
<td>Zone 1</td>
<td>$587.00</td>
</tr>
<tr>
<td>Zone 2</td>
<td>$587.00</td>
</tr>
<tr>
<td>Zone 3</td>
<td>$587.00</td>
</tr>
</tbody>
</table>
18. **VolP Rates and Charges (Cont'd)**

18.1 **Switched Access Service (Cont'd)**

18.1.2 **Switched Transport (Cont'd)**

(C) **Tandem-Switched Transport**

<table>
<thead>
<tr>
<th>Monthly Rates</th>
<th>Termination</th>
<th>Facility</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Per Access</td>
<td>Per Access</td>
</tr>
<tr>
<td></td>
<td>Minute</td>
<td>Minute (Per Mile)</td>
</tr>
</tbody>
</table>

(1) **Tandem-Switched Transmission**

| Zone 1 – Originating | $0.000449 | $0.000000 |
| Zone 1 – Terminating 3rd Party | $0.000449 | $0.000000 |
| Zone 1 – Terminating End Office | $0.000000 | $0.000000 |
| Zone 2 – Originating | $0.000449 | $0.000000 |
| Zone 2 – Terminating 3rd Party | $0.000449 | $0.000000 |
| Zone 2 – Terminating End Office | $0.000000 | $0.000000 |
| Zone 3 – Originating | $0.000449 | $0.000000 |
| Zone 3 – Terminating 3rd Party | $0.000449 | $0.000000 |
| Zone 3 – Terminating End Office | $0.000000 | $0.000000 |

(2) **Tandem Switching**

| Rate Per Access Minute | Zone 1 – Originating | $0.001438 |
| Zone 1 – Terminating 3rd Party | $0.001438 |
| Zone 1 – Terminating End Office | $\textbf{0.000000 (D)} (C) |
| Zone 2 – Originating | $0.001438 |
| Zone 2 – Terminating 3rd Party | $0.001438 |
| Zone 2 – Terminating End Office | $\textbf{0.000000 (D)} (C) |
| Zone 3 – Originating | $0.001438 |
| Zone 3 – Terminating 3rd Party | $0.001438 |
| Zone 3 – Terminating End Office | $\textbf{0.000000 (D)} (C) |

(D) - Indicates decrease in rate

(C) - Indicates Change

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Effective: July 3, 2018
### ACCESS SERVICE

18. **VoIP Rates and Charges (Cont'd)**

18.1 **Switched Access Service (Cont'd)**

18.1.2 **Switched Transport (Cont'd)**

(C) **Tandem-Switched Transport (Cont'd)**

<table>
<thead>
<tr>
<th>Monthly Rates</th>
<th>Rate Per Access Minute</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>(3) Common Transport Multiplexing</strong></td>
<td></td>
</tr>
<tr>
<td>Zone 1 – Originating</td>
<td>$0.000469</td>
</tr>
<tr>
<td>Zone 1 – Terminating 3rd Party</td>
<td>$0.000469</td>
</tr>
<tr>
<td>Zone 1 – Terminating End Office</td>
<td>$0.000000 (D)</td>
</tr>
<tr>
<td>Zone 2 – Originating</td>
<td>$0.000469</td>
</tr>
<tr>
<td>Zone 2 – Terminating 3rd Party</td>
<td>$0.000469</td>
</tr>
<tr>
<td>Zone 2 – Terminating End Office</td>
<td>$0.000000 (D)</td>
</tr>
<tr>
<td>Zone 3 – Originating</td>
<td>$0.000469</td>
</tr>
<tr>
<td>Zone 3 – Terminating 3rd Party</td>
<td>$0.000469</td>
</tr>
<tr>
<td>Zone 3 – Terminating End Office</td>
<td>$0.000000 (D)</td>
</tr>
</tbody>
</table>

| (4) Reserved For Future Use |       |

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Material appearing on this page previously appeared on Pages 18-11.

(D) - Indicates decrease in rate
(C) - Indicates Change

**Issued:** May 15, 2017  
**Effective:** July 1, 2017
## ACCESS SERVICE

### 18. VolP Rates and Charges (Cont'd)

#### 18.1 Switched Access Service (Cont'd)

##### 18.1.2 Switched Transport (Cont'd)

(C) **Tandem-Switched Transport (Cont'd)**

<table>
<thead>
<tr>
<th>(5) Dedicated Trunk Port</th>
<th>Monthly Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) Per DS0</td>
<td>$3.83</td>
</tr>
<tr>
<td>(b) Per DS1</td>
<td>$98.56</td>
</tr>
</tbody>
</table>

(D) **Optional Features**

<table>
<thead>
<tr>
<th>(1) Multiplexing</th>
<th>Monthly</th>
<th>Nonrecurring</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) DS1 to Voice Grade</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zone 1</td>
<td>$205.50</td>
<td>$142.00</td>
</tr>
<tr>
<td>Zone 2</td>
<td>$210.00</td>
<td>$142.00</td>
</tr>
<tr>
<td>Zone 3</td>
<td>$215.00 (I)</td>
<td>$142.00</td>
</tr>
<tr>
<td>(b) DS3 to DS1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zone 1</td>
<td>$340.00</td>
<td>$85.00</td>
</tr>
<tr>
<td>Zone 2</td>
<td>$412.00 (I)</td>
<td>$85.00</td>
</tr>
<tr>
<td>Zone 3</td>
<td>$419.00 (I)</td>
<td>$85.00</td>
</tr>
<tr>
<td>(c) STS1 to DS1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zone 1</td>
<td>$545.00 (I)</td>
<td>$250.00</td>
</tr>
<tr>
<td>Zone 2</td>
<td>$545.00 (I)</td>
<td>$250.00</td>
</tr>
<tr>
<td>Zone 3</td>
<td>$545.00 (I)</td>
<td>$250.00</td>
</tr>
</tbody>
</table>

(I) - Indicates Rate increase

Issued: May 11, 2016
Effective: July 1, 2016
## ACCESS SERVICE

### 18. VolP Rates and Charges (Cont’d)

#### 18.1 Switched Access Service (Cont’d)

##### 18.1.2 Switched Transport (Cont’d)

<table>
<thead>
<tr>
<th>(D) Optional Features (Cont’d)</th>
<th>Monthly Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>(2) OptiPoint Configuration Node</td>
<td></td>
</tr>
<tr>
<td>(a) OC3 – per arrangement</td>
<td></td>
</tr>
<tr>
<td>- 1 Year Commitment Rates</td>
<td></td>
</tr>
<tr>
<td>Zone 1</td>
<td>$219.00</td>
</tr>
<tr>
<td>Zone 2</td>
<td>$219.00</td>
</tr>
<tr>
<td>Zone 3</td>
<td>$219.00</td>
</tr>
<tr>
<td>- 3 Year Commitment Rates</td>
<td></td>
</tr>
<tr>
<td>Zone 1</td>
<td>$175.00</td>
</tr>
<tr>
<td>Zone 2</td>
<td>$175.00</td>
</tr>
<tr>
<td>Zone 3</td>
<td>$175.00</td>
</tr>
<tr>
<td>- 5 Year Commitment Rates</td>
<td></td>
</tr>
<tr>
<td>Zone 1</td>
<td>$158.00 (I)</td>
</tr>
<tr>
<td>Zone 2</td>
<td>$158.00 (I)</td>
</tr>
<tr>
<td>Zone 3</td>
<td>$158.00 (I)</td>
</tr>
</tbody>
</table>

(I) - Indicates Rate increase
ACCESS SERVICE

18. **VoIP Rates and Charges (Cont'd)**

18.1 **Switched Access Service (Cont'd)**

18.1.2 **Switched Transport (Cont'd)**

(D) **Optional Features (Cont'd)**

(2) OptiPoint Configuration Node

(b) OC12 – per arrangement

- 1 Year Commitment Rates

<table>
<thead>
<tr>
<th>Zone</th>
<th>Monthly Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>$1,000.00</td>
</tr>
<tr>
<td>2</td>
<td>$1,000.00</td>
</tr>
<tr>
<td>3</td>
<td>$1,000.00</td>
</tr>
</tbody>
</table>

- 3 Year Commitment Rates

<table>
<thead>
<tr>
<th>Zone</th>
<th>Monthly Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>$800.00</td>
</tr>
<tr>
<td>2</td>
<td>$800.00</td>
</tr>
<tr>
<td>3</td>
<td>$800.00</td>
</tr>
</tbody>
</table>

- 5 Year Commitment Rates

<table>
<thead>
<tr>
<th>Zone</th>
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<td>3</td>
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18. **VoIP Rates and Charges (Cont'd)**

18.1 **Switched Access Service (Cont'd)**

18.1.2 **Switched Transport (Cont'd)**

(D) **Optional Features (Cont'd)**

<table>
<thead>
<tr>
<th>Monthly Rate</th>
<th>3 Year Commitment Rates</th>
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<td>Zone 2</td>
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(3) **OptiPoint-3 Configuration Card**

<table>
<thead>
<tr>
<th>Per Card</th>
<th>1 Year Commitment Rates</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>Zone 1</td>
</tr>
<tr>
<td></td>
<td>DS1</td>
</tr>
<tr>
<td></td>
<td>DS3</td>
</tr>
<tr>
<td></td>
<td>OC3 Concatenated</td>
</tr>
<tr>
<td></td>
<td>STS1</td>
</tr>
</tbody>
</table>

Issued: January 3, 2012

Effective: March 8, 2012
ACCESS SERVICE

18. **VolP Rates and Charges** (Cont'd)

18.1 **Switched Access Service** (Cont'd)

18.1.2 **Switched Transport** (Cont'd)

(D) **Optional Features** (Cont'd)

(3) **OptiPoint-3 Configuration Card** (Cont'd)

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<tr>
<th></th>
<th>Monthly Rates</th>
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<tr>
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<tr>
<td>DS3</td>
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<tr>
<td>STS1</td>
<td>$81.00</td>
<td></td>
</tr>
<tr>
<td>Zone 3</td>
<td></td>
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<td>$25.00</td>
<td></td>
</tr>
<tr>
<td>DS3</td>
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<td>OC3 Concatenated</td>
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</tr>
<tr>
<td>STS1</td>
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<td></td>
</tr>
<tr>
<td>(b) 3 Year Commitment Rates</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zone 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DS1</td>
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<td></td>
</tr>
<tr>
<td>DS3</td>
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<td></td>
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<tr>
<td>OC3 Concatenated</td>
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<td></td>
</tr>
<tr>
<td>STS1</td>
<td>$65.00</td>
<td></td>
</tr>
<tr>
<td>Zone 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DS1</td>
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</tr>
<tr>
<td>DS3</td>
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<tr>
<td>OC3 Concatenated</td>
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Issued: January 3, 2012  Effective: March 8, 2012
### ACCESS SERVICE

18. **VolP Rates and Charges (Cont'd)**

18.1 **Switched Access Service (Cont'd)**

18.1.2 **Switched Transport (Cont'd)**

(D) **Optional Features (Cont'd)**

(3) **OptiPoint-3 Configuration Card (Cont'd)**

<table>
<thead>
<tr>
<th>Monthly Rates</th>
<th>Per Card</th>
</tr>
</thead>
</table>

#### (b) 3 Year Commitment Rates (Cont'd)

<table>
<thead>
<tr>
<th>Zone 3</th>
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<tbody>
<tr>
<td>DS1</td>
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<tr>
<td>DS3</td>
<td>$60.00</td>
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<td>OC3 Concatenated</td>
<td>$325.00</td>
</tr>
<tr>
<td>STS1</td>
<td>$65.00</td>
</tr>
</tbody>
</table>

#### (c) 5 Year Commitment Rates

<table>
<thead>
<tr>
<th>Zone 1</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>DS1</td>
<td>$13.00</td>
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<tr>
<td>DS3</td>
<td>$50.00</td>
</tr>
<tr>
<td>OC3 Concatenated</td>
<td>$300.00</td>
</tr>
<tr>
<td>STS1</td>
<td>$60.00</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Zone 2</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>DS1</td>
<td>$13.00</td>
</tr>
<tr>
<td>DS3</td>
<td>$50.00</td>
</tr>
<tr>
<td>OC3 Concatenated</td>
<td>$300.00</td>
</tr>
<tr>
<td>STS1</td>
<td>$60.00</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Zone 3</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>DS1</td>
<td>$13.00</td>
</tr>
<tr>
<td>DS3</td>
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<tr>
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<tr>
<td>STS1</td>
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Issued: January 3, 2012  
Effective: March 8, 2012
18. **VolP Rates and Charges** (Cont'd)

18.1 **Switched Access Service** (Cont'd)

18.1.2 **Switched Transport** (Cont'd)

(D) **Optional Features** (Cont'd)

(4) OptiPoint-12 Configuration Card

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<td>Zone</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DS1</td>
<td>$25.00</td>
<td></td>
</tr>
<tr>
<td>DS3</td>
<td>$75.00</td>
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<tr>
<td>OC3</td>
<td>$188.00</td>
<td></td>
</tr>
<tr>
<td>STS1</td>
<td>$81.00</td>
<td></td>
</tr>
<tr>
<td>OC3 Concatenated</td>
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<td></td>
</tr>
<tr>
<td>OC12 Concatenated</td>
<td>$3,750.00</td>
<td></td>
</tr>
<tr>
<td>Zone</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DS1</td>
<td>$25.00</td>
<td></td>
</tr>
<tr>
<td>DS3</td>
<td>$75.00</td>
<td></td>
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<tr>
<td>OC3</td>
<td>$188.00</td>
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<td>STS1</td>
<td>$81.00</td>
<td></td>
</tr>
<tr>
<td>OC3 Concatenated</td>
<td>$275.00</td>
<td></td>
</tr>
<tr>
<td>OC12 Concatenated</td>
<td>$3,750.00</td>
<td></td>
</tr>
<tr>
<td>Zone</td>
<td></td>
<td></td>
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<tr>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DS1</td>
<td>$25.00</td>
<td></td>
</tr>
<tr>
<td>DS3</td>
<td>$75.00</td>
<td></td>
</tr>
<tr>
<td>OC3</td>
<td>$188.00</td>
<td></td>
</tr>
<tr>
<td>STS1</td>
<td>$81.00</td>
<td></td>
</tr>
<tr>
<td>OC3 Concatenated</td>
<td>$275.00</td>
<td></td>
</tr>
<tr>
<td>OC12 Concatenated</td>
<td>$3,750.00</td>
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</tr>
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ACCESS SERVICE

18. VoIP Rates and Charges (Cont'd)

18.1 Switched Access Service (Cont'd)

18.1.2 Switched Transport (Cont'd)

(D) Optional Features (Cont'd)

(4) OptiPoint-12 Configuration Card (Cont'd)

Monthly Rates

Per Card

(b) 3 Year Commitment Rates

Zone 1
DS1 $18.00
DS3 $60.00
OC3 $150.00
STS1 $65.00
OC3 Concatenated $220.00
OC12 Concatenated $3,239.00

Zone 2
DS1 $18.00
DS3 $60.00
OC3 $150.00
STS1 $65.00
OC3 Concatenated $220.00
OC12 Concatenated $3,239.00

Zone 3
DS1 $18.00
DS3 $60.00
OC3 $150.00
STS1 $65.00
OC3 Concatenated $220.00
OC12 Concatenated $3,239.00

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ACCESS SERVICE

18. **VoIP Rates and Charges (Cont'd)**

18.1 **Switched Access Service (Cont'd)**

18.1.2 **Switched Transport (Cont'd)**

(D) **Optional Features (Cont'd)**

(4) **OptiPoint-12 Configuration Card (Cont'd)**

(c) **5 Year Commitment Rates**

<table>
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<tr>
<td>DS1</td>
<td>$15.00</td>
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<tr>
<td>DS3</td>
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<tr>
<td>OC3</td>
<td>$125.00</td>
</tr>
<tr>
<td>STS1</td>
<td>$60.00</td>
</tr>
<tr>
<td>OC3 Concatenated</td>
<td>$185.00</td>
</tr>
<tr>
<td>OC12 Concatenated</td>
<td>$2,699.00</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Zone 2</th>
<th>Monthly Rates Per Card</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
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<tr>
<td>DS1</td>
<td>$15.00</td>
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</tr>
<tr>
<td>OC3</td>
<td>$125.00</td>
</tr>
<tr>
<td>STS1</td>
<td>$60.00</td>
</tr>
<tr>
<td>OC3 Concatenated</td>
<td>$185.00</td>
</tr>
<tr>
<td>OC12 Concatenated</td>
<td>$2,699.00</td>
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<table>
<thead>
<tr>
<th>Zone 3</th>
<th>Monthly Rates Per Card</th>
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</thead>
<tbody>
<tr>
<td></td>
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<tr>
<td>DS1</td>
<td>$15.00</td>
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<td>$185.00</td>
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<tr>
<td>OC12 Concatenated</td>
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Issued: January 3, 2012  Effective: March 8, 2012
18. VolP Rates and Charges (Cont'd)

18.1 Switched Access Service (Cont'd)

18.1.2 Switched Transport (Cont'd)

(D) Optional Features (Cont'd)

(5) OptiPoint-48 Configuration Card

<table>
<thead>
<tr>
<th>Monthly Rates</th>
<th>Per Card</th>
</tr>
</thead>
</table>

(a) 3 Year Commitment Rates

| Zone 1 | DS3 | $150.00 |
|        | OC3 | $400.00 |
|        | OC12| $600.00 |
|        | STS1| $160.00 |
|        | OC3 Concatenated | $460.00 |
|        | OC12 Concatenated | $690.00 |

| Zone 2 | DS3 | $150.00 |
|        | OC3 | $400.00 |
|        | OC12| $600.00 |
|        | STS1| $160.00 |
|        | OC3 Concatenated | $460.00 |
|        | OC12 Concatenated | $690.00 |

| Zone 3 | DS3 | $150.00 |
|        | OC3 | $400.00 |
|        | OC12| $600.00 |
|        | STS1| $160.00 |
|        | OC3 Concatenated | $460.00 |
|        | OC12 Concatenated | $690.00 |
## ACCESS SERVICE

18. **VolP Rates and Charges (Cont'd)**

18.1 **Switched Access Service (Cont'd)**

18.1.2 **Switched Transport (Cont'd)**

(D) **Optional Features (Cont'd)**

(5) **OptiPoint-48 Configuration Card (Cont'd)**

### Monthly Rates

<table>
<thead>
<tr>
<th></th>
<th>Zone 1</th>
<th>Zone 2</th>
<th>Zone 3</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td>Per Card</td>
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<td><strong>5 Year Commitment Rates</strong></td>
<td><strong>5 Year Commitment Rates</strong></td>
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ACCESS SERVICE

18. **VolP Rates and Charges (Cont'd)**

18.1 **Switched Access Service (Cont'd)**

18.1.2 **Switched Transport (Cont'd)**

<table>
<thead>
<tr>
<th><strong>(D) Optional Features (Cont'd)</strong></th>
<th><strong>Nonrecurring Charge</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>(6) OptiPoint-3, 12 &amp; 48 Service Upgrade</td>
<td>Per DS1, DS3 or STS1 Upgraded $1,000.00</td>
</tr>
<tr>
<td>(7) OptiPoint Reconfiguration Charge</td>
<td>Per DS3 Equivalent $750.00</td>
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</table>
### ACCESS SERVICE

18. **VoIP Rates and Charges (Cont'd)**

18.1 **Switched Access Service (Cont'd)**

18.1.3 **Local Switching**

<table>
<thead>
<tr>
<th>Rate Details</th>
<th>Originating</th>
<th>Terminating</th>
</tr>
</thead>
<tbody>
<tr>
<td>(A) LS1 and LS2 - FGA, FGB, FGC and FGD</td>
<td>$0.003892</td>
<td>0.000000</td>
</tr>
</tbody>
</table>

(B) **Dedicated Trunk Port**

- **Hanover (York MSA 9260)**
  - (a) Per DS0: $3.60
  - (b) Per DS1: 80.00

- **All Other Exchanges**
  - (a) Per DS0: $1.92
  - (b) Per DS1: 49.28

(B) **Common Trunk Port – All Zones**

<table>
<thead>
<tr>
<th>Rate Details</th>
<th>Per Access Minute</th>
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</thead>
<tbody>
<tr>
<td>Originating</td>
<td>$0.000490</td>
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<tr>
<td>Terminating</td>
<td>0.000000</td>
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</table>

*The End Office Dedicated Trunk Port rate was calculated based upon a 50/50 split between originating and terminating traffic using this flat-rated port. The FCC in their FCC 11-161 ICC Transformation order in section 51.907(d)(1) allowed Price Cap Carriers to use an equal split to divide the charge between originating and terminating elements. When the terminating portion of the rate is reduced and then combined with the originating portion of the rate, a single flat rate is generated for billing purposes. The originating rate for Hanover is $3.60 for DS0 and $80.00 for DS1. For all other exchanges, the originating rate is $1.92 for DS0 and $49.28 for DS1.*

(D) Indicates decrease in rate

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