

ACCESS SERVICE

(C)

Regulations, Rates and Charges  
applying to the provision of Access Service  
for connection to intrastate communications facilities  
for Intrastate Customers  
shall be provided  
for resale purposes within the  
operating territory of the

(C)

(C)

CENTURYTEL OF THE SOUTHWEST, INC.

In the State of

New Mexico

As provided herein.

Rate Centers:

Fence Lake  
Ramah  
Vanderwagen  
Zuni  
Pecos  
Pine Hill

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

All regulated and tariffed services offered by CenturyTel of the Southwest, Inc., whether under that name, or the trade or brand name CenturyLink, are subject to the terms and conditions of this tariff.

This tariff is reissued effective April 8, 2010 to reflect the company name change only.

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Gary L. Kepley, Director  
5454 West 110th Street  
Overland Park, Kansas 6621

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CenturyTel of the Southwest, Inc.  
New Mexico

Tariff S.C.C. No. 3  
1st Revised Page 1  
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ACCESS SERVICE TARIFF

**RESERVED**

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ACCESS SERVICE TARIFF

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(M) Material previously appearing on this page now appears in Section 21 of the CenturyTel of the Southwest, Inc. d/b/a CenturyLink Telephone Rate File for Local Exchange Services.

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ACCESS SERVICE TARIFF

CONCURRING CARRIERS

NO CONCURRING CARRIERS

CONNECTING CARRIERS

NO CONNECTING CARRIERS

OTHER PARTICIPATING CARRIERS

NO OTHER PARTICIPATING CARRIERS

REGISTERED SERVICE MARKS

NONE

REGISTERED TRADEMARKS

NONE

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EXPLANATION OF SYMBOLS

- (R) - to signify reduction.
- (I) - to signify increase.
- (C) - to signify changed regulation
- (T) - to signify a change in text but no change in rate or regulation.
- (S) - to signify reissued matter.
- (M) - to signify matter relocated without change.
- (N) - to signify new rate or regulation.
- (D) - to signify discontinued rate or regulation.
- (Z) - to signify a correction.

EXPLANATION OF ABBREVIATIONS

ac	Alternating current
ANI	Automatic Number Identification
AT&T	American Telephone and Telegraph Company
BD	Business Day
BHMC	Busy Hour Minutes of Capacity
CO	Central Office
Cont'd	Continued
CPE	Customer Premises Equipment
DA	Directory Assistance
dB	decibel
dc	direct current
EPL	Echo Path Loss
ESS	Electronic Switching System
ESSX	Electronic Switching System Exchange
f	frequency
F.C.C.	Federal Communications Commission

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EXPLANATION OF ABBREVIATIONS (Cont'd)

FX	Foreign Exchange
Hz	Hertz
IC	Interexchange Carrier
ICB	Individual Case Basis
kbps	kilobits per second
kHz	kilohertz
LATA	Local Access Transport Area
MMUC	Minimum Monthly Usage Charge
MRC	Monthly Recurring Charge
MTS	Message Telecommunications Service
NPA	Numbering Plan Area
NRC	Nonrecurring Charge
NTS	Non-Traffic Sensitive
NXX	Three Digit Central Office Code
PBX	Private Branch Exchange
PCM	Pulse Code Modulation
POT	Point of Termination
PSTN	Public Switched Telephone Network
PVU	Percent VoIP Usage
TDM	Time Division Multiplexing
TSPS	Traffic Service Position System
TV	Television
VG	Voice Grade
VoIP	Voice over Internet Protocol
V&H	Vertical & Horizontal
WATS	Wide Area Telecommunications Service

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ACCESS SERVICE TARIFF

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.

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ACCESS SERVICE TARIFF

Reference to Technical Publications

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

Technical Reference:

- |     |   |                             |
|-----|---|-----------------------------|
| 1.  | PUB 41451<br>Issued: January, 1983                          | Available: May 17, 1983     |
| 2.  | PUB 41004<br>Issued: October, 1973                          | Available: October, 1973    |
| 3.  | PUB 62500<br>Issued: December, 1983                         | Available: March 15, 1984   |
| 4.  | PUB 62501 and Associated Addendum<br>Issued: December, 1983 | Available: March 15, 1984   |
| 5.  | PUB 62502<br>Issued: December, 1983                         | Available: January, 1984    |
| 6.  | PUB 62503 & Associated Addendum<br>Issued: December, 1983   | Available: March 15, 1984   |
| 7.  | PUB 62504 & Associated Addendum<br>Issued: December, 1983   | Available: March 15, 1984   |
| 8.  | PUB 62505 & Associated Addendum<br>Issued: December, 1983   | Available: January, 1984    |
| 9.  | PUB 62506<br>Issued: December, 1983                         | Available: January, 1984    |
| 10. | PUB 62507<br>Issued: December, 1983                         | Available: March 15, 1984   |
| 11. | PUB 62508<br>Issued: December, 1983                         | Available: January, 1984    |
| 12. | PUB 62310<br>Issued: September, 1983                        | Available: October, 1983    |
| 13. | PUB 62411<br>Issued: September, 1983                        | Available: October, 1983    |
| 14. | PUB TR EOP-000178<br>Issued: 3rd Quarter 1985               | Available: 3rd Quarter 1985 |

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

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Reference to Technical Publications (Cont'd)

Telecommunication Transmission Engineering  
Volume 3 - Networks and Services (Chapters 6 and 7)  
Second Edition, 1980

Issued: June, 1980

Available: June, 1980

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

PUB AS No. 1 - Issue II

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ACCESS SERVICE TARIFF

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 services(s), provided by CenturyTel of Southwest 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 customer for the furnishing of any service.

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ACCESS SERVICE TARIFF

2. General Regulations

2.1 Undertaking of the Telephone Company

2.1.1 Scope

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

2.1.2 Limitations

- (A) The customer may assign or transfer the use of services under this tariff if there is no interruption in or relocation of services. The assignee or transferee must agree to assume all outstanding indebtedness for services provided under this tariff and any termination liability associated with the services provided. The customer will remain jointly liable with the assignee or transferee for any obligations existing at the time of the assignment.

Prior to assignment, the Telephone Company must acknowledge in writing that all requirements have been met. Acknowledgement will be made within fifteen days after the Telephone Company has been notified of the proposed assignment.

- (B) All services offered in this tariff will be provided on a first-come first-served basis. The use and restoration of services shall be in accordance with Part 64, Subpart D, Appendix A of the F.C.C. Rules and Regulations.

ACCESS SERVICE TARIFF

2. General Regulations (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

2.1.3 Liability

- (A) Except in the case of willful misconduct for which the Telephone Company's liability is not limited by this tariff, the Telephone Company's liability for damages shall not exceed an amount equal to the proportionate tariff charge for the period during which the service was affected. This liability for damages shall be in addition to any amounts that may be due the customer as described in Section 2.4.3.
- (B) The Telephone Company shall not be liable for any act or omission of any other carrier or customer providing a portion of a service, nor shall the Telephone Company for its own act or omission hold liable any other carrier or customer providing a portion of a service.
- (C) The Telephone Company is not liable for damages to the customer premises resulting from the furnishing of a service, including the installation and removal of equipment and associated wiring, unless the damage is caused by the Telephone Company's negligence.
- (D) The Telephone Company shall be indemnified, defended and held harmless by the 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 communications;
  - (2) Claims for patent infringement arising from the end user's acts combining or using the service furnished by the Telephone Company in connection with facilities or equipment furnished by the end users or IC or;

ACCESS SERVICE TARIFF

2. General Regulations (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

2.1.3 Liability (Cont'd)

(D) (Cont'd)

(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.

(E) The Telephone Company shall be indemnified, defended and held harmless by the IC against any claim, loss or damage arising from to 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 service provided pursuant to this tariff.

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

2.1.4 Provision of Services

The Telephone Company's obligation to furnish the services described in this tariff is dependent upon

ACCESS SERVICE TARIFF

2. General Regulations (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

2.1.4 Provision of Services (Cont'd)

its ability to provide such service after provision has been made for the Telephone Company's exchange services.

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 9.2 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.

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) change any facilities used in providing service under this tariff, (B) change minimum protection criteria, (C) change operating or maintenance

ACCESS SERVICE TARIFF

2. General Regulations (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

2.1.7 Changes and Substitutions (Cont'd)

characteristics of facilities or (D) change operations or procedures of the Telephone Company. The Telephone Company shall not be responsible if the change renders customer furnished service obsolete or requires modification of the customer furnished services. If such change 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 changes made. The Telephone Company will work cooperatively with the customer to determine reasonable notification procedures.

2.1.8 Refusal and Discontinuance of Service

- (A) Unless the provisions of 2.2.1(B) or 2.5 following apply, if a customer fails to comply with 2.1.6 preceding or 2.2.2, 2.3.1, 2.3.4, 2.3.5, or 2.4 following, including any payments to be made by it on the dates and times herein specified, the Telephone Company may on thirty (30) day's written notice **(by mail or email if the customer is billed electronically or consents to receiving electronic notification)** to the person designated by that customer to receive such notices of noncompliance, refuse to complete any pending orders for service by the non-complying customer at any time thereafter.

(C)  
(C)

If the Telephone Company does not refuse additional applications for service on the date specified in the thirty (30) day's 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.

- (B) Unless the provision of 2.2.1(B) or 2.5 following apply, if a customer fails to comply with 2.1.6

ACCESS SERVICE TARIFF

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) (Cont'd)

preceding or 2.2.2, 2.3.1, 2.3.4, 2.3.5, or 2.4 following, including any payment to be made by it on the dates and times herein specified, the Telephone Company may, on thirty (30) day's 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) day's 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 Limitation of Use of Metallic Facilities

Signals applied to a metallic facility shall conform to the limitations set forth in Technical Reference Publication AS No. 1. Where necessary, the customer shall be responsible for the provision of current limiting devices to protect Telephone Company facilities from excessive current due to abnormal conditions and for the provisions of noise mitigation networks when required to reduce excessive noise.

2.1.10 Notification of Service-Affecting Activities

The Telephone Company will provide the customer reasonable notification of service-affecting activities that may occur in normal operation of its business. Such activities may include, but are

ACCESS SERVICE TARIFF

2. General Regulations (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

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

not limited to, equipment additions, removals, and routine preventative maintenance. 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.

2.1.11 Provision and Ownership of Telephone Numbers

The Telephone Company reserves the reasonable right to assign, designate or change telephone numbers 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, the Telephone Company will furnish to the customer 6 months notice, by certified mail, of the effective date and an explanation of the reason(s) for such changes(s).

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.

2.2 Use

2.2.1 Interference or Impairment

(A) The facilities and equipment provided by the customer which are used in conjunction with Telephone Company facilities in the provision of Access Service shall not interfere with or impair the provision of service by the Telephone Company.



ACCESS SERVICE TARIFF

2. General Regulations (Cont'd)

2.2 Use (Cont'd)

2.2.1 Interference or Impairment (Cont'd)

- (B) If interference as described in (A) above exists, except for equipment subject to the F.C.C. Part 68 rules in 47 C.F.R. Section 68.108, when practicable, the Telephone Company will notify the customer that service will be temporarily disconnected until the problem is corrected. When prior notice is not practical, the Telephone Company may temporarily disconnect services without prior notification to the customer. The customer will be notified of the action as soon as possible and given the opportunity to correct the problem. During the period of discontinuance, the credit allowance for service interruptions as set forth in 2.4.3 following does not apply.

2.2.2 Unlawful Use

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

2.3 Obligations of the Customer

2.3.1 Damages

The customer shall reimburse the Telephone Company for damages to the Telephone Company facilities utilized to provide services under this tariff caused by the negligence or willful act of the customer, or resulting from the customer's improper use of the Telephone Company facilities, or due to malfunction of any facilities or equipment provided by other than the Telephone Company. Nothing in the foregoing provision shall be interpreted to hold one customer liable for another customer's actions. The Telephone Company will, upon reimbursement for damages, cooperate with the

ACCESS SERVICE TARIFF

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.1 Damages (Cont'd)

customer in prosecuting a claim against the person causing such damage and the customer shall be subrogated to the right of recovery by the Telephone Company for the damages to the extent of such payment.

2.3.2 Ownership of Facilities

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. Any cost of repair or replacement for unreasonable wear or damage will be billed to the customer who utilized the equipment.

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 space at reasonable times for installing, testing, repairing or removing Telephone Company services.

2.3.4 Availability for Testing

The services provided under this tariff shall be available to the Telephone Company at times mutually agreed upon in order to permit the Telephone Company to make tests and adjustments

ACCESS SERVICE TARIFF

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.4 Availability for Testing (Cont'd)

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

2.3.5 Balance

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

2.3.6 Design of Customer Services

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

2.3.7 References to the Telephone Company

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

ACCESS SERVICE TARIFF

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.8 Claims and Demands for Damages

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

ACCESS SERVICE TARIFF

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.9 Jurisdictional Report Requirements

- (A) When a customer orders Feature Group C Switched Access Service(s), the Telephone Company, where the jurisdiction can be determined from the call detail, will, unless the customer provides the projected interstate percentage for interstate usage for each end office group in its order, determine the projected interstate percentage as follows. For Originating access minutes, the projected interstate percentage will be developed on a monthly basis by end office when the Feature Group C Switched Access Service access minutes are measured by dividing the measured interstate originating access minutes (the access minutes where the calling number is in the same state as the called number) by the total originating access 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 customer shall supply the projected interstate percentage or authorize the Telephone Company to use the Telephone Company developed percentage. This percentage shall be used by the Telephone Company as the interstate percentage for such call detail. The Telephone Company will designate the number obtained by subtracting the projected interstate percentage for originating and terminating access minutes calculated by the Telephone Company from 100 (100 - Telephone Company calculated projected interstate percentage = intrastate percentage) as the projected intrastate percentage of use.

ACCESS SERVICE TARIFF

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.9 Jurisdictional Report Requirements (Cont'd)

- (B) Except where the Telephone Company measured access minutes are used as set forth in (A) preceding, the customer reported interstate percentage of use as set forth in (A) preceding will be used until the customer reports a different projected interstate percentage for an in service end office group. When the customer adds BHMC to an existing end office group, the customer shall furnish a projected interstate percentage that applies to the added BHMC. When the customer discontinues BHMC from an existing group, the customer shall furnish a projected interstate percentage for the discontinued BHMC in the end office group. 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) Effective on the first of January, April, July and October of each year the customer shall update the interstate and intrastate jurisdiction report. The customer shall forward to the Telephone Company, to be received no later than 15 days after the first of each such month, a revised 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 revised report will serve as the basis for the next three months billing and will be effective on the bill date for that service. No prorating or back billing will be done based on the report.

If the customer does not supply the reports, the Telephone Company will assume the percentages to be the same as those provided in the last quarterly

ACCESS SERVICE TARIFF

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.9 Jurisdictional Report Requirements (Cont'd)

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 (A) preceding.

2.3.10 Determination of Intrastate Charges for Mixed Interstate and Intrastate Access Service

When mixed interstate and intrastate Access Service is provided, all charges (i.e., nonrecurring, monthly and/or usage), will be prorated between interstate and intrastate. The percentage provided in reports as set forth in 2.3.9 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 and calls) chargeable rate elements, multiply the percent intrastate used time actual use times the state tariff rate.

The intrastate percentage will change as revised usage reports are submitted as set forth in 2.3.9 preceding.

ACCESS SERVICE TARIFF

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.11 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 of VoIP-PSTN Traffic that is required to be compensated at interstate 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.

(B) VoIP-PSTN Traffic identified in accordance with this tariff section will be billed at rates equal to the Telephone Company's applicable tariffed interstate switched access rate as specified in Section 14 following. (C)

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

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.



ACCESS SERVICE TARIFF

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.11 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 CenturyLink Operating Companies Tariff F.C.C. No. 6, Section 17 when applicable based on the schedule shown above.   | (M)  | (C) |
| (C) | <u>Calculation and Application of Percent VoIP Usage Factors</u>  | (M)  | (C) |
| (1) | The 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. | (M)  | (T) |
| (2) | The Telephone Company will use state average data and the customer provided Facility PVU to determine the monthly recurring credit for terminating VoIP-PSTN Traffic.   | (M)  | (N) |
| (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.   | (M1) | (T) |
| (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.  | (M1) | (T) |

(M) Material moved from Original Page 29.1 of this section.

(M1) Material moved from Original Page 29.2 of this section.

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ACCESS SERVICE TARIFF

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.11 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 Telephone 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.

(T)

(M)

(N)

(N)

(T)

(T) (C)  
(C)

(T)

(T)

(M) Material moved to Original Page 29.1.1 of this section.

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ACCESS SERVICE TARIFF

2. General Regulations (Cont'd)

(N)

2.3 Obligations of the Customer (Cont'd)

2.3.11 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.

(N)

ACCESS SERVICE TARIFF

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.11 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. (C)

(C)

(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. (T)

(T)

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ACCESS SERVICE TARIFF

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.11 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.

(C)  
(C)  
(C)

(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.

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ACCESS SERVICE TARIFF

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance

2.4.1 Payment of Rates, Charges and Deposits

- (A) The Telephone Company will require a deposit from all customers with a proven history of late payments to the Telephone Company and all customers who do not have established credit unless the customer is a successor of a company which has established credit and has no history of late payments to the Telephone Company. The deposit may be required prior to or after establishment of service. The total deposit may not exceed the estimated charges for service for a two month period.

The fact that a deposit has been made does not relieve the customer from the responsibility of complying with the Telephone Company's regulations regarding prompt payment of bills. Annual interest at the rate described in the 2.4.1(B)(3)(b) will be paid on all deposits held from the date the deposit is received up to and including the date the deposit is returned or credited to the customer's account. The deposit will be refunded after the customer has established a record of prompt payment for one year. When service is terminated, any deposit held will be credited on the final bill.

- (B) The Telephone Company will bill all usage charges monthly in arrears. All non usage sensitive access services, including End Use Access Service, will be billed monthly in advance. Nonrecurring charges will be billed in the month following the provision of service.
- (1) The bill day for End User Access Service will be the same day established for the provision of local service.
- (2) The bill day(s) for all access services other than End User Access Service will be established by the Telephone Company for each customer account and shall appear on the carrier access bill.

ACCESS SERVICE TARIFF

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

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

(B) (Cont'd)

(3) (a) Payment for service is due by the next bill day of the following month unless the due date falls on a Saturday, Sunday or legal holiday (i.e., New Years, Independence Day, Labor Day, Thanksgiving, Christmas, Veterans Day the days when Washington's Birthday, Memorial Day, and Columbus Day are legally observed). 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) If any portion of the payment is received by the Telephone Company after the payment date as set forth in (B)(3) preceding, or if any portion of the payment is received by the Telephone Company in funds which are not immediately available to the Telephone Company, then a late payment penalty shall be due to the Telephone Company in addition to the outstanding amount. The late payment penalty shall be the portion of the payment not received by the payment date times a late factor. The late 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) In the event that a billing dispute concerning charges billed to the customer by the Telephone Company is resolved in favor of the Telephone Company is resolved in favor of the Telephone Company, any disputed payments withheld pending settlement of the dispute shall be subject

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(C)

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ACCESS SERVICE TARIFF

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

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

(B) (Cont'd)

(3) (c) (Cont'd)

to the late payment beginning 10 days after the payment date. If the dispute is resolved in favor of the customer, no late payment penalty will apply to the disputed amount. In this case, if full payment was made by the due date, the Telephone Company will refund the disputed amount in question plus interest calculated daily from 10 days following the due date up to and including the date the payment is refunded. Interest will be calculated as described in (b) above.

(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 upon 31 days notice to the customer may 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 due the customer or require the customer to pay the Telephone Company the net amount when the 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) For services provided on a monthly basis, the charge for the provision of a fractional months service will be determined by dividing the number of days that service was provided by 30 and multiplying the result times the monthly rate. This calculation will be made subject to any minimum service periods required for specific services.



ACCESS SERVICE TARIFF

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

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

- (E) When a rate as set forth in this tariff is shown to more than two decimals 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 decimals places).

2.4.2 Minimum Periods

- (A) Unless a minimum service period is described for a specific tariff item, the minimum period for which services are provided and for which rates and charges are applicable is one month.

When a service is discontinued prior to the expiration of the minimum period, the total charges at the rate level in effect at the time service is discontinued will apply for the remainder of the minimum period. If the discontinued service is provided based on usage, applicable minimum monthly usage charges (MMUC) will apply for the remainder of the minimum period. If the service is not subject to MMUC, the Telephone Company will estimate usage to the end of the minimum period based on historical data.

- (B) The minimum period for Billing Service as described in Section 8.2 is one year. In this case, the charge will be the lesser of the Telephone Company's non-recoverable costs for the discontinued service or the minimum period charges described in (A) above.

ACCESS SERVICE TARIFF

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

2.4.3 Credit Allowance for Service Interruptions

(A) General

A service is interrupted when it becomes unusable to the customer because of a failure of facilities 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. An interruption period starts when an inoperative service is reported to the Telephone Company and ends when the service is operative. An allowance for interruption will apply only when the interruption is not due to the negligence of the customer. The credit allowance for an interruption or for a series of interruptions shall not exceed the monthly rate and minimum monthly usage charge for the service interrupted in any one monthly billing period.

(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 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 or minimum monthly usage charge for each period of 24 hours or major fraction (12 hours and one minute) thereof that the interruption continues.

ACCESS SERVICE TARIFF

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

2.4.3 Credit Allowance for Service Interruptions (Cont'd)

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

(2) For 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 (16 minutes or more) thereof that the interruption continues.

(a) For two-point service, the monthly charge shall be the total of all the monthly rate element charges associated with the service (i.e., a channel termination per customer designated premises, channel mileage and optional features and functions).

(b) If a portion of a service such as a portion of a multipoint special access facility can still be utilized during the service interruption, the credit allowance will only apply to the services which are inoperative (i.e., a channel termination per customer designated premises, channel mileage and optional features and functions).

(C) When a Credit Allowance Does Not Apply

No credit allowance will be made for:

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

ACCESS SERVICE TARIFF

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

2.4.3 Credit Allowance for Service Interruptions (Cont'd)

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

- (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 a change order during the time that was negotiated with the customer prior to the release of service. Thereafter, a credit allowance as set forth in (b) preceding applies.
- (5) Periods when the customer elects not to release the service for testing and/or repair and continues to use it on an impaired basis.

2.4.4 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 for the same customer following an interruption resulting from a fire, flood or other occurrence attributed to an Act of God provided that:

ACCESS SERVICE TARIFF

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

2.4.4 Re-establishment of Service Following Fire, Flood, or Other Occurrence  
(Cont'd)

(A) Nonrecurring Charges Do Not Apply (Cont'd)

- (1) The service is of the same type as was provided prior to the interruption.
- (2) The service is at the same location on the same premises.
- (3) The re-establishment of service begins within 60 days after Telephone Company service is available.

(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.

2.4.5 Access Services Provided by More Than One Telephone Company

When an Access Service is provided by more than one Telephone Company, the Telephone Companies involved will utilize the billing method described below.

The customer will place the order for the service as set forth in 5.9. The Telephone Company receiving the order or copy of the order from the customer will be responsible for billing the customer.

ACCESS SERVICE TARIFF

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

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

(A) Multiple Company (Interconnection Point) Billing:

Each Telephone Company receiving an order or copy of the order from the customer, as specified in 5.9 following will determine the applicable charges for the portion of the service it provides and bill in accordance with its Access Service tariff as follows:

- (a) For FGC service, the portion of the Local Transport provided by the Telephone Company is not distance sensitive. The Local Transport provided by the Telephone Company is not distance sensitive. The Local Transport rate described in 6.4 will apply to the total number of access minutes. The rate charged for the portion of Local Transport provided by a connecting exchange Telephone company will be based on the connecting exchange Telephone Company's access tariff and may be distance sensitive.
- (b) For Special Access, the portion of the Channel Mileage provided by the Telephone Company is not distance sensitive. The Channel Mileage charge will apply as described in 7.1.1(C). The rate charged for the portion of Channel Mileage provided by a connecting exchange Telephone Company will be based on the connecting exchange Telephone Company's access tariff and may be distance sensitive.

(M)  
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(M) Material moved to Page 39.

Issued: June 16, 2017

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Director of Regulatory Operations  
600 New Century Parkway  
New Century, Kansas 66031

Effective: July 1, 2017

ACCESS SERVICE TARIFF

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

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

(B) Meet Point Billing

Meet Point Billing is required when an access service is provided by multiple Telephone Companies for Feature Groups B, C, and D Switched Access Services, Directory Assistance, and Special Access. It is optional for Feature Group A Switched Access Service.

Each Telephone Company jointly providing the access service will receive an order or a copy of the order from the customer as specified in 5.9 following and arrange to provide the service.

For usage rated access services the access minutes of use will generally be determined by the recording company. Where the recording company is not the Bill Rendering Company, the recording company will provide detailed usage records to the Bill Rendering Company to develop the access minutes.

The Bill Rendering Company in a single bill arrangement for Feature Groups B, C, and D Switched Access Services, is normally the end user's end office, for WATS usage the Bill Rendering Company is normally the WATS Serving Office, for Directory Assistance, the Bill Rendering Company is normally the Directory Assistance location. The name of the Bill Rendering Company will be included in the meet point billing notification provided to the customer by all the telephone companies on all meet point billed services.

The non Bill Rendering Company(s) is any Telephone Company(s) in whose territory a segment of the Local Transport or Channel Mileage is provided and/or where the customer's Point of Termination is located.

There are two Meet Point Billing Options: Single Bill and Multiple Bill. These billing options are explained in (1) and (2) following. The Single Bill option is the preferred method. However, when a single bill option can not be agreed to by all telephone companies providing service, the multiple bill option is the default.

Each telephone company must provide meet point billing notification to the customer, in writing, when new service is ordered or 30 days prior to changing an existing meet point arrangement. The notification should include the following:

(N)

(N)

## ACCESS SERVICE

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

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

##### 2.4.5 Access Services Provided by More Than One Telephone Company

###### (B) Meet Point Billing (Cont'd)

- The Meet Point Billing Option that will be used;
- The Telephone Company(s) that will render the bill(s);
- The Telephone Company(s) to whom payment(s) should be remitted; and
- The Telephone Company(s) that will provide the bill inquiry function.

A Telephone Company that renders a meet point bill, the Bill Rendering Company, will render the bill in accordance with the industry standards as described in the Multiple Exchange Carrier Access Billing (MECAB) Guidelines and the Multiple Exchange Carrier Ordering and Design (MECOD) Guidelines. The bill will include cross reference(s) to the other telephone Company(s) providing service and common circuit identifiers. Should a billing dispute arise, the terms and conditions of the Bill Rendering company will apply.

###### (1) Single Bill Option

The single bill option allows the customer to receive one bill for access services that are provided by more than one company. The single bill option provides the following two billing alternatives:

- Single Bill/Multiple Tariff; and
- Single Bill/Single Tariff.

These options are described following in (a) and (b) respectively.

(N)

(N)



ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.5 Access Services Provided by More Than One Telephone Company

(B) Meet Point Billing (Cont'd)

(1) Single Bill Option (Cont'd)

(a) Single Bill/Multiple Tariff

The single bill/multiple tariff bill is prepared by the Bill Rendering Company but reflects all rates and charges for each connecting company's part of the service based on each company's access tariff.

The Bill Rendering Company will:

- determine and include all recurring and nonrecurring rates and charges for each involved Telephone Company;
- identify each involved Telephone Company's rates and charges separately on the bill;
- forward the bill to the customer and provide a copy of the bill or other substantiation of the charges to the connecting Telephone Companies; and
- advise the customer how to remit the payment, either directly to each Telephone Company involved in the provision of this meet point billed service, or, as a single payment made to the Bill Rendering Company. If payments are to be sent directly to the Bill Rendering Company, the non Bill Rendering Company(s) will provide the customer with written authorization for the payment arrangement.

(b) Single Bill/Single Tariff

The single bill/single tariff bill provides a meet point bill that is billed completely at the Billing Rendering Company's tariff rates and regulations.

The Bill Rendering Company will:

- determine and include on the access bill all usage data and all other recurring and nonrecurring rates and charges per its access tariff; and
- forward the bill to the customer.

The customer will remit the payment to the Bill Rendering Company.

(N)

(N)

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.5 Access Services Provided by More Than One Telephone Company

(B) Meet Point Billing (Cont'd)

(2) Multiple Bill Option

Under the Multiple Bill Option each company providing the access service will render an access bill to the customer for its portion of the service based on its access tariff rates and regulations. For switched access Multiple bills the end office company is generally the Initial Billing Company (IBC). The IBC is the company that calculates the access minutes to be billed to the customer and provides this data to each connecting company providing service, i.e., the Subsequent Billing Company(s). Each company, IBC and SBC, will:

- prepare its own bill;
- determine its charge(s) for Local Transport, Direct Transport, and/or Channel Mileage as set forth in (3) following;
- determine and include all recurring and nonrecurring rates and charges of its access tariff;
- reflect its Billing Account Reference (BAR) and all connecting company Billing Account Cross Reference (BACR) code(s);
- forward its bill to the customer.

The customer will remit payment directly to each Bill Rendering Company.

(N)

(N)

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.5 Access Services Provided by More Than One Telephone Company

(B) Meet Point Billing (Cont'd)

(N)

(3) Determination of Meet Point Billed Local Transport, Direct Transport and Channel Mileage Charges

Each Telephone Company's portion of the Local Transport and Channel mileage will be developed as follows:

- (a) Determine the appropriate Local Transport or Channel Mileage by computing the number of airline miles between the Telephone Company premises (end office, access tandem or serving wire centers for Switched Access or serving wire centers for Special Access) using the V&H method set forth respectively in 6.4.6 following.
- (b) Determine the billing percentage (BP), as set forth in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4, which represents the portion of the service provided by each Telephone Company.
- (c) 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 a 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.

For Feature Groups A, B, C and D Tandem Switched Transport:

- multiply the number of originating and terminating access minutes of use routed over the facility times the number of airline miles, as set forth in (a) preceding, times the BP for each Telephone Company, as set forth in (b) preceding, times the Tandem Switched Facility rate;
- multiply the Tandem Switched Termination rate times the number of originating and terminating access minutes routed over the facility.

(N)

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.5 Access Services Provided by More Than One Telephone Company

(B) Meet Point Billing (Cont'd)

(3) Determination of Meet Point Billed Local Transport, Direct Transport and Channel Mileage Charges (Cont'd)

(c) (Cont'd)

For Feature Groups A, B, C and D Tandem Switched Transport:  
(Cont'd)

The Tandem Switched Termination rate is applied as set forth in 6.1.3(A) following. The Switched Access Nonrecurring Charges are applied as set forth in 6.4.1(B) following. (Note: The BP is not applied to the Switched Access Tandem Switched Termination rate or any Nonrecurring Charge.)

(d) For Feature Groups A, B, C, and D Direct Trunked Transport:

- multiply the number of airline miles, as set forth in (a) preceding, times the BP for each Telephone Company, as set forth in (b) preceding, times the Direct Trunked Facility rate.
- The Direct Trunked Termination rate is applied as set forth in 6.1.3(A) following. The Switched Access Nonrecurring Charges are applied as set forth in 6.4.1(B) following. (Note: The BP is not applied to either the Switched Access Direct Trunked Termination rate or any Nonrecurring Charge.)

(e) For Feature Groups A, B, C, and D:

- The Billing Percentage (BP) is not applicable to the Entrance Facility or Multiplexer.

(f) For Special Access, multiply the number of airline miles, as set forth in (a) preceding, times the BP for each Telephone Company, as set forth in (b) preceding, times the Channel Mileage Facility rate and add the Channel Mileage Termination rate.

The Special Access Channel Mileage Termination rate and nonrecurring charges are applied as set forth in 7.1.1 and 7.4.1 following. (Note: The BP is not applied to either the Channel Mileage Termination Recurring Rate or any Nonrecurring Charge.)

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.5 Access Services Provided by More Than One Telephone Company

(B) Meet Point Billing (Cont'd)

(3) Determination of Meet Point Billed Local Transport, Direct Transport and Channel Mileage Charges (Cont'd)

- (g) When three or more Telephone Companies are involved in providing an Access Service, the intermediate Telephone Company(s) will determine the charges as set forth in (c) through (f) preceding.

Additionally, when a segment of the Tandem Switched Facility, Direct Trunked Facility or Channel Mileage Facility is measured to the intermediate office(s), the Tandem Switched Termination, Direct Trunked Termination or Channel Mileage Termination rates are also applied at the intermediate Telephone Company(s) office(s).

(h) 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 Trunk Transport BP = 40%
  - o TC-B Direct Trunk Transport BP = 60%
  - o Direct Trunked Transport mileage = 26 mi.
  - o Tandem Switched Transport mileage = 23 mi.

(N)

(N)

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

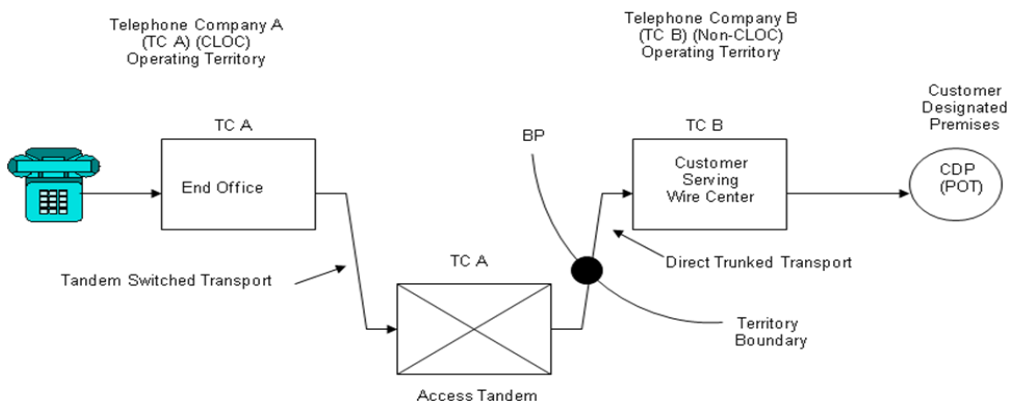
2.4.5 Access Services Provided by More Than One Telephone Company

(B) Meet Point Billing (Cont'd)

(3) Determination of Meet Point Billed Local Transport, Direct Transport and Channel Mileage Charges (Cont'd)

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

Diagram 1



(N)

(N)

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.5 Access Services Provided by More Than One Telephone Company

(B) Meet Point Billing (Cont'd)

(3) Determination of Meet Point Billed Local Transport, Direct Transport and Channel Mileage Charges (Cont'd)

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

Shared Multiplexing charge  
= 9,000 min x SM rate

(N)

(N)

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.5 Access Services Provided by More Than One Telephone Company

(B) Meet Point Billing (Cont'd)

(3) Determination of Meet Point Billed Local Transport, Direct Transport and Channel Mileage Charges (Cont'd)

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

(N)

(N)



ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.5 Access Services Provided by More Than One Telephone Company

(B) Meet Point Billing (Cont'd)

(3) Determination of Meet Point Billed Local Transport, Direct Transport and Channel Mileage Charges (Cont'd)

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

Diagram 2A

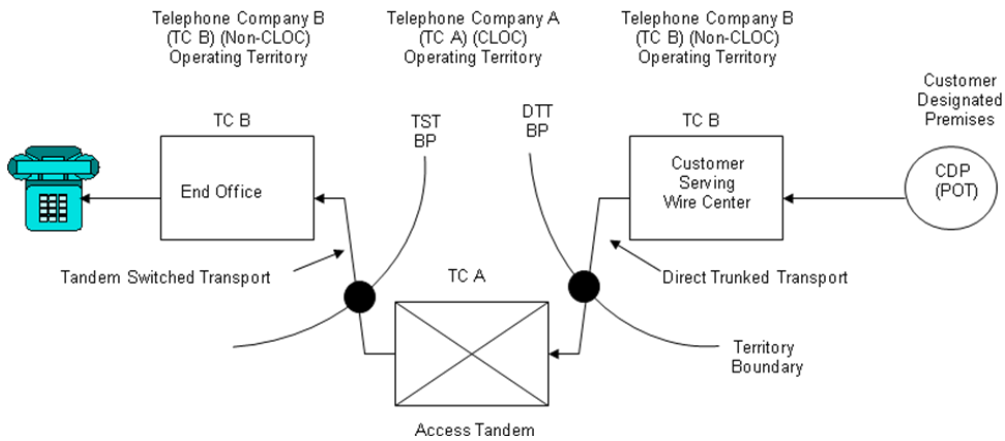
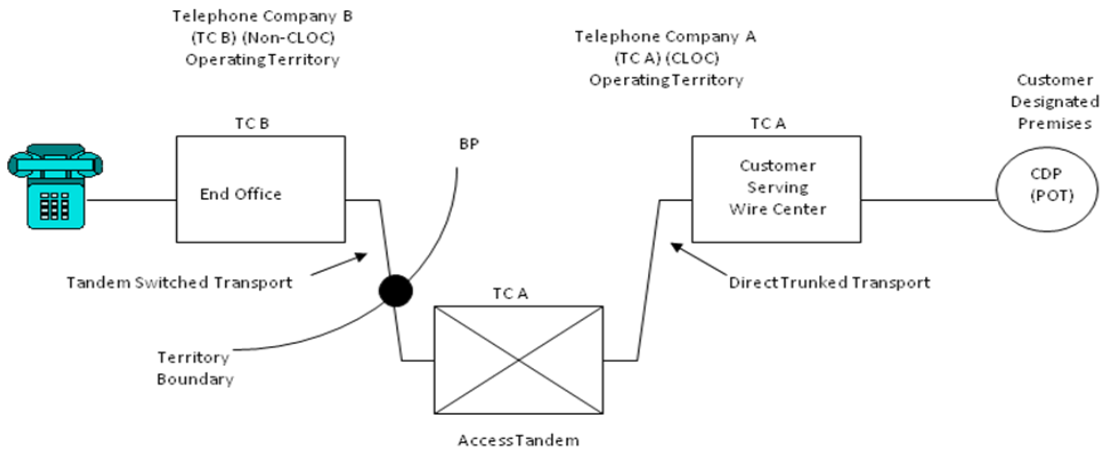


Diagram 2B



BP = Billing Percentage

(N)

(N)

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.5 Access Services Provided by More Than One Telephone Company

(B) Meet Point Billing (Cont'd)

(3) Determination of Meet Point Billed Local Transport, Direct Transport and Channel Mileage Charges (Cont'd)

(i) 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

Shared Multiplexing – 3rd Party charge  
= 9,000 min x SM-3rd Party rate

(N)

(N)

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.5 Access Services Provided by More Than One Telephone Company

(B) Meet Point Billing (Cont'd)

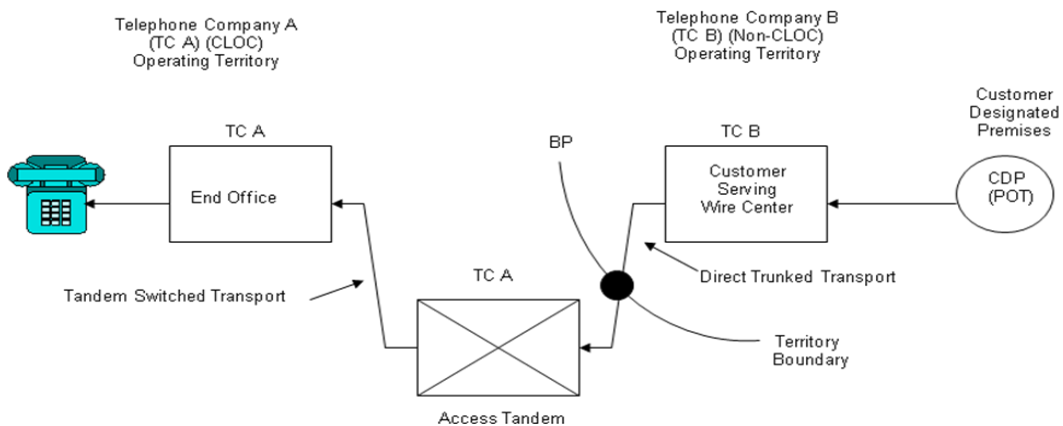
(3) Determination of Meet Point Billed Local Transport, Direct Transport and Channel Mileage Charges (Cont'd)

(j) 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:
  - o TC-A Direct Trunk Transport BP = 40%
  - o TC-B Direct Trunk Transport BP = 60%
  - o Direct Trunk Transport mileage = 26 mi.
  - o Tandem Switched Transport mileage = 23 mi.

Diagram 3



(N)

(N)

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.5 Access Services Provided by More Than One Telephone Company

(B) Meet Point Billing (Cont'd)

(3) Determination of Meet Point Billed Local Transport, Direct Transport and Channel Mileage Charges (Cont'd)

(j) 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

Shared Multiplexing – End Office charge  
= 9,000 min x SM-End Office rate

(N)

(N)

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.5 Access Services Provided by More Than One Telephone Company

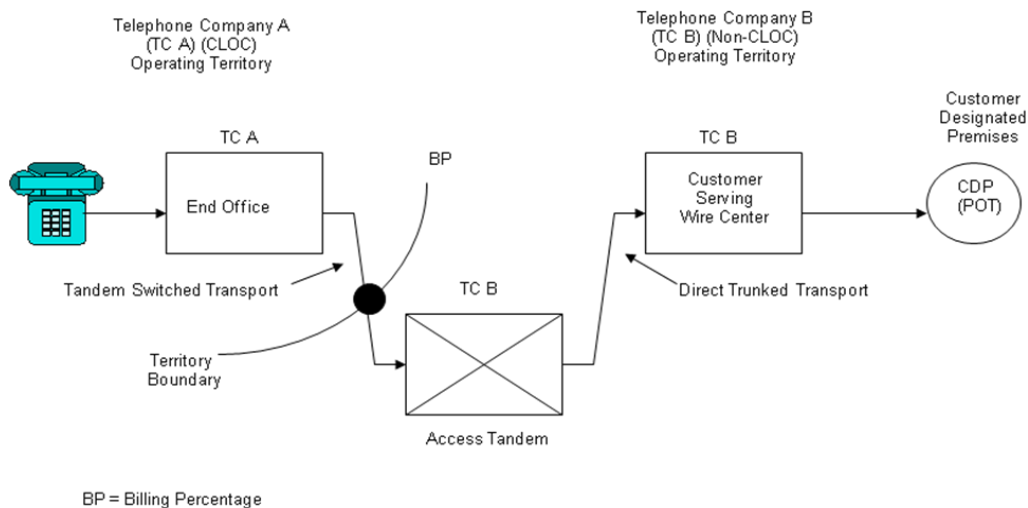
(B) Meet Point Billing (Cont'd)

(3) Determination of Meet Point Billed Local Transport, Direct Transport and Channel Mileage Charges (Cont'd)

(k) 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:
  - o Direct Trunk Transport mileage = 26 mi.
  - o TC-A Tandem Switched Transport BP = 80%
  - o TC-B Tandem Switched Transport BP = 20%
  - o Tandem Switched Transport mileage = 23 mi.

Diagram 4



(N)

(N)

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.5 Access Services Provided by More Than One Telephone Company

(B) Meet Point Billing (Cont'd)

(3) Determination of Meet Point Billed Local Transport, Direct Transport and Channel Mileage Charges (Cont'd)

(k) 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

(N)

(N)

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.5 Access Services Provided by More Than One Telephone Company

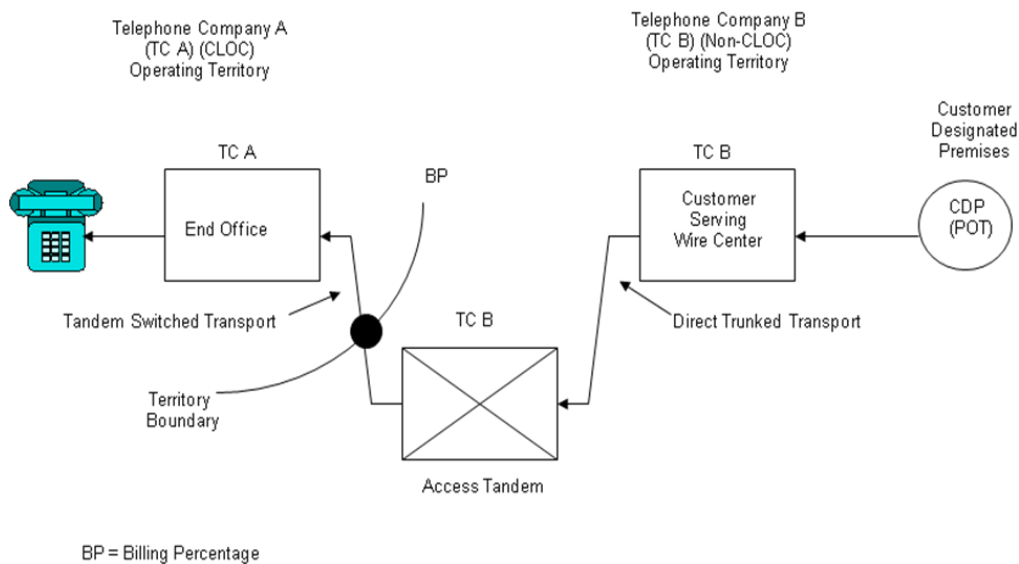
(B) Meet Point Billing (Cont'd)

(3) Determination of Meet Point Billed Local Transport, Direct Transport and Channel Mileage Charges (Cont'd)

(I) 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



(N)

(N)

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.5 Access Services Provided by More Than One Telephone Company

(B) Meet Point Billing (Cont'd)

(3) Determination of Meet Point Billed Local Transport, Direct Transport and Channel Mileage Charges (Cont'd)

(I) 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

(N)

(N)



## ACCESS SERVICE TARIFF

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

#### 2.5 Connections

(M)

##### 2.5.1 General

Customer Premises Equipment and Systems may be connected with Switched and Special Access Service furnished by the Telephone Company where such connection is made in accordance with the provisions specified in Technical Reference Publication AS No. 1 and in 2.1 preceding.

(M)

#### 2.6 Definitions

##### Access Order

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

##### Access Minutes

The unit of usage of exchange facilities in intrastate service for the purpose of calculating chargeable usage. On the originating end of an intrastate call, usage is measured from the time the originating end user's call is delivered by the Telephone Company to and acknowledged as received by the customer's facilities connected with the originating exchange. On the terminating end of an intrastate, 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 call shall terminate when the calling or called party disconnects, whichever event is recognized first in the originating and terminating end exchanges, as applicable.

##### Access Tandem

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.

(M) Material moved from Page 38.

Issued: June 16, 2017

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Effective: July 1, 2017

ACCESS SERVICE TARIFF

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Answer/Disconnect Supervision

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

Balance (100 Type) Test Line

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

Business Day

The times of day that a company is open for business. Business Day hours for the Telephone Company may be determined by contacting the business office.

Busy Hour Minutes of Capacity (BHMC)

The customer specified maximum amount of Switched Access Service access minutes the customer expects to be handled in an end office switch during any hour in an 8:00 a.m. to 11:00 p.m. period for the Switched Access Service ordered. This customer furnished BHMC quantity is the input data the Telephone Company uses to determine the number of transmission paths for the Switched Access Service ordered.

Call

A customer attempt for which complete address information (e.g., 0-, 911, or 10 digits) is provided to the serving dial tone office.

Carrier or Common Carrier

See Interexchange Carrier.

ACCESS SERVICE TARIFF

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

CCS

A standard unit of traffic load that is equal to 100 seconds of usage or capacity of a group of servers (e.g., trunks). Also known as "100 call seconds"

Central Office

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.

Centrex CO Service

A service that (1) uses a portion of a Telephone Company switch located at the Telephone Company central office to meet the customer's internal needs and serves as the customer's interface with the local and interexchange networks and (2) links the customer's main station to the Telephone Company switch with subscriber loops.

Channels

A communications path between two or more points of termination.

Coin Station

A location where Telephone Company equipment is provided in a public or semipublic place where Telephone Company customers can originate telephonic communications and pay the applicable charges by inserting coins into the equipment.

Common Line

A line, trunk, pay telephone line or other facility provided under the general and/or local exchange service tariffs of the Telephone Company and terminated on a

ACCESS SERVICE TARIFF

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Common Line (Cont'd)

central office switch. A common line-residence is a line or trunk provided under the residence regulations of the 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.

Communications System

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

Customer Message

A completed intrastate call originated by a customer's end user. A customer message begins when answer supervision from the premise of the ordering customer is received by Telephone Company recording equipment indication that the called party has answered. A message ends when disconnect supervision is received by Telephone Company recording equipment from either the premise of the ordering customer or the customer's end user premise from which the call originated.

Customer Designated Premises

The premises specified by the customer for the provision of Access Service.

Customers

Any individual, partnership, association, joint-stock company, trust, corporation, or governmental entity or other entity which subscribes to the services offered under this tariff, including both Interexchange Carriers (ICs) and End Users.

ACCESS SERVICE TARIFF

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Data Transmission (I07 Type) Test Line

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.

Detail Billing

The listing of each message and/or rate element for which charges to a customer are due on a bill prepared by the Telephone Company.

Effective 2-Wire

A condition which permits the simultaneous transmission in both directions over a channel, which does not insure independent information transmission in both directions. Effective 2-wire channels may be terminated with 2-wire or 4-wire interfaces.

Effective 4-Wire

A condition which permits the simultaneous independent transmission of information in both directions over a channel. The method of implementing effective 4-wire transmission is at the discretion of the Telephone Company (physical, time domain, frequency-domain separation or echo cancellation techniques).

End Office Switch

A local Telephone Company switching system where Telephone Exchange Service customer common lines are terminated for purposes of interconnection to trunks. Included are Remote Switching Modules and Remote Switching Systems served by a host office in a different wire center.

ACCESS SERVICE TARIFF

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

End User

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

Entry Switch

See First Point of Switching

Exchange

A unit generally smaller than a local access and transport area, established by the Telephone Company for the administration of communications service in a specified area which usually embraces a city, town or village and its environs. It consists of one or more central offices together with the associated facilities used in furnishing communications service within that area.

First Point of Switching

The first Telephone Company location at which switching occurs on the terminating path of a call proceeding from the customer premises to the terminating end office and, at the same time, the last Telephone Company location at which switching occurs on the originating path of a call proceeding from the originating end office to the IC or customer premises.

Host Office

An electronic switching system which provides call processing capabilities for one or more Remote Switching Modules or Remote Switching Systems.

ACCESS SERVICE TARIFF

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Immediately Available Funds

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

Individual Case Basis

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.

Interconnection Point

The V and H coordinate as determined in the National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4 of a point where facilities of the Telephone Company meets facilities of a connecting exchange telephone company.

Interexchange Carrier (IC) or Interexchange Common Carrier

Any individual, partnership, association, joint-stock company, trust, governmental entity or corporation engaged for hire in intrastate communications by wire or radio, between two or more exchanges.

Interstate Call

A term which denotes both interstate and foreign communications.

Intrastate Call

Any communications within a state subject to oversight by the state regulatory commission.

ACCESS SERVICE TARIFF

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Line-Side Connection

A connection of a transmission path to the line side of a local exchange switching system.

Local Access and Transport Area

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

Loop Around Test Line

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

Message

See "Call".

Milliwatt (102 Type) Test Line

An arrangement in an end office which provides a 1004 Hz tone at 0 dBm0 for one-way transmission measurements towards the customer's premises from the Telephone Company end office.

Net Salvage

The estimated scrap, sale, or trade-in value, less the estimated cost of removal. Cost of removal includes the



ACCESS SERVICE TARIFF

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Net Salvage (Cont'd)

costs of demolishing, 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.

Network Control Signaling

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

**Non-Toll Free**

**All calls that are not toll free (8YY) as established by the FCC's 8YY Access Charge Reform Order (FCC 20-143) released on October 9, 2020.**

(N)

(N)

(N)

Nonsynchronous Test Line

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

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 active condition of Switched Access or a Telephone Exchange Service line.

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ACCESS SERVICE TARIFF

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

On-hook

The idle condition of Switched Access or a Telephone Exchange Service line.

Open Circuit Test Line

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

Originating Direction

The use of access service for the origination of calls from an End User Premises to an IC Premises.

Pay Telephone

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

Point of Termination

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

Premises

A building or buildings on continuous property (except Railroad Right-of-Way, etc.) not separated by a public highway.

Remote Switching Modules and/or Remote Switching Systems

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

ACCESS SERVICE TARIFF

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Registered Equipment

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

Serving Wire Center

The wire center from which the customer designated premises would normally obtain dial tone from the Telephone Company.

Shortage of Facilities or Equipment

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

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.

Special Order

An order for a Billing and Collection Service.

Synchronous Test Line

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

Terminating Direction

The use of Access Service for the completion of calls from an IC premises to an End User Premises.

## ACCESS SERVICE TARIFF

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

#### 2.6 Definitions (Cont'd)

Termination Liability - The amount which will be billed if services using specially constructed facilities are terminated prior to the expiration of the Termination Liability Period.

**Toll Free Code (TFC) - 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 and calls, when dialed 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.

Transmission Measuring (I05 Type) Test Line - An arrangement in an end office which provides far-end access to a recorder and permits two-way loss and noise measurements to be made on trunks from a near end office.

Transmission Path - 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 - A communications path connecting two switching systems in a network, used in the establishment of an end-to-end connection.

Trunk Group - 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 connection of a transmission path to the trunk side of a local exchange switching system. This type of connection is used when providing FGC Switched Access Service.

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(N)

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ACCESS SERVICE TARIFF

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Two-Wire to Four-Wire Conversion

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 (e.g., a central office switch).

Uniform Service Order Code

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

V and H Coordinates Method

A method of computing airline miles between two points by utilizing an established formula which is based on the vertical and horizontal coordinates of the two points.

WATS Serving Office

The term "WATS Serving Office" denotes a Telephone Company designated serving wire center where switching, screening and/or recording functions are performed in connection with the closed-end of WATS or WATS-type services.

Wire Center

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

ACCESS SERVICE TARIFF

3. Carrier Common Line Access Service

The Telephone Company will provide Carrier Common Line Access Service (Carrier Common Line Access) to customers.

3.1 General Description

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

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

In addition, a Special Access Surcharge, as set forth in 7.3 following, will apply to intrastate special access service provided by the Telephone Company to a customer, in accordance with regulations as set forth in 7.3 following.

3.2 Limitations

- (A) A telephone number is not provided with Carrier Common Line Access.
- (B) Detail billing is not provided for Carrier Common Line Access.
- (C) Directory listings are not included in the rates and charges for Carrier Common Lines Access.
- (D) Intercept arrangements are not included in the rates and charges for Carrier Common Line Access.
- (E) All line side connections provided in the same combined access group will be limited to the same features and operating characteristics.
- (F) All trunk side connections provided in the same combined access group will be limited to the same features and operating characteristics.

ACCESS SERVICE TARIFF

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

3.2 Limitations (Cont'd)

- (G) Where WATS Access Service is provided which terminates at a WATS Serving Office, minutes which are carried on that service (i.e., originating minutes for outward WATS and WATS-type services and terminating minutes for inward WATS and WATS-type services) shall not be assessed Carrier Common Line Access per minute charges.

3.3 Undertaking of the Telephone Company

- (A) Where the customer is provided Switched Access Service under other sections of this tariff, the Telephone Company will provide the use of Telephone Company common lines by a customer for access to end users at rates and charges as set forth in Section 3.8 following.
- (B) Where the customer is reselling MTS and/or MTS-type service(s) on which the Carrier Common Line and Switched Access charges have been assessed, the customer may, at the option of the customer, obtain Line Side Switched Access Service under this tariff as set forth in Section 6 following for originating and/or terminating access in the local exchange. Such access group arrangements whether single lines or trunks or multiline hunt groups or trunk groups will have Carrier Common Line Access Charges applies as set forth in 3.7(C) following. For purposes of administering this provision:

Resold intrastate inward MTS and MTS-type service(s) shall include collect calls, third number calls and credit card calls where the reseller pays the underlying carrier's service charges.

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

ACCESS SERVICE TARIFF

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

3.3 Undertaking of the Telephone Company (Cont'd)

- (C) When Access to the local exchange is required to provide a MTS/WATS-type service using a resold Private Line Service, Switched Access Service Rates and Regulations, as set forth in 6. following will apply. Carrier Common Line Access rates and charges as set forth in 3.8 following apply in accordance with the regulations as set forth in 3.7(E) following.
- (D) The Switched Access Service provided by the Telephone Company includes the Switched Access Service provided for both interstate and intrastate communications and the Carrier Common Line Access rates and charges as set forth in 3.8 following apply in accordance with the regulations as set forth in 3.7(D) following.
- (E) When the IC is provided Operator Trunk-Coin or Combined Coin and Non-Coin or Operator Trunk-Full Feature Optional Features for sent-paid pay telephone access as set forth in 6. following, the Telephone Company will collect sent-paid monies from pay telephone stations and will remit monies to the IC as set forth in 3.6 following. The Telephone Company will provide message call detail format and bill periods used to determine the monies upon request from the IC.

3.4 Obligation of the Customer

- (A) The Switched Access Service associated with Carrier Common Line Access shall be ordered by the customer under other sections of this tariff.
- (B) The customer facilities at the premises of ordering customer shall provide the necessary on-hook supervision.
- (C) 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(D) following.



ACCESS SERVICE TARIFF

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

3.4 Obligations of the Customer (Cont'd)

- (D) Where Feature Group C end office switching is provided without Telephone Company recording and the IC records minutes of use which will be used to determine Carrier Common Lines Access charges (i.e., Feature Group C operator and TSPS calls such as pay telephone sent-paid, operator-DDD, operator-person, collect, credit-card, third number and/or other like calls), the IC shall furnish such minutes of use detail to the Telephone Company in a timely manner. If the IC does not furnish the data to the Telephone Company the IC shall identify all Switched Access Services which could carry such calls in order for the Telephone Company to accumulate the minutes of use through the use of special Telephone Company measuring and recording equipment.
- (E) When the customer is reselling MTS/WATS and/or MTS/WATS-type service as set forth in 3.3(B) preceding, the customer will be charged the Carrier Common Line Access charges in accordance with the regulations as set forth in 3.7(C) following if the customer or the provider of the MTS/WATS service furnishes documentation of the MTS/WATS usage and/or the customer furnishes documentation of the MTS/WATS-type usage. Such documentation supplied by the customer shall be supplied each month and shall identify the involved resold MTS/WATS and/or MTS/WATS-type services. The monthly period used to determine the minutes of use for resold MTS/WATS and/or MTS/WATS-type service(s) shall be the most recent monthly period for which the customer has received a bill for such resold MTS/WATS and/or MTS/WATS-Type service(s). This information shall be delivered to the Telephone Company, at a location specified by the Telephone Company, no later than 15 days after the bill date shown on the resold MTS/WATS and/or MTS/WATS-type service bill. If the required information is not received by the Telephone Company, the previously reported information, as described preceding, will be used for the next two months. For any subsequent month, no allocation or credit will be made until the required documentation is delivered to the Telephone Company by the customer.

ACCESS SERVICE TARIFF

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

3.4 Obligations of the Customer (Cont'd)

- (F) When the customer orders Switched Access Service as set forth in (F) preceding, the Telephone Company may request when resold MTS/WATS is involved, a certified copy of the customer's MTS/WATS usage billing from either the customer or the provider of the MTS/WATS service and or when resold MTS/WATS-type service is involved, a certified copy of customer's MTS/WATS-type usage billing from either the customer or the provider of the MTS/WATS-type service. The requests for this billing will relate back no more than 12 months prior to the current billing period.
  
- (G) Where Operator Trunk Coin or Combined Coin and Non-Coin or Operator Trunk-Full Feature Optional Features for sent-paid pay telephone access is provided to the IC and the IC wishes to receive the monies it is due for the monies collected by the Telephone Company from coin pay telephone stations, the IC shall furnish to the Telephone Company at a location specified by the Telephone Company, the IC message call detail for the IC Sent-paid (coin) pay telephone calls in accordance with the Telephone Company collection schedule. The IC message call detail furnished shall be in a standard format established by the Telephone Company. If no IC message call detail is received from the IC for each bill period established by the Telephone Company, the Telephone Company will assume there were no IC sent-paid (coin) pay telephone calls for the period. In addition the IC shall furnish a schedule of its charges for sent-paid coin calls to the Telephone Company at a location and date as specified by the Telephone Company. Any change in the IC's schedule of charges shall be furnished to the Telephone Company one day after the change becomes effective.

ACCESS SERVICE TARIFF

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

3.5 Payment Arrangements

- (A) The Telephone Company will bill the Carrier Common Line Access. The bill day (i.e., the billing date of the bill) in a month for each customer account will be established by the Telephone Company. Payment is due by the date described in 2.4.1(3)(a).
- (B) Further, if any portion of the Carrier Common Line Access payment is received by the Telephone Company after the payment date as set forth in (A) preceding, then a late payment penalty shall be due to the Telephone Company. The late payment penalty shall be the portion of the Carrier Common Line Access payment not received by the payment date times a late factor. The late factor is described in 2.4.1(3)(b).
- (C) In the event of a billing dispute, payment subject to the late payment penalty will be as described in 2.4.1(3)(c).

3.6 Payment of Coin Sent Paid Monies

The Telephone Company will collect the monies from coin pay telephone stations and will determine and remit amounts due to an IC which is provided Operator Trunk-Coin or Combined Coin and Non-Coin or Operator Trunk-Full Feature Optional Features for sent-paid pay telephone access as set forth in 6. as follows:

(A) Bill Period Coin Revenue

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

ACCESS SERVICE TARIFF

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

3.6 Payment of Coin Sent Paid Monies (Cont'd)

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

(C) Recourse Adjustments

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

(D) Payment of Net IC Coin Revenue

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

ACCESS SERVICE TARIFF

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

3.6 Payment of Coin Sent Paid Monies (Cont'd)

(E) Audit Provisions

Upon reasonable written notice by the customer to the Telephone Company, the customer shall have the right through its authorized representative to examine and audit, during normal business hours and at reasonable intervals as determined by the Telephone Company, all such records and accounts as may under recognized accounting practices contain information bearing upon the determination of the amount payable to the customer. Adjustment shall be affected by any statement to the contrary, appearing on checks or otherwise, unless such statement expressly waiving such right appears in a letter signed by the authorized representative of the party having such right and delivered to the other party.

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

3.7 Rate Regulations

- (A) The Carrier Common Line Charges will be billed to each Switched Access Service provided under this tariff in accordance with the regulations as set forth in (E) following except as set forth in (C) and (D) following.
- (B) When access minutes are used to determine the Charges, they will be accumulated using call detail recorded by Telephone Company equipment except as set forth in (C) following and Feature Group C operator and TSPS call detail such as pay telephone sent-paid, operator-DDD, operator-person, collect, credit-card, third number and/or other like calls recorded by the

ACCESS SERVICE TARIFF

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

3.7 Rate Regulations (Cont'd)

(B) (Cont'd)

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 on a line by line basis, by line group or by end office, whichever type of account is used by the Telephone Company, for each customer and then rounded to the nearest minute.

- (C) When the customer is provided as access group to be used in conjunction with the resale of MTS/WATS and or MTS/WATS-type services as set forth in 3.3(B) preceding, subject to the limitations of Carrier Common Line as set forth in 3.2 preceding, and the Telephone Company receives the usage information required to calculate the proration of Carrier Common Line as set forth in 3.4 preceding, the customer will be billed as set forth in (1) following.

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

The Telephone company will apportion the resold outward MTS/WATS and or MTS/WATS-type services and originating minutes of use for which resale credit applies, among the access groups. Such apportionment will be based on the relationship of the originating usage for all access groups in the LATA. For purposes of administering this provision:

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

ACCESS SERVICE TARIFF

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

3.7 Rate Regulations (Cont'd)

(C) (Cont'd)

The resale credit shall apply for resold outward MTS and MTS-type services and minutes of use, provided Carrier Common Line and Switched Access Charges have been assessed on such services.

The Telephone Company will apportion the resold inward MTS/WATS and/or MTS/WATS-type services and terminating minutes of use for which resale credit 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 inward MTS/WATS and/or MTS/WATS-type services minutes shall be only those attributable to intrastate inward MTS/WATS-type (i.e., collect calls, third number calls, and credit card calls) and MTS/WATS-type and shall not include interstate minutes of use or MTS/MTS-type minutes of use paid for by another party.

The resale credit shall apply for resold inward MTS and MTS-type services and minutes of use, provided Carrier Common Line and Switched Access Charges have been assessed on such services.

In order for the rate regulations to apply as set forth in (1) following, the access groups and the resold MTS/WATS and/or MTS/WATS-type services must be provided in the same exchange, provided by the Telephone Company and connected directly or indirectly.

ACCESS SERVICE TARIFF

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

3.7 Rate Regulations (Cont'd)

(C) (Cont'd)

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

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

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

(1) Access Groups - All Offices

The Carrier Common Line charge per minute as set forth in 3.8 following will apply. The minutes billed Carrier Common Line Access Service charges will be the adjusted terminating intrastate access minutes and the adjusted originating intrastate access minutes for such access groups.



ACCESS SERVICE TARIFF

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

3.7 Rate Regulations (Cont'd)

(C) (Cont'd)

(1) (Cont'd)

The adjusted terminating access minutes will be the terminating intrastate access minutes less the reported resold inward MTS/WATS and/or MTS/WATS-type service minutes of use as set forth in 3.7(C) preceding; but not less than zero. The adjusted originating access minutes will be the originating intrastate minutes less the reported resold outward MTS/WATS and/or MTS/WATS-type service minutes of use; but not less than zero.

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

(D) When the customer reports interstate and intrastate use of in-service Switched Access Service, the Carrier Common Line Access Charges will be billed only to intrastate Switched Access Service access minutes based on the data reported by the customer as set forth in 2.3.9 preceding. The intrastate Switched Access Service access minutes will, after adjustment as set forth in (D) preceding, when necessary, be used to determine the Carrier Common Line Charges as set forth in (F) following.

(E) After the adjustment as set forth in (C and (D) 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:

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

3.7 Rate Regulations (Cont'd)

(E) (Cont'd)

- (1) The access minutes for a Feature Group C Switched Access Service or a Line Side Switched Access Service, will be multiplied by the per minute rate as set forth in 3.8 following to determine the charges.
- (2) Carrier Common Line charges shall not be reduced as set forth in 3.3(B) preceding unless Switched Access Charges, as set forth in Section 6 following, are applied to the customer's Switched Access Services.
- (3) The terminating per minute charge(s) apply to all terminating access minutes of use, plus all originating access minutes of use associated with calls placed to 800 numbers, plus all originating access minutes of use associated with Line Side Access Services where the off-hook supervisory signalling is forwarded by the customer's equipment when the called party answers.
- (4) The originating per minute charge(s) apply to all originating access minutes of use, less those originating access minutes of use associated with calls placed to 800 number and less those originating access minutes of use associated with Line Side Access Services where the off-hook supervisory signalling is forwarded by the customer's equipment when the called party answers.

ACCESS SERVICE TARIFF

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

3.8 Rate and Charges

The rate for Carrier Common Line Access is:

	<u>Rate</u> <u>Per Access Minute</u>	(T)(M)
- Originating	\$0.0000	(T)
- Terminating	\$0.0000	(T)(M)

(M) This material and rate previously appeared on Page 97.

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ACCESS SERVICE TARIFF

5. Ordering Options for Switched and Special Access Service

5.1 General

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

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.

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 contact name(s) and telephone number(s) for the following provisioning activities:
  1. order negotiation
  2. order confirmation
  3. interactive design
  4. installation
  5. billing

5.1.2 Provision of Other Services

Other services as described in 9.1 and 9.2 may be ordered in conjunction with the order for Access Service. All rates and charges set forth in 9.1 and 9.2 will apply in addition to the rates and charges for the Access Service with which they are associated.

ACCESS SERVICE TARIFF

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 Service as set forth in Section 6.
- Special Access Service as set forth in Section 7.
- Other Services as set forth in Section 9.

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

(A) Feature Group C Switched Access Service

- (1) The Telephone Company end office where service is requested.
- (2) The number and type of busy hour minutes of capacity (BHMC) requested.
- (3) The customer designated premises where service is requested.

(B) Special Access Services

- (1) The type of service requested (Metallic, Voice Grade, etc.) <sup>[1]</sup>
- (2) The customer designated premises or hubs involved.
- (3) The channel interface, technical specification package and options desired.
- (4) Where the Special Access Service is exempt from the Special Access Surcharge as set forth in 7. following the customer shall furnish with the order the certification as set forth in 7. following.

(C)

5.3 Calculation of Busy Hour Minutes of Capacity (BHMC)

It is the responsibility of the customer to determine the BHMC when ordering FGC Switched Access Service.

<sup>[1]</sup> **Effective November 10, 2021, Metallic and Voice Grade Services are grandfathered. Availability to current customers is limited to circuits in service at existing locations.**

(N)

(N)



ACCESS SERVICE TARIFF

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

5.3 Calculation of Busy Hour Minutes of Capacity (BHMC) (Cont'd)

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

The total BHMC by type for each end office will be converted to transmission paths using standard Telephone Company traffic engineering methods.

5.4 Access Order Service Intervals

To the extent the Access Service can be made available with reasonable effort, the Telephone Company will provide Access Service in accordance with the customer's requested interval. The Telephone Company is not responsible for any delays caused by any other connecting exchange telephone company in the provision of service to the customer's point of termination.

If in order to meet the customer's requested service date, work must be performed outside scheduled work hours, Additional Labor charges as described in Section 9. will apply.

5.5 Access Order Modifications

The customer may request a modification of its Access Order Prior to the service date. The Telephone Company will make

ACCESS SERVICE TARIFF

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

5.5 Access Order Modifications (Cont'd)

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 the normal business hours, the Telephone Company will notify the customer that additional labor and/or engineering charges will apply. If the customer still desires the Access Order modification and agrees to any additional charges which may apply, the Telephone Company will schedule a new service date. Additional labor or engineering charges as described in Section 9 will apply.

(A) Service Date Change

Access Order service dates may be changed, but the new service date may not exceed the original service date by more than 60 calendar days. 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. The appropriate cancellation charges as set forth in 5.6 will apply. If the Telephone Company determines it can accommodate the customer's request with the normal work force during normal business hours and without delaying service dates for orders of other customers, a new service date may be established that is prior to the original service date. No charges will apply.

(C)  
(C)

If the requested service date is changed to an earlier date, and the Telephone Company determines additional labor or extraordinary costs are necessary to meet the request, the customer will be notified by the Telephone Company that Additional Labor Charges as described in Section 9 may apply.

(B) Change in Lines or Capacity

Any increase in the number of Special Access Service channels or Switched Access Service busy hour minutes

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ACCESS SERVICE TARIFF

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

5.5 Access Order Modifications (Cont'd)

(B) (Cont'd)

of capacity will be treated as a new Access Order (for the increased amount only).

Any decrease in the number of ordered Special Access Service channels or Switched Access Service busy hour minutes of capacity will be treated as a partial cancellation and the charges as set forth in Section 5.6 following will apply.

5.6 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 the customer is unable to accept Access Service within 30 calendar days after the latest agreed upon service date, the following will occur:

- The order shall be cancelled and charges set forth in (B) following will apply, if the service has not been fully provisioned, or

- The Access Order will be completed and billing for the service will commence if the service has been fully provisioned or the customer has indicated that billing for the service should begin.

(B) When a customer cancels an Access Order, a Cancellation Charge will apply as follows:

(1) Installation of Switched or Special Access Service facilities is considered to have started when the Telephone Company incurs any cost in connection with the installation. Where installation of the access facilities has been started prior to the cancellation, the charges specified in (a) or (b) following, whichever is less, shall apply.

(a) A charge equal to the nonrecoverable cost of equipment and material ordered, provided or used, plus the nonrecoverable cost of

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(C)  
(C)  
(C)  
(N)  
|  
(N)

New Century, Kansas 66031

NM17-02A

ACCESS SERVICE TARIFF

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

5.6 Cancellation of an Access Order (Cont'd)

(B) (Cont'd)

(1) (Cont'd)

(a) (Cont'd)

installation and removal including the costs of engineering, labor, supervision, transportation, right-of-way and other associated costs less actual net salvage received after disposal of facilities.

(b) The charge for the minimum period of Switched or Special Access Service ordered by the customer.

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

(C) 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.

5.7 Selection of Facilities for Access Orders

The Telephone Company will make a reasonable effort to accommodate a customer request for a specific transmission path. The Telephone Company will make the final determination as to the transmission paths utilized in the provision of service.

5.8 Minimum Period

The minimum period for which Access Service is provided and for which charges are applicable is one month.

When Access Service is disconnected prior to the expiration of the minimum period, charges are applicable for the balance of the minimum period.

ACCESS SERVICE TARIFF

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

5.8 Minimum Period (Cont'd)

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

- (A) For Switched Access Service, the charge for a month or fraction thereof is equal to the applicable minimum monthly charge for the capacity as set forth in Section 6.8.4 following.
- (B) For Special Access Service, the charge for a month or fraction thereof is the applicable monthly rates for the service as set forth in 7.4 following.

5.9 Access Orders For Services Provided By More Than One Telephone Company

Access Services provided by more than one Telephone Company are Services where one end of the Local Transport or Channel Mileage element is in the operating territory of one Telephone Company and the other end of the element is in the operating territory of a different Telephone Company.

The ordering procedure for this service is as follows:

(1) Multiple Company (Interconnection Point) Billing

Each Telephone Company will provide its portion of the Access Service within its operating territory to an interconnection point(s) (IP) with other telephone Company(s). The interconnection point(s) and Billing Percentages will be determined by the Telephone Companies involved in providing the Access Service and listed in NECA Tariff F.C.C. No 2. Each Telephone Company will bill the customer for its portion of the service as set forth in 2.4.5. All other appropriate charges in each Telephone Company tariff are applicable.

ACCESS SERVICE TARIFF

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

5.9 Access Orders For Services Provided By More Than One Telephone Company  
(Cont'd)

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

(D)

- (a) For Feature Group C Switched Access Service, the customers must place an order with the Telephone Company in whose territory the end office is located.
- (b) When a WATS Access Line is ordered where the WATS screening office and the end user customer end office are not coterminous, the Telephone Company in whose territory the end office is located must receive the order from the customer. In addition, the Telephone Company in whose territory the WATS screening office is located must also receive a copy of the order from the customer.
- (c) Except for Special Access Service provided with the use of a hub, the customer may place the order for a Special Access Service with either Exchange Telephone Company.
- (d) For Special Access Service involving a hub(s), the customer must place the order with the Telephone Company in whose territory the hub(s) is located.

For the service(s) ordered as set forth preceding, the customer must also supply a copy of the order to the Telephone Company in whose operating territory a customer designated premises is located and any other Telephone Company(s) involved in providing the service.

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ACCESS SERVICE TARIFF

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 communications path between a customer designated premises and an end user's premises. It provides for the use of common terminating, switching, and trunking facilities and for the use of 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 designated premises, and to terminate calls from a customer designated 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 6.1.3 and 6.5 through 6.8, and as applicable, 6.11 following.

Rates and charges for Switched Access Service depend generally on the specific Feature Group ordered by the customer, e.g., for MTS or WATS services or MTS/WATS equivalent services, and whether it is provided in a Telephone Company end office that is equipped to provide equal or non equal access. Rates and charges for Switched Access Service are set forth following. The application of rates for Switched Access Service is described in 6.4 following. Rates and charges for services other than Switched Access Service, e.g., a customer's interLATA 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 6.4.5, 6.4.9, 6.5.1(H), 6.5.3, 6.6.1(G), 6.6.2(D), 6.7.1(F) and 6.8.1(E) following. Finally, a credit is applied against line side Switched Access Service charges as described in 6.4.8 following.

6.1.1 Description and Provision of Switched Access Service Arrangements

(A) Description

Switched Access Service is provided in four different Feature Group arrangements which are service categories of standard and optional features. These are differentiated by their technical characteristics, e.g., line side vs. trunk side connection at the Telephone Company first point of switching. They are also differentiated by optional feature availability and the manner in which the end user accesses them in originating calling, e.g., with or without access codes of various lengths and digits.

The provision of each Feature Group requires Local Transport facilities, including an Entrance Facility, and the appropriate End Office functions. In addition, Special Access Service may, at the option of the customer, be connected with Feature Groups A, B, C, or D at Telephone Company designated WATS Serving Offices.\*

\* References to WATS in conjunction with Special Access Service, Section 7 following, apply if the Telephone Company has optioned to treat WATS access as part of Special Access Services. Otherwise, WATS will be treated as Switched Access Service, as set forth in 6.11 following.

ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

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

(A) Description (Cont'd)

There are three specific transmission specifications (i.e., Types A, B and C) that have been identified for the provision of Feature Groups. The technical specifications for the Entrance Facility and Direct Trunked Transport are the same as those set forth in Section 7 following for Voice Grade and High Capacity Services. 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 11 following.

Feature Groups are arranged for either originating, terminating or two-way calling, based on the customer end office switching capacity ordered. Originating calling permits the delivery of calls from Telephone Exchange Service locations to the customer designated premises. Terminating calling permits the delivery of calls from the customer designated 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 optional features associated with Local Transport, Common Switching and Transport Termination available with the Feature Groups. Detailed descriptions of each of the available Feature Groups are set forth in 6.5 through 6.8 following. Each Feature Group is described in terms of its specific physical characteristics and calling capabilities, the optional features available for use with it and the standard testing capabilities.

The Common Switching and Transport Termination optional features, which are described in 6.10 following, unless specifically stated otherwise, are available at all Telephone Company end office switches.

ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

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

(B) Manner of Provision

Switched Access is furnished in either quantities of lines or trunks, or in busy hour minutes of capacity (BHMCs). FGA Access and FGB Access are furnished on a per-line or per-trunk basis respectively. FGC Access and FGD Access are furnished on a BHMC basis.

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

There are two major BHMC categories identified as: Originating and Terminating. Originating BHMCs represent access capacity within a LATA for carrying traffic from the end user to the customer; Terminating BHMCs represents access capacity with a LATA for carrying traffic from the customer to the end user. When ordering capacity for FGC Access or FGD Access, the customer must at a minimum specify such access capacity in terms of Originating BHMCs and/or Terminating BHMCs.

Because some customers will wish to further segregate their originating traffic into separate trunk groups, or because segregation may be required by network considerations originating BHMCs are further categorized into Domestic, 800, 900, Operator and IDDD. Domestic BHMCs represent access capacity for carrying only domestic traffic other than 800, 900 and Operator traffic; IDDD BHMCs represent access capacity for carrying only international traffic; and, 800, 900 and Operator BHMCs represent access capacity for carrying, respectively, only 800, 900 or Operator traffic. When ordering such types of access capacity, the customer must specify Domestic, 800, 900, Operator or IDDD BHMCs.

## ACCESS SERVICE TARIFF

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

#### 6.1 General (Cont'd)

##### 6.1.2 Ordering Options and Conditions

Switched Access Service is ordered under the Access Order provisions set forth in 5.2 preceding. Also, included in that section are regulations concerning miscellaneous service order charges which may be associated with Switched Access Service ordering (e.g., Service Date Changes, Cancellations, etc.)

##### 6.1.3 Rate Categories

There are four rate categories which apply to Switched Access Service:

Transport (described in 6.1.3(A) following)  
End Office (described in 6.1.3(B) following)  
Chargeable Optional Features (described in 6.1.3(C) following)  
Common Line (described in Section 3. preceding)

The following diagram depicts a generic view of the components of Switched Access Service and the manner in which the components are combined to provide a complete Access Service.

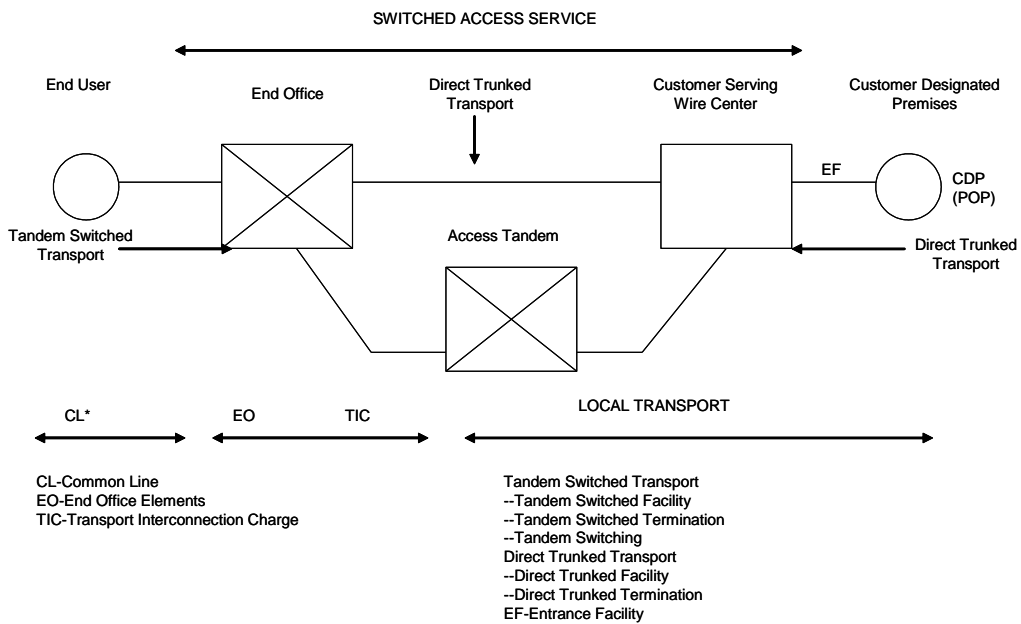
ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Transport



\* Common Line Access Service is provided under Section 3 preceding.

ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Transport (Cont'd)

(1) Local Transport

The Local Transport rate category establishes the charges related to the transmission between the Point of Connection (POC) and the end office switch(es) where the customer's traffic is switched to originate or terminate the customer's communications. For purposes of determining Local Transport Facility measurement, distance will be measured from the POC to the end office switch(es), which may be a Remote Switching Module(s). Exceptions to the Local Transport Facility measurement rules are set forth in 6.4.6 following and in this section.

Local Transport is a two-way voice frequency transmission path composed of facilities determined by the Telephone Company. The two-way voice frequency transmission path permits the transport of calls in the originating direction (from the end user end office switch to the POC) and in the terminating direction (from the POC to the end office switch), but 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. The customer must specify the choice of facilities (i.e., Voice Grade 2 or 4 wire or High Capacity DS1 or DS3 to be used in the provision of the Direct Trunked Transport or Entrance Facility. High Capacity DS3 facilities are only available at wire centers identified in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4, wire center information.

The customer must specify when ordering (1) whether the service is to be directly routed to an end office switch or through an access tandem switch, (2) the type of Direct Trunked Transport and whether it will overflow to Tandem Switched Transport when service is directly routed to an end office, (3) the type of Entrance Facility, (4) the directionality of the service, and (5) when multiplexing is required, the hub (s) at which the multiplexing will be provided.

The Telephone Company will work cooperatively with the customer in determining (1) whether the service is to be directly routed to an end office switch or through an access tandem switch, and (2) the directionality of the service.

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ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Transport (Cont'd)

(1) Local Transport (Cont'd)

Local Transport rates are made-up of a Local Transport Termination rate which is assessed on a per transmission path per access minute basis, and a Local Transport Facility rate assessed on a per mile per access minute basis. The Local Transport Termination rate provides for the communications frequency transmission path at the Telephone Company switching office and includes the Local Transport portion of Central Office Switching and Central Office Circuit equipment (e.g., signaling, transmission devices, padding, carrier channels, etc.). The Local Transport Termination rate is applied as follows:

for FGA when the Local Transport Facility is measured between the end office and the first point of switching (i.e., dial tone office) as set forth in 6.4.6 following, or between the end office and the IC which is the access tandem, the Local Transport Termination rate is applied at the end office.

for FGA when the Local Transport Facility is measured between the first point of switching (i.e., dial tone office) and the IC serving wire center as set forth in 6.4.6 following, the Local Transport Termination Rate is applied at the first point of switching (i.e., dial tone office).

for FGB, FGC and FGD, when the Local Transport Facility is measured between the end office and the POC, the Local Transport Termination Rate is applied at the end office.

for FGB and FGD when the Local Transport Facility is measured between the access tandem and the IC serving wire center, as set forth in 6.4.6 following, the Local Transport Termination Rate is applied at the access tandem office.

For Feature Groups A, B, C and D Switched Access Service connected with Special Access Service at a WATS Serving Office, the Local Transport Facility is measured between the WATS Serving Office (when measured access minutes of use are used) and the serving wire center for the customer designated premises is as set forth in 6.4.6 following, the Local Transport Termination is applied at the WATS Serving Office.

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6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Transport (Cont'd)

(1) Local Transport (Cont'd)

For Feature Group A Switched Access Service Connected with Special Access Service at a WATS Serving Office when the Local Transport Facility is measured between the Feature Group A entry switch (when assumed access minutes of use are used) and the serving wire center for the customer designated premises, as set forth in 6.4.6 following, the Local Transport Termination is applied at the Feature Group A entry switch.

The Local Transport Termination rate will also apply if the IC serving wire center and the end user serving wire center are collocated. The Local Transport Termination rate will apply once to each Switched Access Service. The Local Transport Facility rate provides for the frequency transmission path and for that portion of Local Transport which extends beyond the Telephone Company end office and includes both the physical (or derived) outside plant facilities and necessary transmission equipment (repeaters, etc.) including that which may be found at intermediate offices. The Local Transport Facility rate will not apply if the IC serving wire center and the end user serving wire center are collocated.

Notwithstanding the preceding paragraph, when more than one Telephone Company is involved in providing the Switched Access Service, the Local Transport rates are applied as set forth in 2.4.5 preceding.

Local Transport is provided at the rates and charges set forth following. The application of these rates with respect to individual Feature Groups is as set forth in 6.4.1 following.

The Local Transport Rate Category Rate Category includes four classifications of rate elements: (1) Entrance Facility, (2) Direct Trunked Transport, (3) Tandem Switched Transport, and (4) Multiplexing.



ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Transport (Cont'd)

(1) Local Transport (Cont'd)

(a) Entrance Facility

The Entrance Facility recovers a portion of the costs associated with a communications path between a customer designated premises and the serving wire center of that premises. Included as part of the Entrance Facility 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 customers designated premises and the type of signaling capability, if any.

Three types of Entrance Facility are available:

- Voice Grade 2 or 4 wire--an analog channel with an approximate bandwidth of 300 to 3000 Hz;
- High Capacity DS1-- an isochronous serial digital channel with a bit rate of 1.544 Mbps;
- High Capacity DS3-- an isochronous serial digital channel with a rate of 44.736 Mbps;

The minimum period for which DS3 Entrance Facility is provided is twelve months.

One charge applies for each Entrance Facility that is terminated at the customer designated premises. This charge specified following will apply even if the customer designated premises and the serving wire center are collocated in a Telephone Company building.

A customer's Local Transport may be connected to the Entrance Facility of another customer, providing the other customer submits a Letter of Authorization for this connection and assumes full responsibility for the cost of the Entrance Facility.

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ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Transport (Cont'd)

(1) Local Transport (Cont'd)

(b) Direct Trunked Transport

The Direct Trunked Transport rate elements recover a portion of the cost associated with a communications path or circuits dedicated to the use of a single customer between:

- the serving wire center and an end office
- the serving wire center and a tandem
- the serving wire center and a hub
- a hub and an end office
- the serving wire center and an ADM equipped wire center where add/drop multiplexing functions are performed
- an ADM equipped wire center and an end office

Direct Trunked Transport is available at all tandems and to all end offices except those end offices identified in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4, wire center information as not having the capability to provide Direct Trunked Transport.

Direct Trunked Transport is not available: (1) from end offices that provide equal access through a Centralized Equal Access arrangement, or (2) from end offices that lack recording or measurement capability.

Normally, Direct Trunked Transport of originating 800 series calls from an end office is available only from Service Switching Point (SSP) equipped end offices. However, certain SSP equipped end offices cannot accommodate the direct trunking of the 800 series (other than the 800 service access code) service access code. These end offices are identified in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4. Additionally, certain non-SSP equipped end offices can accommodate direct trunking of originating 800 series calls. These end offices are also identified in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4.

ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Transport (Cont'd)

(1) Local Transport (Cont'd)

(b) Direct Trunked Transport (Cont'd)

(D)

Three types of Direct Trunked Transport are available:

Voice Grade 2 or 4 wire- an analog channel with an approximate bandwidth of 300 to 3000 Hz;

High Capacity DS1- an isochronous serial digital channel with a rate of 1.544 Mbps;

High Capacity DS3- an isochronous serial digital channel with a rate of 44.736 Mbps;

High Capacity DS3 Direct Trunked Transport can not be terminated at end offices that are not identified as hub offices that provide DS3 to DS1 multiplexing.

Additionally, DS1 Direct Trunked Transport can not be terminated at end offices that are not identified as hub offices that provide DS1 to Voice Grade multiplexing or are not electronic end offices.

Offices that provide multiplexing and add/drop multiplexing functions are identified in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4, Wire Center Information.

Direct Trunked Transport rates consist of a Direct Trunked Facility rate as specified following which is applied on a per mile basis and a Direct Trunked Termination rate which is applied at each end of each measured segment of the Direct Trunked Facility (e.g., at the end office, tandem, hub, ADM equipped wire center, and serving wire center). When the Direct Trunked Facility mileage is zero, neither the Direct Trunked Facility rate nor the Direct Trunked Termination rate will apply.

The Direct Trunked Facility rate recovers a portion of the costs of transmission facilities, including intermediate transmission circuit equipment, between the end points of the interoffice circuits.

The Direct Trunked Termination rates specified following recovers a portion of the costs of the circuit equipment that is necessary for the termination of each end of the Direct Trunked Facility.

The minimum period for which High Capacity DS3 Direct Trunked Transport is provided is twelve months.

(D)

(D)

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ACCESS SERVICE TARIFF

- 6. Switched Access Service (Cont'd)
  - 6.1 General (Cont'd)
    - 6.1.3 Rate Categories (Cont'd)
      - (A) Transport (Cont'd)
        - (1) Local Transport (Cont'd)
        - (c) Tandem Switched Transport

The Tandem Switched Transport rate elements recover a portion of the costs associated with a communications path between a tandem and an end office on circuits that are switched at a tandem switch. For examples of Tandem Switched Transport see Section 2.4.5 preceding.

**Effective July 1, 2021, as established in the 8YY Access Charge Reform (FCC 20-143), existing tandem switching charges and transport charges for originating 8YY traffic are eliminated and a single joint tandem switched access service rate element for 8YY originating access service is established. The 8YY originating Joint Tandem Switched Transport rate is provided at the rates set forth in Section 6.13.2(C).**

(N)

Tandem Switched Transport rates consist of a Tandem Switching rate, a Tandem Switched Facility rate, and a Tandem Switched Termination rate.

(N)

In those instances where an SSP equipped end office is capable of handling 800 traffic on a direct trunked basis but incapable of handling 800 series (other than the 800 service access code) traffic on a direct trunked basis, a full credit will be provided for tandem switched transport charges associated with FGC and FGD service for 888 traffic delivered at the tandem. This results in all 800 series traffic being rated as direct trunked transport regardless of whether the SSP equipped end office is capable of handling 800 series (other than the 800 service access code) traffic on a direct trunked basis. Those SSP equipped end offices that cannot accommodate direct trunking of originating 800 series (other than 800 service access code) traffic are identified in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4, Wire Center Information.

- (1) The Tandem Switching rate recovers a portion of the costs of switching traffic through an access tandem. The Tandem Switching rate specified following is applied on a per access minute per tandem basis for all originating and all terminating minutes of use switched at the tandem. Tandem locations are identified in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4, Wire Center Information.
- (2) The Tandem Switched Facility rate recovers a portion of the costs of transmission facilities, including intermediate transmission circuit equipment, between the end points of interoffice circuits. The Tandem Switched Facility rate specified following is applied on a per access minute per mile basis for all originating and terminating minutes of use routed over the facility.

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ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Transport (Cont'd)

(1) Local Transport (Cont'd)

(c) Tandem Switched Transport (Cont'd)

- (3) The Tandem Switched Termination rate recovers a portion of the costs of circuit equipment necessary for the termination of each end of each measured segment of the Tandem Switched Facility. The Tandem Switched Termination rate specified in following is applied on a per access minute basis (for all originating and terminating minutes of use routed over the facility) at each end of each measured segment of Tandem Switched Facility (e.g., at the end office, Feature Group A dial tone office, host office and the access tandem). When the Tandem Switched Facility mileage is zero, neither the Tandem Switched Facility rate nor the Tandem Switched Termination rate will apply.

ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Transport (Cont'd)

(1) Local Transport (Cont'd)

(d) Multiplexing

(D)

Multiplexing provides an arrangement for converting a single, higher capacity or bandwidth circuit to several lower capacity or bandwidth circuits.

When a derived channel is itself multiplexed to derive additional channels with a lesser capacity, this is referred to as cascading multiplexing. When cascade multiplexing occurs, a charge for the additional multiplexing function applies. When cascade multiplexing is performed at different hubbing locations, Direct Trunked Transport charges also apply between the hubs.

Multiplexing is only available at wire centers identified in National Exchange Carrier Association, Inc. F.C.C. Tariff No. 4, Wire Center Information.

The following multiplexing arrangements are offered for use with Switched Access Service.

- (1) DS3 to DS1 Multiplexing charges specified following apply when High Capacity DS3 Entrance Facility or High Capacity DS3 Direct Trunked Transport 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.
- (2) DS1 to Voice Grade Multiplexing charges specified following apply when a High Capacity DS1 Entrance Facility or High Capacity DS1 Direct Trunked Transport is connected with Voice Grade Direct Trunked Transport. However, a DS1 to Voice Grade Multiplexing charge does not apply when a High Capacity DS1 Entrance Facility or High Capacity DS1 Direct Trunked Transport is terminated at an electronic end office and only Switched Access Service is provided over the DS1 facility (i.e., Voice Grade Special Access channels are not derived). The DS1 to Voice Grade multiplexer will convert a 1.544 Mbps channel to 24 Voice Grade channels.

(D)  
(D)

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ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Transport (Cont'd)

(1) Local Transport (Cont'd)

(d) Multiplexing (Cont'd)

- (3) Common Multiplexing is provided on a usage sensitive basis in conjunction with Tandem Switched Transport. Switched Access facilities are connected to the tandem DS1 circuits. Multiplexing is required to convert common switched facilities from an operating speed of 44.736 Mbps to an operating speed of 1.544 Mbps.

(e) Interface Groups

Ten Interface Groups are provided for terminating the Local Transport at the customer's designated premises. Technical specifications concerning the available interface groups are set forth in Section 11 following.

(f) Nonchargeable Optional Features

Where transmission facilities permit, the individual transmission path between the customer's designated premises and the first point of switching may at the option of the customer be provided with the following optional features as set forth and described in 11.1.12 following.

Supervisory Signaling

When a customer subscribes to Common Channel Signaling (SS7) Network Connection Service (CCSNC Service), the following optional features are made available and are described in 6.10.1 following.

Signaling System 7 (SS7) Signaling

Calling Party Number  
Carrier Selection Parameter  
Charge Number Parameter

## ACCESS SERVICE TARIFF

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

#### 6.1 General (Cont'd)

##### 6.1.3 Rate Categories (Cont'd)

###### (A) Transport (Cont'd)

###### (1) Local Transport (Cont'd)

###### (g) Chargeable Optional Features

Common Channel Signaling, Signaling System 7 (CCS/SS7) Network Connection (CCSNC) Service provides a signaling path between a customer's designated Signaling Point of Interface (SPOI) and a Telephone Company's Signaling Transfer Point (STP). CCSNC is provided as set forth in 6.10.4 following.

800 Data Base Access Service is provided to all customers in conjunction with FGC and FGD switched access service. A Basic or Vertical Feature Query charge, as set forth following, is assessed for each query launched to the 800 data base. The Basic Query provides the identification of the customer to whom the call will be delivered and includes area of service routing which allows routing of 800 calls by telephone companies to different interexchange carriers based on the Local Access Transport Area (LATA) in which the call originates. The Vertical Feature Query provides this same customer identification function in addition to vertical features which may include: (1) call validation (ensuring that calls originate from subscribed service areas); (2) POTS translation of 800 numbers (which is generally necessary for the routing of 800 calls); (3) alternate POTS translation (which allows subscribers to vary the routing of 800 calls based on factors such as time of day, place of origination of the call, etc.); and (4) multiple carrier routing (which allows subscribers to route to different carriers).

###### (h) Add/Drop Multiplexing

Add/Drop Multiplexing provides a type of multiplexing function in connection with Synchronous Optical Channel Service that allows lower level signals to be added or dropped from a high speed optical carrier channel within a Telephone Company wire center.

(T)

(N)

(N)



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## ACCESS SERVICE TARIFF

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

#### 6.1 General (Cont'd)

##### 6.1.3 Rate Categories (Cont'd)

##### (A) Transport (Cont'd)

##### (1) Local Transport (Cont'd)

##### (h) Add/Drop Multiplexing

The Add/Drop Multiplexing Central Office Port charge specified in Section 6.13, following, applies to the interface provided at a Telephone Company wire center for the purpose of adding or dropping lower capacity services from Synchronous Optical Channel Entrance Facilities or Direct Trunked Transport. Central Office Ports are available at the following speeds:

##### Central Office Port Speed

DS3	44.736 Mbps
DS1	1.544 Mbps

OC12 service may only be multiplexed to OC3 channels.

When an OC3 channel is derived from an OC12 service and is further multiplexed to obtain DS3 service, a DS3 port charge will apply in addition to the OC3 port charge.

When a DS3 channel is derived from an OC3 service and is further multiplexed to obtain DS1 service, a DS3 to DS1 Multiplexing charge will apply in addition to the DS3 port charge.

When a DS1 channel is directly derive from an OC3 service, a DS1 port charge will apply.

When a DS1 channel is further multiplexed to a lower level signal, a DS1 to Voice Grade Multiplexing charge will also apply.

Add/Drop Multiplexing is only available at wire centers identified in National Exchange Carrier Association, Inc. Tariff F.CC. No. 4, Wire Center Information.

(N)

(N)

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ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Transport (Cont'd)

(1) Local Transport (Cont'd)

(i) Customer Premises Port

Customer Premises Port charges specified in Section 6.13, following. Each Customer Premises Port provides the interface to derive a lower capacity service at the customer premises. The type and quantity of ports is determined by the customer and is based on the type of Customer Node selected and the number of DS1 and/or DS3 channels ordered. Customer Premises Ports are available at the following speeds:

Customer Premises Port Speed

DS3	44.736 Mbps
DS1	1.544 Mbps

(N)  
|  
(N)

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ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(B) End Office

The End Office rate category establishes the charges related to the local end office switching and end user termination functions necessary to complete the transmission of Switched Access communications to and from the end users served by the local end office. The End Office rate category includes the Local Switching and Information Surcharge rate elements.

(1) Local Switching

The Local Switching rate elements establishes the charges related to the use of end office switching equipment, the terminations in the end office of end user lines, and the terminations of calls at Telephone Company Intercept Operators or recordings. The premium charge is divided into two distinct categories, i.e., Local Switching 1, and Local Switching 2. The first category, Local Switching 1, is applicable to Feature Groups A and B. Local Switching 1 does not apply to:

Feature Group B when utilized to provide MTS/WATS service,

Feature Groups A and B used for terminating inward WATS and WATS-type service at an equal access WATS Serving Office.

The second category, Local Switching 2, is applicable to:

Feature Groups C and D,

FGB when utilized to provide MTS/WATS service,

Feature Groups A and B used for terminating inward WATS and WATS-type service at an equal access WATS Serving Office.

Rates for Local Switching 1 and Local Switching 2, follow. The application of these rates with respect to individual Feature Groups is as set forth in 6.4.1(C) following.

There are four types of functions included in the Local Switching rate elements: Common Switching, Transport Termination, Line Termination, Intercept and may include Common Trunk Port. These are described in (a) through (e) following.

ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(B) End Office (Cont'd)

(1) Local Switching (Cont'd)

(a) Common Switching

Common Switching provides the local end office switching functions associated with the various access (i.e., Feature Group) switching arrangements. The Common Switching arrangements provided for the various Feature Group arrangements are described in 6.5 through 6.8 following.

Included as part of Common Switching are various nonchargeable optional features which the customer can order to meet the customer's specific communications requirements. These optional features are described in 6.10.1 following.

(b) Transport Termination

Transport Termination functions provide for the line or trunk side arrangements which terminate the Transport facilities. Included as part of these functions are various nonchargeable optional termination arrangements. These optional terminating arrangements are described in 6.10.2 following.

The number of Transport Terminations provided will be determined by the Telephone Company as set forth in 6.2.5 following.

(c) Line Termination

Line Termination provides for the terminations of end user lines in the local end office. There are two types of Line Terminations, i.e., Common Line Terminations and Special Access Service Terminations utilized in the provision of WATS or WATS-type services at Telephone Company designated WATS Serving Offices.

The above Special Access Service Terminations are differentiated by line side vs. trunk side terminations. In addition, there are various types of originating and terminating line side terminations depending on the type of signaling associated with the Special Access Service. Line side terminations are available with either dial pulse or dual tone multifrequency address signaling.

See 6.11, WATS Access Lines, for treatment of WATS Access lines as a Switched Access Service.

ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(B) End Office (Cont'd)

(1) Local Switching (Cont'd)

(d) Intercept

The Intercept function provides for the termination of a call at a Telephone Company Intercept operator or recording. The operator or recording tells a caller why a call, as dialed, could not be completed, and if possible, provides the correct number.

(e) Common Trunk Port

The Common Trunk Port used by multiple customers provides for the termination of common transport trunks in common end offices trunk ports in conjunction with tandem routed traffic. The Common Trunk Port rate is assessed on a usage sensitive basis on tandem routed switched access. The Common Trunk Port rate applies whenever the Tandem Switched Termination rate applies. This includes minutes of use associated with FGA service when traffic is terminated in an end office that is not the dial tone office and on minutes of use provided at a remote office.

(2) Information Surcharge

Information Surcharge rates are assessed to a customer based on the total number of access minutes. Information Surcharge rates are as set forth following. The number of end office switching transmission paths will be determined as set forth in 6.2.5 following.

The Information Surcharge does not apply to Feature Groups B and D Switched Access Services associated with Mobile Telephone Switching Offices (MTSOs) directly interconnected to a Telephone Company access tandem office.



ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(C) Chargeable Optional Features

Where facilities permit, the Telephone Company will, at the option of the customer, provide the following chargeable optional features.

(1) 800 Data Base Access Service

800 Data Base Access Service is provided to all customers in conjunction with FGC and FGD switched access service. When a 1+800+NXX-XXXX call is originated by an end user, the Telephone Company will utilize the Signaling System 7 (SS7) network to query an 800 data base to identify the customer to whom the call will be delivered and provide vertical features based on the dialed ten digits. The call will then be routed to the identified customer over FGC or FGD switched access.

A Basic or Vertical Feature Query charge, as set forth following, is assessed for each query launched to the data base which identifies the customer to whom the call will be delivered. The Basic Query provides the identification of the customer to whom the call will be delivered and includes area of service routing which allows routing of 800 calls by telephone companies to different interexchange carriers based on the Local Access Transport Area (LATA) in which the call originates. The Vertical Feature Query provides the same customer identification as the basic query and vertical features which may include: (1) call validation, (ensuring that calls originate from subscribed service areas); (2) POTS translation of 800 numbers; (3) alternate POTS translation (which allows subscribers to vary the routing of 800 calls based on factors such as time of day, place or origination of the call, etc.); and (4) multiple carrier routing (which allows subscribers to route to different carriers based on factors similar to those in (3)).

The description and application of this charge with respect to Feature Group C or Feature Group D is as set forth in 6.4.1(C) following.

ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.4 Design Layout Report

At the request of the customer, the Telephone Company will provide to the customer the makeup of the 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.

ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.2 Undertaking of the Telephone Company

In addition to the undertaking of the Telephone Company set forth in Section 2. preceding, the Telephone Company has certain other obligations concerning only the provision of Switched Access Service. These obligations are as follows:

6.2.1 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 2.4.3 preceding.

## ACCESS SERVICE TARIFF

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

#### 6.2 Undertaking of the Telephone Company (Cont'd)

##### 6.2.2 Transmission Specifications

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 Section 11 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 Section 11 following are 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 May 25, 1984, except that service configurations having performance specifications exceeding the standards set forth in Section 11 following will be maintained at the performance levels specified.

The transmission specifications concerning Switched Access Service are limits which, when exceeded, may require the immediate corrective action of the Telephone Company. The transmission specifications are set forth in Section 11 following. Acceptance limits are set forth in Technical Reference TR-NPL-000334. This Technical Reference also provides the basis for determining Switched Access Service maintenance limits.

##### 6.2.3 Provision of Service Performance Data

Subject to availability, end-to-end service performance data available to the Telephone Company through its own service performance 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. If data are to be provided in other than paper format, the charges for such exchange will be determined on an individual case basis.

ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.2 Undertaking of the Telephone Company (Cont'd)

6.2.4 Testing

(A) 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: loss, C-notched noise, C-message noise, 3-tone slope, d.c. continuity and operational signaling. When the Transport is provided with Interface Groups 2 through 10, and the Transport Termination is two-wire (i.e., there is a four-wire to two-wire conversion in Transport), balance parameters (equal level echo path loss) may also be tested.

(B) Routine Testing

At no additional charge, the Telephone Company will, at the customer's request, test after installation on an automatic or manual basis, 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 test lines with associated responders or their functional equivalent.

The frequency of these tests will be that which is mutually agreed upon by the customer and the Telephone Company, but shall consist of not less than quarterly 1004 Hz loss and C-message noise tests and an annual Balance test. Trunk test failures requiring customer participation for trouble resolution will be provided to the customer on an as-occurs basis.

Additional tests may be ordered as set forth in 9.2 following. Charges for these additional tests are set forth following.

ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.2 Undertaking of the Telephone Company (Cont'd)

6.2.5 Determination of Number of Transmission Paths

For Feature Groups A and B, which are ordered on a per line or per trunk basis respectively, and Feature Group D when ordered on a per trunk basis by customers other than MTS/WATS providers, the customer specifies the number of transmission paths in the order for service.

The Telephone Company will determine the number of Switched Access Service transmission paths to be provided for the Switched Access Feature Group C and D busy hour minutes of capacity ordered. The number of transmission paths will be developed using the total busy hour minutes of capacity by type (as described in 6.1.1(B) preceding) for the end offices for each Feature Group ordered from a customer's designated premises. The total busy hour minutes of capacity by type (e.g., originating, terminating, IDDD, Operator) for the end office will be converted to transmission paths using standard Telephone Company traffic engineering methods. The number of transmission paths provided shall be the number required based on (1) the use of access tandem switches and end office switches, (2) the use of the end office switches only, or (3) the use of the tandem switches only.

6.2.6 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.

ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.3 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:

6.3.1 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 intrastate and interstate use, the customer is responsible for providing reports as set forth in 2.3.9 preceding. Charges will be apportioned in accordance with those reports. The method to be used for determining the intrastate charges is set forth in 2.3.10 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.

6.3.2 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.

6.3.3 Supervisory Signaling

The customer's facilities shall provide the necessary on-hook, off-hook, answer and disconnect supervision.

## ACCESS SERVICE TARIFF

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

#### 6.3 Obligations of the Customer (Cont'd)

##### 6.3.4 Short Duration Mass Calling Requirements

When a customer offers service for which a substantial call volume is expected during a short period of time (e.g., 900 service media stimulated events), the customer must notify the Telephone Company at least 48 hours in advance of each peak period. Notification should include the nature, time, duration, and frequency of the event, an estimated call volume, and the telephone number(s) to be used.

On the basis of the information provided, the Telephone Company may invoke network management controls, (e.g., call gapping and code blocking) to reduce the probability of excessive network congestion. The Telephone Company will work cooperatively with the customer to determine the appropriate level of such control.

#### 6.4 Rate Regulations

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

##### 6.4.1 Description and Application of Rates and Charges

There are two types of rates and charges that apply to Switched Access Service. These are usage rates and nonrecurring charges. These rates and charges are applied differently to the various rate elements as set forth in (C) following.

###### (A) Usage Rates

Usage rates for Switched Access Service are rates that apply on a per access minute basis when a specific rate element is used except for Network Blocking which is applied on a per call blocked basis beyond the blocking threshold. Access minute charges and network blocking charges are accumulated over a monthly period.



ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.4 Rate Regulations (Cont'd)

6.4.1 Description and Application of Rates and Charges (Cont'd)

(B) Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for a specific work activity (i.e., installation or change to an existing service). The types of nonrecurring charges that apply for Switched Access Service are: installation of service and service rearrangements. These charges are in addition to the Access Order Charge as specified following.

(1) Installation of Service

Nonrecurring charges apply to each Switched Access Service installed. For FGA, which is ordered on a per line basis, and for FGB, FGC and FGD, which is ordered on a per trunk basis, the charge is applied on a per line or trunk basis respectively. For FGC and FGD, which are ordered on a busy hour minutes of capacity basis, the charge is also applied on a per trunk basis but the charge applies only when the capacity ordered requires the installation or activation of an additional trunk(s) which is uniquely identified for the sole use of the ordering customer.

(2) Reserved for Future Use

ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.4 Rate Regulations (Cont'd)

6.4.1 Description and Application of Rates and Charges (Cont'd)

(B) Nonrecurring Charges (Cont'd)

(3) Service Rearrangements

All changes to existing services other than changes involving administrative activities and the off-hook supervisory signaling of FGA Access Services will be treated as a discontinuance of the existing service and an installation of a new service. The nonrecurring charge described in (1) preceding will apply for this work activity. Moves that change the physical location of the point of termination are described and charged for as set forth in 6.4.4 following.

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 date (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.

ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.4 Rate Regulations (Cont'd)

6.4.1 Description and Application of Rates and Charges (Cont'd)

(B) Nonrecurring Charges (Cont'd)

(3) Service Rearrangements (Cont'd)

Changes and additions to existing Switched Access Services which are necessary due to Telephone Company initiated network reconfigurations, and required to provide the same grade of service to the customer that existed prior to the reconfiguration, will be made without charge to the customer. Charges will apply to those changes and additions which are in excess of those required to provide the same grade of service and/or capacity. Grade of service will be as determined by industry standard engineering tables. Changes to the point in time when the off-hook supervisory signal is provided in the originating call sequence i.e., when the off-hook supervisory signal is changed from being provided by the customer's equipment before the called party answers to being forwarded by the customer's equipment when the called party answers or vice versa, are subject to the Access Order Charge as set forth following.

For additions, changes or modifications to an optional feature which has a separate nonrecurring charge, that nonrecurring charge will apply.

For additions, changes, or modifications to optional features that do not have their own separate nonrecurring charges, an Access Order Charge as set forth following 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).

For conversion of FGC and FGD trunks from multifrequency address signaling to SS7 signaling or from SS7 signaling to multifrequency address signaling, nonrecurring charges will apply as set forth following.

ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.4 Rate Regulations (Cont'd)

6.4.1 Description and Application of Rates and Charges (Cont'd)

(C) Application of Rates

Rates are applied either as premium rates or non-premium rates. Non-premium rates are discounted access minute rates for measured or assumed access minutes.

The specific application of these rates for a specific customer is dependent upon the Feature Group, the availability of equal access capabilities in the end office to which the service is provided.

The following rules provide the basis for applying the rates and charges:

(1) Premium Rates

Premium rates apply to all FGC access minutes when the service is provided to customers which furnish intrastate MTS/WATS, and to all access minutes that originate or terminate at end offices equipped with equal access (i.e., FGD) capabilities. In addition, premium rates apply to FGB access minutes when utilized in the provision of MTS/WATS service.

(2) Non-premium Rates

Non-premium rates (i.e., discounted access minute rates) apply to all FGA and FGB access minutes (measured or assumed) originating or terminating in an end office which is not equipped with equal access capabilities.

In addition, non-premium rates apply to FGC access minutes originating in an end office which is not equipped with equal access capabilities when the FGC service is used for 800 Data Base services, by customers who do not furnish MTS/WATS.

ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.4 Rate Regulations (Cont'd)

6.4.1 Description and Application of Rates and Charges (Cont'd)

(C) Application of Rates (Cont'd)

(3) Reserved for Future Use

(4) Transition Billing Arrangement

When FGA, or FGB Switched Access Service, except as set forth in (1) preceding, provided to an entry switch (i.e., dial tone office for FGA and access tandem for FGB) has usage originating from and/or terminating at both end offices that have been converted to equal access and end offices that have not been converted, the premium and non-premium rates will apply in the following manner:

- (a) All access minutes that originate from or terminate at the equal access end office(s) will be billed at premium rates. InterLATA access minutes that originate from or terminate at end offices not equipped with equal access capabilities, hereinafter referred to as non-premium access minutes, will continue to be billed at non-premium rates. Non-premium rates will apply as follows depending on the type of service.
  - (i) For FGA and FGB services, the number of interLATA non-premium access minutes to be billed at non-premium rates is derived by subtracting the number of premium interLATA rated access minutes from the total number of interLATA access minutes.
  - (ii) Premium access minutes will be determined as set forth in (b) following.

ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.4 Rate Regulations (Cont'd)

6.4.1 Description and Application of Rates and Charges (Cont'd)

(C) Application of Rates (Cont'd)

(4) Transition Billing Arrangement (Cont'd)

(b) The number of access minutes to be rated as premium access minutes is determined as follows:

- (i) Where end office specific usage data is available, premium rates apply to the measured access minutes originating from or terminating at the equal access end office(s).
- (ii) Where end office specific usage data is not available for originating and/or terminating FGA or FGB, the total originating and/or terminating usage will be measured or assumed usage at the entry switch as set forth respectively in 6.5.4 and 6.6.4 following. Originating and/or terminating usage will then be apportioned between premium and non-premium access minutes.

Such apportionment will be based on the ratio of the number of subscriber lines in the access area (i.e., local calling areas for FGA originating minutes, LATA for FGA terminating minutes and end offices subtending the access tandem for FGB minutes) of the first point of switching that are served by equal access end offices to the total number of subscriber lines in that access area. The ratio thus developed is applied to the total measured or assumed originating FGA usage, terminating FGA usage, originating FGB usage or terminating FGB usage, as applicable, to determine the usage to be billed at premium rates, unless adjusted as set forth in (iii) following.

ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.4 Rate Regulations (Cont'd)

6.4.1 Description and Application of Rates and Charges (Cont'd)

(C) Application of Rates (Cont'd)

(4) Transition Billing Arrangement (Cont'd)

(b) (Cont'd)

(ii) (Cont'd)

The ratios used to calculate the premium usage will be determined on a quarterly basis. The ratios to be used for the succeeding quarter will be provided to the customer with the last bill rendered in the quarter or mailed separately within five working days after the first day of the new quarter (i.e., January, April, July and October).

For purposes of administering this provision: (1) subscriber lines are defined as exchange service lines, Centrex lines and Centrex-type lines provided by the Telephone Company under its local and/or general exchange service tariff; (2) the access area is defined as the local calling area of the dial tone office for originating FGA, the entire LATA for terminating FGA, and all end offices subtending the access tandem for originating and terminating FGB; and (3) the local calling area of the dial tone office is as defined in the Telephone Company's local and/or general exchange service tariff.

- (iii) Where FGD Switched Access Service is provided to a customer in an end office(s) where that customer's FGA or FGB premium access minutes have been determined in accordance with (ii) preceding, such premium access minutes will be adjusted in the following manner. For each FGD access minute originating from or terminating at that end office, the originating or terminating FGA or FGB premium access minutes determined as set forth in (ii) preceding will be reduced on a one for one basis, but in no event shall the reduction exceed the total number of FGA or FGB premium access minutes originating from or terminating at that end office. For each FGA or FGB premium minute of use reduction in either the originating or terminating direction, a corresponding originating or terminating non premium minute of use will be apportioned to those end offices in the access area that are non equal. Such apportionment will be based upon a ratio of the number of subscriber lines in each non equal end office to the total subscriber lines that are served by all non equal end offices in the access area. The customer will be billed for the revised number of premium or non premium access minutes.

ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.4 Rate Regulations (Cont'd)

6.4.1 Description and Application of Rates and Charges (Cont'd)

(C) Application of Rates (Cont'd)

(5) Unmeasured FGA and FGB Access Services

Where originating and/or terminating measurement capability does not exist for Feature Group A or Feature Group B Switched Access Services provided to the first point of switching, the number of access minutes that will be assumed are as set forth following in 6.5.4 and 6.6.4 respectively.

(6) Notice of Equal Access Conversion

The Telephone Company will provide written notification to all access customers of record within a particular LATA that an end office in that LATA is scheduled to be converted to an equal access end office. This notification will be sent, via certified U.S. Mail, to each customer of record in the LATA where the conversion is scheduled to occur, at least six months in advance of the conversion date.

The customer will have the choice of converting all or part of the existing services to equal access (i.e., Feature Group D) or retaining the existing services. The conversion of existing services will be at no charge provided the order to convert such services to Feature Group D is received as set forth in 6.4.3 following. Premium rates will apply to the total access minutes beginning on the actual conversion date, whether the customer chooses to convert to FGD or retain existing services.



ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.4 Rate Regulations (Cont'd)

6.4.1 Description and Application of Rates and Charges (Cont'd)

(C) Application of Rates (Cont'd)

(7) Common Channel Signaling/Signaling System 7(CCS/SS7) Network Connection

The CCS/SS7 Network Connection is comprised of a Signaling Mileage Facility charge, a Signaling Mileage Termination charge, a Signaling Entrance Facility charge, and a Signaling Transfer Point (STP) Port charge.

The Signaling Mileage Facility charge is assessed on a per facility per mile basis. The Signaling Mileage Termination charge is assessed on a per termination basis (i.e., at each end of the Signaling Mileage Facility). When the Signaling Mileage Facility mileage measurement is zero, Signaling Mileage Termination charges do not apply.

The Signaling Entrance Facility charge is assessed on a per facility basis for the connection between the customer's designated premises (Signaling Point of Interface) and the serving wire center of that premises.

The STP Port charge is assessed on a per port basis for each termination of a Signaling Mileage Facility at an STP.

(8) 800 Data Base Access Service

A Basic Query or Vertical Feature Query charge applies for each query that is launched to an 800 data base and identifies the customer to whom the call will be delivered. Query charges, as set forth following, will only be applied by those companies whose wire centers are identified as assessing query charges.

When Feature Group C or Feature Group D switched access service is used for the provision of 800 Data Base Access Service and the total minutes of use and/or count of queries can be determined for each customer at a tandem or SSP but can not be determined by individual end office, an allocation method will be utilized to determine minutes of use and/or queries by end office and customer. For each end office a ratio will be developed and applied against the total minutes of use and/or count of queries for a given customer as determined by the tandem or SSP. These ratios will be developed by dividing the unidentified originating 800 minutes of use at an end office by the total unidentified originating minutes of use in all end offices subtending the tandem or SSP. For example, assume:

ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.4 Rate Regulations (Cont'd)

6.4.1 Description and Application of Rates and Charges (Cont'd)

(C) Application of Rates (Cont'd)

(8) 800 Data Base Access Service (Cont'd)

Three end office (EO-1, EO-2, and EO-3) subtend a tandem

EO-1 measures 2,000 minutes of 800 use

EO-2 measures 3,000 minutes of 800 use

EO-3 measures 5,000 minutes of 800 use

10,000 TOTAL

The tandem delivers 800 usage to two customers:

IC-A has 4,000 minutes of use

IC-B has 6,000 minutes of use

The allocation ratio for EO-1 is 20%

2,000/10,000

The minutes of use to be billed by EO-1 are

800 to IC-A (20X X 4,000)

1,200 to IC-B (20X X 6,000)

2,000 TOTAL

(M)

(M) Material move to Page 84.8.3.

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6. Switched Access Service (Cont'd)

6.4 Rate Regulations (Cont'd)

6.4.1 Description and Application of Rates and Charges (Cont'd)

(C) Application of Rates (Cont'd)

(9) Dedicated Trunk Port

A Dedicated Trunk Port is applicable to the purchase of dedicated trunks terminated by that port. The Dedicated Trunk Port provides for the termination of a dedicated trunk at the end office or access tandem. The Dedicated Trunk Port is a flat rated charge assessed on a per channel basis. The rate is determined based on whether the trunk is voice grade or DS1.

A Dedicated Trunk Port charge shall be assessed on a per voice grade or DS1 channel terminating at an end office or access tandem.

(10) Shared Trunk Port

The Shared Trunk Port provides for the termination of a Tandem-Switched Trunk at an end office. The Shared Trunk Port is usage rated and shall be assessed to all access minutes which utilize Tandem-Switched Transport. This includes minutes of use associated with FGA service when traffic is terminated in an end office that is not the dial tone office and on minutes of use provided at a remote office.

The Shared Trunk Port charge does not apply to switched access minutes of use that originate or terminate at MTSOs directly interconnected to a Telephone Company access tandem.

When the Tandem-Switched Transport is provided by more than one telephone company, the Shared Trunk port charge shall be billed by the Telephone Company in whose territory the end office is located.

(N)

(N)

ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.4 Rate Regulations (Cont'd)

6.4.1 Description and Application of Rates and Charges (Cont'd)

(C) Application of Rates (Cont'd)

(D)

(11) Multiplexing

Multiplexing provides for arrangements to convert a single higher capacity or bandwidth circuit for bulk transport to several lower capacity or bandwidth circuits. Monthly rates and nonrecurring charges for multiplexing apply as follows:

- 1) the DS3/DS1 Multiplexing Charge applies to all DS3 to DS1 multiplexing arrangements;
- 2) the DS1/Voice Multiplexing Charge applies to all DS1 Entrance Facility and Direct-Trunked Transport circuits that terminate in an analog office and where the multiplexer performs DS1/Voice multiplexing functions;
- 3) a Multiplexing Charge will always apply when FGA is provisioned on a Switched DS1 and on High Capacity shared use switched and special access facilities.

Listed below are the multiplexing arrangements offered with switched access.

- DS1 to Voice

An arrangement that multiplexes twenty-four voice grade circuits to a single DS1 digital circuit at a rate of 1.544 Mbps, or multiplexes a single DS1 digital circuit at a rate of 1.544 Mbps to twenty-four voice grade circuits.

- 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.

(D)

(D)

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ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.4 Rate Regulations (Cont'd)

6.4.2 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 is calculated as follows.

For the Transport, Local Switching and Information Surcharge rate elements, the minimum monthly charge is the sum of the recurring charges set forth following for either the actual measured usage or the assumed usage prorated to the number of days or major fraction of days based on a 30 day month.

(M)

(M)

(M) Material move from Page 84.8.

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ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.4 Rate Regulations (Cont'd)

6.4.3 Change of Switched Access Service Arrangements

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 one exception. When a customer upgrades a Feature Group A or B service to a Feature Group D service and when Feature Group C is upgraded to Feature Group D coincident with the availability of Feature Group D in an end office, the nonrecurring charges will not apply and minimum period obligations will not change, i.e., the time elapsed in the existing minimum period obligation will be credited to the minimum period obligations for FGD service, subject to the following limitations.

In order to avoid the imposition of nonrecurring charges a customer which is a participant in the interLATA presubscription allocation process (i.e., is on the presubscription ballot) must:

submit its order to disconnect Feature Group A and/or B within 30 days after the date the results of the final allocation of customers in an end office are actually received by the customer, and

make the effective date for disconnection of the Feature Group A and/or B Access Services no later than 60 days after the final allocation results are received by the customer.

A customer which is not a participant in the allocation process (i.e., is not on the interLATA presubscription ballot) is subject to the same rules preceding. The time frames for the non-participating customer(s) are the same as those which apply to the last customer to receive the results of the final allocation of customers in an end office who is a participant in the allocation process. For all other changes from one type of Feature Group to another, new minimum period obligations will be established.



ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.4 Rate Regulations (Cont'd)

6.4.4 Moves

A move involves a change in the physical location of one of the following:

The point of termination at the point of connection

The point of connection

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 installation nonrecurring charge for the capacity affected. This charge is in addition to the Access Order Charge as specified following. 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 service. The customer will also remain responsible for satisfying all outstanding minimum period charges for the discontinued service.

6.4.5 Local Information Delivery Services

Calls over Switched Access Service in the terminating direction to certain community information services will be rated under the applicable rates for Switched Access Service as set forth 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.

ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.4 Rate Regulations (Cont'd)

6.4.6 Mileage Measurement

The mileage to be used to determine the monthly rate for Local Transport is calculated on the airline distance between the end office switch, which may be a Remote Switching Module, where the call carried by Local Transport originates or terminates and the point of connection (POC). Exceptions are as set forth in (A) through (G) following. For SS7 signaling, the mileage to be used to determine the monthly rate for the Signaling Mileage Facility is calculated on the airline distance between the serving wire center associated with the customer's designated premises (Signaling Point of Interface) and the Telephone Company wire center providing the STP Port.

Where applicable, the V&H coordinates method is used to determine mileage. Mileage rates are as set forth following. To determine the rate to be billed, first compute the airline mileage using the V&H coordinates method. If the calculation results in a fraction of a mile, always round up to the next whole mile before determining the mileage and applying the rates. Then multiply the mileage by the appropriate rate. See Matrix in (E) following.

Exceptions to the mileage measurement rules are as follows:

(A) Feature Group A - Originating Usage

Mileage for premium and non premium rated 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. The mileage measurement will be between the first point of switching (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.

(B) Feature Group A - No Usage Measurement or Limited Measurement

Where originating and/or terminating measurement capability (1) does not exist, or (2) exists but it is not End Office specific, mileage for FGA and FGB will be calculated in the unmeasured direction(s) on an airline basis using the V&H coordinates method. This mileage measurement will be between the first point of switching (end office switch where the switching dial tone is provided) and the customers serving wire center for the Switched Access Services.

ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.4 Rate Regulations (Cont'd)

6.4.6 Mileage Measurement (Cont'd)

(C) Feature Group C and D - Alternate Traffic Routing

Where the Alternate Traffic Routing optional feature is provided with Feature Groups C and D, the Transport access minutes will be apportioned between the two trunk groups used to provide this feature. Such apportionment will be made using: (1) standard Telephone Company traffic engineering methodology and will be based on the last trunk CCS desired for the high usage group, as described in 6.10.1(L) following (Alternate Traffic Routing), and the total busy hour minutes of 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, or (2) an apportionment mutually agreed to by the Telephone Company and the customer. This apportionment will serve as the basis for Transport mileage calculation.

ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.4 Rate Regulations (Cont'd)

6.4.6 Mileage Measurement (Cont'd)

(D) Feature Group C - Multiple CDPs

When terminating Feature Group C Switched Access Service is provided from multiple customer designated premises to an end office not equipped with measurement capabilities, the total Transport access minutes for that end office will be apportioned among the trunk groups accessing the end office on the basis of the individual busy hour minutes of capacity ordered for each of those trunk groups. This apportionment will serve as the basis for Transport mileage calculation.

(E) Local Transport Facility Matrix

	<u>EO</u>	<u>DTO</u>	<u>A/T</u>	<u>ICSWC</u>	<u>Directionality</u>
FGA(M)		LTT ----->			O
FGA(M)	LTT <----->				T
FGA(N)		LTT ----->			O or T
FGA SEC*	LTT----->				O
FGA SEC		No LT Applicable			T
FGB(M)	LTT <----->				O or T
FGB(N)		LTT <----->			O or T
FGC SEC		No LT Applicable			O or T
FGC	LTT <----->				O or T
FGD	LTT <----->				O or T

Key

M- End Office Specific Measurement Available  
 N No End Office Specific Measurement Available  
 O Originating  
 T- Terminating  
 EO End Office  
 DTO Dial Tone Office  
 A/T Access Tandem  
 ICSWC IC Serving Wire Center  
 LTT Local Transport Termination

\* Only Secondary Exchange Carrier (SEC) mileage measurement is applicable under this tariff.

ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.4 Rate Regulations (Cont'd)

6.4.7 Mixed Use

Mixed use occurs when Switched Access Service and Special Access Service are provided over the same High Capacity service through a common interface. Mixed use is the provision of both Switched and Special Access Services over the same High Capacity facilities. Mixed use facilities to a hub will be ordered and provided as Special Access Service. Where mixed use is employed, individual services utilizing these facilities must be ordered either as Switched Access Service or Special Access Service as further elaborated. When placing the order for the individual service(s), the customer must specify a channel assignment for each service ordered.

6.4.8 Message Unit Credit for Feature Group A

Calls from end users to the seven digit local telephone numbers associated with Feature Group A Switched Access Service are subject to Telephone Company local and/or general exchange service tariff charges (including message unit and toll charges as applicable). The monthly bills rendered to customers for their Feature Group A Switched Access Service will include a credit to reflect any message unit charges collected from their end users under the Telephone Company's local and/or general exchange service tariffs. When the customer is provided FGA service where measurement capability does not exist, the credit will apply to access minutes not to exceed the assumed originating access minutes. No credit will apply for any terminating FGA access minutes. The message unit credit for originating access minutes will be based on the generally applicable message unit charges of the Telephone Company.

6.4.9 Application of Rates for Feature Group A Extension Service

Feature Group A Switched Access Service is available with extensions, i.e., additional terminations of the service at different customer designated premises in the same LATA as the FGA dial tone office or a LATA other than the LATA where the FGA dial tone office is located. Feature Group A extensions within the same LATA and the same state as the dial tone office are provided and charged under the Telephone Company's local and/or general exchange service tariffs. Feature Group A extensions located in a LATA other than the LATA where the dial tone office is located are charged as Special Access Service. The rate elements which apply are: A Voice Grade Channel Termination, Channel mileage, if applicable, and Signaling Capability (optional features and functions), if applicable. All appropriate monthly rates and nonrecurring charges set forth following will apply.

ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.5 Description and Provision of Feature Group A (FGA)

6.5.1 Description

- (A) FGA Access, which is available to all customers, 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 communications from 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 within state. 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 for the provision of WATS-type services. Special Access Services are ordered as set forth in 5.2 preceding.
- (B) FGA Switching is provided at all end office switches. 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 which are specified by the customer's order for service.
- (C) FGA provides a line side termination at the first point of switching (dial tone office). 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.
- (D) 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.
- (E) 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.

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6. Switched Access Service (Cont'd)

6.5 Description and Provision of Feature Group A (FGA) (Cont'd)

6.5.1 Description (Cont'd)

- (F) 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.
- (G) 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 Local Transport provided.
- (H) FGA switching, when used in the terminating direction, may be used to access local operator service (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 or the Telephone Company, community information services of an information service provider, and other customers' services (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.

For calls to Directory Assistance (411 and 555-1212, whichever is available), Local Transport rates for FGA Switched Access Service will apply.

- (I) 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 limited period of time, an announcement that the service associated with the number dialed has been disconnected.

ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.5 Description and Provision of Feature Group A (FGA) (Cont'd)

6.5.2 Optional Features

Following are the various nonchargeable optional features that are available in lieu of, or in addition to, the standard features provided with Feature Group A. They are provided as Common Switching, Transport Termination or Local Transport options.

(A) Common Switching Options

Descriptions of the common switching optional features are set forth in 6.10 following.

- (1) Call Denial on Line or Hunt Group
- (2) Service Code Denial on Line or Hunt Group
- (3) Hunt Group Arrangement
- (4) Uniform Call Distribution Arrangement
- (5) Nonhunting Number for Use with Hunt Group or Uniform Call Distribution Arrangement
- (6) Band Advance Arrangement for Use with Special Access Service Utilized in the Provision of WATS-Type Services
- (7) Hunt Group Arrangement for Use with Special Access Service Utilized in the Provision of WATS-Type Services
- (8) Uniform Call Distribution Arrangement for Use with Special Access Service Utilized in the Provision of WATS-Type Services
- (9) Nonhunting Number Associated with a Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use with Special Access Service Utilized in the Provision or WATS-Type Services



ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.5 Description and Provision of Feature Group A (FGA) (Cont'd)

6.5.2 Optional Features (Cont'd)

(B) Transport Termination

- (1) Two-way operation with dial pulse address signaling and loop start supervisory signaling
- (2) Two-way operation with dial pulse address signaling and ground start supervisory signaling
- (3) Two-way operation with dial tone multifrequency address signaling and loop start supervisory signaling
- (4) Two-way operation with dial tone multifrequency address signaling and ground start supervisory signaling
- (5) Terminating operation with dial pulse address signaling and loop start supervisory signaling
- (6) Terminating operation with dial pulse address signaling and ground start supervisory signaling
- (7) Terminating operation with dual tone multifrequency address signaling and loop start supervisory signaling
- (8) Terminating operation with dual tone multifrequency address signaling and ground start supervisory signaling
- (9) Originating operation with loop start supervisory signaling
- (10) Originating operation with ground start supervisory signaling

(C) Transport Options

- (1) Supervisory Signaling (as set forth in Section 11 following)

6.5.3 Optional Features Provided In Local Tariffs

Certain other features which may be available in connection with Feature Group A (e.g., Speed Calling, Remote Call Forwarding, Bill Number Screening, IntraLATA extensions) are provided under the Telephone Company's local and/or general exchange service tariffs.

## ACCESS SERVICE TARIFF

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

#### 6.5 Description and Provision of Feature Group A (FGA) (Cont'd)

##### 6.5.4 Measuring Access Minutes

Customer Feature Group A traffic to end offices will be measured (i.e., recorded) or assumed by the Telephone Company at end office switches. Originating and terminating calls will be measured (i.e., recorded) or assumed by the Telephone Company to determine the basis for computing chargeable access minutes. In the event the customer message detail is not available because the Telephone Company lost or damaged data files or incurred recording system outages, the Telephone Company will estimate the volume of lost customer access minutes of use based on previously known values. (C)

For terminating calls over FGA and for originating calls over FGA (when the off-hook supervisory signal is provided by the customer's equipment before the called party answers), the measured minutes are the chargeable access minutes. For originating calls over FGA (when the off-hook supervisory signal is forwarded by the customer's equipment when the called party answers), chargeable originating access minutes are derived from recorded minutes using the same formula as set forth in 6.7.4 following for Feature Group C.

For originating calls over FGA, usage measurement begins when the originating FGA first point of switching receives an off-hook supervisory signal forwarded from the customer's point of termination. This off-hook signal may be provided by the customer's equipment before the called party answers, or forwarded by the customer's equipment when the called party answers.

The measurement of originating call usage over FGA ends when the originating FGA first point of switching 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 first point of switching.

For terminating calls over FGA, usage measurement begins when the terminating FGA first point of switching 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 first point of switching 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 first point of switching.

ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.5 Description and Provision of Feature Group A (FGA) (Cont'd)

6.5.4 Measuring Access Minutes (Cont'd)

FGA 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 line or hunt group, and are then rounded up to the nearest access minute for each line or hunt group.

Assumed minutes are used for FGA services which originate or terminate in end offices not equipped with measurement capabilities and in such cases are the chargeable access minutes.

Where originating and terminating measurement capability does not exist for Feature Group A provided to the first point of switching, the number of access minutes will be assumed as set forth following.

Where measurement capability exists for either originating or terminating usage, but not both, on a line arranged for two way calling, the number of access minutes per line per month will be assumed usage, as set forth following, or the measured usage, whichever is greater. If the usage in the measured direction exceeds the assumed access minutes per line per month, no usage will be assigned in the unmeasured direction. If the measured usage is less than the assumed access minutes per line per month, the usage in the unmeasured direction will be the assumed usage, as set forth following, for that unmeasured direction except that the total of measured and assumed minutes in such instances will not exceed the total assumed usage designated for two way calling set forth in following. If the total exceeds the assumed minutes set forth following, the assigned minutes shall be reduced so that the total of measured and unmeasured minutes equals the assumed minutes for two way calling set forth following.

Additionally, when the line is arranged for one way calling and there is no measurement capability for that direction, assumed originating access minutes, as set forth following, will be assigned for originating calling only lines and assumed terminating access minutes, as set forth following, will be assigned for terminating calling only lines.

ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.5 Description and Provision of Feature Group A (FGA) (Cont'd)

6.5.4 Measuring Access Minutes (Cont'd)

The following matrix illustrates the application of assumed access minutes for FGA as set forth following.

<u>Service Ordered As</u>	<u>Can Measure Originating</u>	<u>Can't Measure Originating</u>	<u>Can Measure Terminating</u>	<u>Can't Measure Terminating</u>
Originating Only	Actual	1,510	N/A	N/A
Terminating Only	N/A	N/A	Actual	2,685
Both Originating and Terminating (originating measurement greater than 4,195)	Actual	N/A	N/A	0
Both Originating and Terminating (originating measurement equal or less than 4,195)	Actual	N/A	N/A	0 to 2,685*
Both Originating and Terminating (terminating measurement greater than 4,195)	N/A	0	Actual	N/A
Both Originating and Terminating (terminating measurement equal or less than 4,195)	N/A	0 to 1,510*	Actual	N/A

\* Sum of actual and assumed cannot exceed 4,195. Reduce assumed minutes of use if necessary.

Notwithstanding the preceding, when Feature Group A is used for the provision of WATS-type service where measurement capability exists at the WATS Serving Office but not at the Feature Group A first point of switching, the measured WATS-type originating and/or terminating minutes of use shall be separately summed and compared to their respective total assumed originating and/or terminating minutes of use. The number of access minutes per line per month will be the assumed or the measured usage, whichever is greater.

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6. Switched Access Service (Cont'd)

6.5 Description and Provision of Feature Group A (FGA) (Cont'd)

6.5.5 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 tests described in 6.2.4 preceding which are included with the installation of service (Acceptance Testing) and as ongoing routine testing, Additional Cooperative Acceptance Testing and Additional Manual Testing are available as set forth in 7.1.3 following.

6.6 Description and Provision of Feature Group B (FGB)

6.6.1 Description

(A) FGB Access, which is available to all customers, provides trunk side access to Telephone Company end office switches with an associated uniform 950-1XXX or 950-0XXX access code. FGB trunk side access is provided for the customer's use in originating communications from and terminating communications to an Interexchange Carrier's Intrastate Service or a customer provided intrastate communication 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 within the state. 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 for the provision of WATS or WATS-type services. Special Access Services are ordered as set forth in 5.2 preceding.

ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.6 Description and Provision of Feature Group B (FGB) (Cont'd)

6.6.1 Description (Cont'd)

- (B) 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 electronic and electromechanical end office switches.
- (C) 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-pulsing signals and answer and disconnect supervisory signaling.
- (D) 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 respectively in 6.10.1(F) and 6.10.2(A) 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 Transport provided.
- (E) The access code for FGB switching is a uniform access code. The form of the uniform access code is 950-1XXX or 950-0XXX. A uniform access code(s) will be assigned to the customer for the customer's domestic communications and another will be assigned to the customer for its international communications, if required. These access codes will be the assigned access numbers of all FGB switched access service provided to the customer by the Telephone Company.
- (F) 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 ordered. 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.

ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.6 Description and Provision of Feature Group B (FGB) (Cont'd)

6.6.1 Description (Cont'd)

- (G) FGB switching, when used in the terminating direction, may be used to access valid NXXs in the LATA, 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 directly routed to an end office, only those valid NXX codes served by that end 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 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 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 that customer.

Calls in the terminating direction will not be completed to 950-1XXX or 950-0XXX access codes, local operator assistance (0- and 0+), Directory Assistance (411 and 555-1212), service codes 611 and 911 or 10XXX access codes. FGB may not be switched, in the terminating direction, to Switched Access Service Feature Groups B, C and D.

- (H) When all FGB switching arrangements are discontinued at an end office and/or in a LATA, an intercept announcement is provided. This arrangement provides, for a limited period of time, an announcement that the service associated with the number dialed has been disconnected.

6.6.2 Optional Features

Following are descriptions of the various nonchargeable optional features that are available in lieu of, or in addition to, the standard features provided with Feature Group B. They are set forth in (A), (B) and (C) following and are provided as Common Switching, Transport Termination and Local Transport options. Additionally, other optional features provided in local tariffs are set forth in (D) following.

ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.6 Description and Provision of Feature Group B (FGB) (Cont'd)

6.6.2 Optional Features (Cont'd)

(A) Common Switching Options

Descriptions of the common switching optional features are set forth in 6.10 following.

- (1) Automatic Number Identification (ANI)
- (2) Up to 7 Digit Outpulsing of Access Digits to Customer
- (3) Band Advance Arrangement for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services
- (4) Hunt Group Arrangement for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services
- (5) Uniform Call Distribution Arrangement for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services
- (6) Nonhunting Number Associated with Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services

(B) Transport Termination Options

Rotary Dial Station Signaling

(C) Transport Options

- (1) Customer Specification of Transport Termination
- (2) Optional Supervisory Signaling
- (3) Customer Specified Entry Switch Receive Level

Inasmuch as these options concern transmission levels and signaling they are set forth in Section 11 following.

(D) Optional Features Provided In Local Tariffs

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.



## ACCESS SERVICE TARIFF

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

#### 6.6 Description and Provision of Feature Group B (FGB) (Cont'd)

##### 6.6.3 Design and Traffic Routing

For Feature Group B, the trunk directionality and traffic routing of the Switched Access Service between the customer designated premises and the entry switch are determined by the customer's order for service.

##### 6.6.4 Measuring Access Minutes

Customer traffic to end offices will be measured (i.e., recorded) or assumed by the Telephone Company at end office switches or access tandem switches. Originating and terminating calls will be measured (i.e., recorded) or assumed by the Telephone Company to determine the basis for computing chargeable access minutes. In the event the customer message detail is not available because the Telephone Company lost or damaged data files or incurred recording system outages, the Telephone Company will estimate the volume of lost customer access minutes of use based on previously known values.

(C)

For both originating and terminating calls over FGB the measured minutes are the chargeable access minutes.

For originating calls over FGB, usage measurement begins when the originating FGB first point of switching receives answer supervision forwarded from the customer's point of termination, indicating the customer's equipment has answered.

The measuring of originating call usage over FGB ends when the originating FGB first point of switching 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 first point of switching.

For terminating calls over FGB, usage measurement begins when the terminating FGB first point of switching 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 first point of switching 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 first point of switching.

FGB 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.

ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.6 Description and Provision of Feature Group B (FGB) (Cont'd)

6.6.4 Measuring Access Minutes (Cont'd)

Assumed minutes are used for FGB services which originate or terminate in end offices not equipped with measurement capabilities and in such cases are the chargeable access minutes.

Where originating and terminating measurement capability does not exist for Feature Group B provided to the first point of switching, the number of access minutes will be assumed, as set forth following, when the trunk is arranged for two way calling. Where measurement capability exists for either originating or terminating usage, but not both, on a trunk arranged for two way calling, the number of access minutes per trunk per month will be assumed usage, as set forth following, or the measured usage, whichever is greater. If the usage in the measured direction exceeds the assumed access minutes per trunk per month, no usage will be assigned in the unmeasured direction. If the measured usage is less than the assumed access minutes per trunk per month, the usage in the unmeasured direction will be the assumed usage, as set forth following, for that unmeasured direction except that the total of measured and assumed minutes in such instances will not exceed the total assumed usage designated for two way calling set forth following. If the total exceeds the assumed minutes set forth following, the assigned minutes shall be reduced so that the total of measured and unmeasured minutes equals the assumed minutes for two way calling set forth following.

Additionally, when the trunk is arranged for one way calling and there is no measurement capability for that direction, assumed originating access minutes, as set forth following, will be assigned for originating calling only lines and assumed terminating access minutes, as set forth following, will be assigned for terminating calling only lines.

ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.6 Description and Provision of Feature Group B (FGB) (Cont'd)

6.6.4 Measuring Access Minutes (Cont'd)

<u>Service Ordered As</u>	<u>Can Measure Originating</u>	<u>Can't Measure Originating</u>	<u>Can Measure Terminating</u>	<u>Can't Measure Terminating</u>
Originating Only	Actual	3,132	N/A	N/A
Terminating Only	N/A	N/A	Actual	5,568
Both Originating and Terminating (originating measurement greater than 8,700)	Actual	N/A	N/A	0
Both Originating and Terminating (originating measurement equal or less than 8,700)	Actual	N/A	N/A	0 to 5,568*
Both Originating and Terminating (terminating measurement greater than 8,700)	N/A	0	Actual	N/A
Both Originating and Terminating (terminating measurement equal or less than 8,700)	N/A	0 to 3,132*	Actual	N/A

\* Sum of actual and assumed cannot exceed 8,700. Reduce assumed minutes of use if necessary.

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6. Switched Access Service (Cont'd)

6.6 Description and Provision of Feature Group B (FGB) (Cont'd)

6.6.4 Measuring Access Minutes (Cont'd)

Notwithstanding the preceding, when Feature Group B is used for the provision of WATS or WATS-type service where measurement capability exists at the WATS Serving Office but not at the Feature Group B first point of switching, the measured WATS or WATS-type originating and/or terminating minutes of use shall be separately summed and compared to their respective total assumed originating and/or terminating minutes of use. The number of minutes per trunk per month will be the assumed or the measured usage, whichever is greater.

When Feature Group B is ordered at an access tandem and end office specific usage measurement is not available, the actual or assumed originating and/or terminating minutes of use as determined by the exchange carrier providing the access tandem will be apportioned among all subtending end offices. For each end office, such apportionment shall be based on the ratio of the total number of subscriber lines in each end office subtending the access tandem to the total number of subscriber lines associated with all end offices subtending the access tandem. For purposes of administering this regulation, subscriber lines are defined as exchange service lines, Centrex lines and Centrex-type lines provided by the telephone companies under local and/or general exchange service tariffs. The resulting ratio for each end office is then applied to the total access area originating and/or terminating minutes of use to determine originating and/or terminating minutes of use to be assigned for billing purposes to each subtending end office in the access area

The ratio used to calculate the access minutes will be determined by the Telephone Company and provided to the customer upon his request within 15 days of the receipt of such request.

ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.6 Description and Provision of Feature Group B (FGB) (Cont'd)

6.6.5 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 type) test line, loop around test line, short circuit test line and open circuit test line. In addition to the tests described in 6.2.4 preceding which are included with the installation of service (Acceptance Testing) and as ongoing routine testing, Additional Cooperative Acceptance Testing, Additional Automatic Testing, and Additional Manual Testing are available as set forth in Section 11 following.

6.7 Description and Provision of Feature Group C (FGC)

6.7.1 Description

- (A) FGC Access provides trunk side access to Telephone Company end office switches for the customer's use in originating and terminating communications. Originating and terminating FGC Access is available to providers of MTS and WATS. Originating FGC Access is available to all customers when used to provide 800 Data Base service. Terminating FGC Access is available to all customers other than providers of MTS and WATS when such access is used in conjunction with the provision of 800 Data Base service, but only for purposes of testing. Existing FGC Access will be converted to Feature Group D Access when Feature Group D Access becomes available in an end office. Special Access Services utilized for connection with FGC 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 FGC Switched Access Service (i.e., a provider of MTS and WATS) for the provision of WATS Services. Special Access Services are ordered as set forth in 5.2 preceding.

Regulations applicable to WATS Access Lines being used as an option of Switched Access Service are as set forth in 6.11 following.

- (B) Feature Group C switching is provided at all end office switches unless Feature Group D end office switching is provided in the same office. When FGD switching is available, FGC switching will not be provided. FGC is provided at Telephone Company end office switches on a direct trunk basis or via Telephone Company designated access tandem switches. Feature Group C switching is furnished to providers of MTS and WATS. Additionally, originating Feature Group C switching is available to all customers when used to provide 800 Data Base service. Terminating Feature Group C switching is available to all customers who are not MTS and WATS providers only when such terminating access is for purposes of testing Feature Group C facilities provided in conjunction with 800 Data Base service.

ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.7 Description and Provision of Feature Group C (FGC) (Cont'd)

6.7.1 Description (Cont'd)

- (C) FGC 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 answer and disconnect supervisory signaling. Wink start start-pulsing signals are provided in all offices where available. In those offices where wink start start-pulsing signals are not available, delay dial start-pulsing signals will be provided, unless immediate dial pulse signaling is provided, in which case no start-pulsing signals are provided.
- (D) FGC is provided with multifrequency address signaling except in certain electromechanical end office switches where multifrequency signaling is not available. In such switches, the address signaling will be dial pulse or immediate dial pulse signaling, whichever is available. Up to 12 digits of the called party number dialed by the customer's end user using dual tone multifrequency or dial pulse address signals will be provided by Telephone Company equipment to the customer's premises where the Switched Access Service terminates. Such called party number signals will be subject to the ordinary transmission capabilities of the Transport provided.
- (E) No access code is required for FGC switching. The telephone number dialed by the customer's end user shall be a seven or ten digit number for calls in the North American Numbering Plan (NANP). The form of the numbers dialed by the customer's end user is NXX-XXXX, 0 or 1 + NXX-XXXX, NPA + NXX-XXXX, and 0 or 1 + NPA + NXX-XXXX.
- (F) FGC switching, when used in the terminating direction, may be used to access valid NXXs in the LATA, time or weather announcement services of the Telephone Company, community information services of an information provider, and other customer's services (by dialing the appropriate codes) when the 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 offices subtending the access tandem may be accessed. Where measurement capabilities exist, the customer will also 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 for calls from a FGC 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 950-1XXX or 950-0XXX access codes, local operator assistance (0- and 0+), Directory Assistance (411 and 555-1212), service codes 611 and 911 and 10XXX access codes. FGC may not be switched, in the terminating direction, to Switched Access Service Feature Groups B, C or D.

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6. Switched Access Service (Cont'd)

6.7 Description and Provision of Feature Group C (FGC) (Cont'd)

6.7.1 Description (Cont'd)

- (G) The Telephone Company will establish a trunk group or groups for the customer at end office switches or access tandem switches where FGC switching is provided. When required by technical limitations, a separate trunk group will be established for each type of FGC switching arrangement provided. Different types of FGC or other switching arrangements may be combined in a single trunk group at the option of the Telephone Company.
- (H) FGC switching is provided with multifrequency address signaling or out of band SS7 signaling where technically feasible. With multifrequency address signaling and SS7 signaling, up to 12 digits of the called party number dialed by the customer's end user using dual tone multifrequency 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.

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6. Switched Access Service (Cont'd)

6.7 Description and Provision of Feature Group C (FGC) (Cont'd)

6.7.2 Optional Features

Following are descriptions of the various nonchargeable and chargeable optional features that are available in lieu of, or in addition to, the standard features provided with Feature Group C. Nonchargeable optional features are provided as Common Switching, Transport Termination and Transport options as set forth in (A) through (C) following. Chargeable optional features are set forth in (D) following.

(A) Common Switching Options

Descriptions of the common switching optional features are set forth in 6.10 following.

- (1) Automatic Number Identification (ANI)
- (2) Signaling Options
  - (a) Delay Dial Start-Pulsing Signaling
  - (b) Immediate Dial Pulse Address Signaling
  - (c) Dial Pulse Address Signaling
- (3) Service Class Routing
- (4) Alternate Traffic Routing
- (5) Trunk Access Limitation
- (6) Band Advance Arrangement Associated with Special Access Service Utilized in the Provision of WATS Service
- (7) End Office End User Line Service Screening for Use with Special Access Service Utilized in the Provision of WATS Service
- (8) Hunt Group Arrangement for Use with Special Access Service Utilized in the Provision of WATS Service
- (9) Uniform Call Distribution Arrangement for Use with Special Access Service Utilized in the Provision of WATS Services
- (10) Nonhunting Number Associated with a Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use with Special Access Service Utilized in the Provision of WATS Services

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6. Switched Access Service (Cont'd)

6.7 Description and Provision of Feature Group C (FGC) (Cont'd)

6.7.2 Optional Features (Cont'd)

(B) Transport Termination Options

- (1) Operator Trunk - Coin, Non-Coin, or Combined Coin and Non-Coin

The Operator Trunk option is set forth in 6.10.2(B) following.

(C) Local Transport Options

- (1) Supervisory Signaling

The Supervisory Signaling optional feature, due to its technical nature, is set forth in Section 11 following.

- (2) Signaling System 7 (SS7)

The SS7 optional feature allows the customer to receive signals for out of band call set up and is available with Feature Group C. This option requires the establishment of a signaling connection between the customer's designated premises/SPOI and a Signaling Transfer Point (STP).

SS7 is provided in both the originating and terminating direction on FGC and each signaling connection is provisioned for two way SS7 signaling information.

The SS7 optional feature is only available where designated in Tariff F.C.C. No. 4 to providers of MTS and WATS for all traffic and to all other customers for originating calls to 800 numbers.

- (3) Multifrequency Address Signaling

- (4) Calling Party Number (CPN)

- (5) Charge Number Parameter (CNP)

(D) Chargeable Optional Features

- (1) Common Channel Signaling/Signaling System 7 (CCS/SS7) Network Connection Service (CCSNC)

The CCSNC Optional Feature is provided as set forth in 6.10.4 following.

## ACCESS SERVICE TARIFF

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

#### 6.7 Description and Provision of Feature Group C (FGC) (Cont'd)

##### 6.7.3 Design and Traffic Routing

For Feature Group C, the Telephone Company shall design and determine the routing of Switched Access Service, including the selection of the first point of switching and the selection of facilities from the interface to any switching point and to the end offices where busy hour minutes of capacity are ordered. The Telephone Company shall also decide if capacity is to be provided by originating only, terminating only, or two-way trunk groups. Finally, the Telephone Company will decide whether trunk side access will be provided through the use of two-wire or four-wire trunk terminating equipment.

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.

##### 6.7.4 Measuring Access Minutes

Customer traffic to end offices will be measured (i.e., recorded) by the Telephone Company at end office switches or access tandem switches. Originating and terminating calls will be measured or imputed by the Telephone Company to determine the basis for computing chargeable access minutes. In the event the customer message detail is not available because the Telephone Company lost or damaged data files or incurred recording system outages, the Telephone Company will estimate the volume of lost customer access minutes of use based on previously known values.

(C)

For terminating calls over FGC, when measurement capability exists, the measured minutes are the chargeable access minutes. For originating calls over FGC, chargeable originating access minutes are derived from recorded minutes in the following manner:

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6. Switched Access Service (Cont'd)

6.7 Description and Provision of Feature Group C (FGC) (Cont'd)

6.7.4 Measuring Access Minutes (Cont'd)

- Step 1: Obtain recorded originating minutes and messages, sourcing from the appropriate recording data.
- Step 2: Obtain the total attempts by dividing the originating measured messages by the completion ratio. Completion ratios (CR) are obtained separately for the major call categories such as DDD, operator, 800, 900, and directory assistance from a sample study which analyzes the ultimate completion status of the total attempts which receive acknowledgment from the customer. That is, Measured Messages divided by Completion Ratio equals Total Attempts.
- Step 3: Obtain the total non-conversation time additive (NCTA) by multiplying the total attempts (obtained in Step 2) by the NCTA per attempt ratio. The NCTA per attempt ratio is obtained from the sample study identified in Step 2 by measuring the non-conversation time associated with both completed and incomplete attempts. The total NCTA is the time on a completed attempt from customer acknowledgment of receipt of call to called party answer (set up and ringing) plus the time on an incomplete attempt from customer acknowledgment of call until the access tandem or end office receives a disconnect signal (ring - no answer, busy or network blockage). That is, Total Attempts times Non-Conversation Time per Attempt Ratio equals Total NCTA.
- Step 4: Obtain total chargeable originating access minutes by adding the total NCTA (obtained in Step 3) to the recorded originating measured minutes (obtained in Step 1). That is, Measured Minutes plus NCTA equals Chargeable Originating Access Minutes.

Following is an example which illustrates how the chargeable originating access minutes are derived from the measured originating minutes using this formula.

Where:	Measured Minutes (M. Min.)	=	7,000
	Measured Messages (M. Mes.)	=	1,000
	Completion Ratio (CR)	=	.75
	NCTA per Attempt	=	.4
(1)	Total Attempts = 1,000(M. Mes)	=	1,333.3 .75
(2)	Total NCTA = .4 (NCTA per Attempt) x 1,333.33	=	533.33
(3)	Total Chargeable Originating Access Minutes =		7,000 (M. Min) + 533.33 (NCTA) = 7,533.33

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6. Switched Access Service (Cont'd)

6.7 Description and Provision of Feature Group C (FGC) (Cont'd)

6.7.4 Measuring Access Minutes (Cont'd)

FGC 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.

Originating Usage

For originating calls over FGC, usage measurement begins when the originating FGC first point of switching receives answer supervision from the customer's point of termination, indicating the called party has answered.

For originating calls over FGC provided with Signaling System 7 (SS7) Signaling when the FGC end office is not routed through an access tandem for connection to the customer, usage measurement begins when the SS7 Initial Address Message is sent from the Service Switching Point (SSP) to the Service Transfer Point (STP).

For originating calls over FGC provided with Signaling System 7 (SS7) Signaling when the FGC end office is routed through a tandem for connection to the customer, usage measurement begins when the FGC end office receives the SS7 Exit Message from the tandem.

The measurement of originating call usage over FGC ends when the originating FGC first point of switching 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 first point of switching.

The measurement of originating call usage over FGC provided with SS7 Signaling ends when the originating FGC end office receives an SS7 Release Message indicating either the originating or terminating end user has disconnected.

ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.7 Description and Provision of Feature Group C (FGC) (Cont'd)

6.7.4 Measuring Access Minutes (Cont'd)

Terminating Usage

For terminating calls over FGC to services other than closed end services (e.g., 800 and 900 services) or Directory Assistance, the chargeable access minutes are either measured or imputed. For terminating calls over FGC where measurement capability does not exist, terminating FGC usage is imputed from originating usage, excluding usage from calls to closed end services or Directory Assistance Services.

Terminating Usage

For terminating calls over FGC where measurement capability exists, the measurement of chargeable access minutes begins when the terminating FGC first point of switching receives answer supervision from the terminating end user's end office, indicating the terminating end user has answered. This measurement ends when the terminating FGC first point of switching receives an on-hook supervisory signal from 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 first point of switching.

For terminating calls over FGC with SS7 signaling, usage measurement begins when the terminating recording switch receives answer supervision from the terminating end user. The Telephone Company switch receives answer supervision and sends the indication to the customer in the form of an answer message. The measurement of terminating FGC call usage ends when the entry switch receives or sends Release Message, whichever occurs first.

ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.7 Description and Provision of Feature Group C (FGC) (Cont'd)

6.7.5 Design Blocking Probability

The Telephone Company will design the facilities used in the provision of Switched Access Service FGC to meet the blocking probability criteria as set forth in (A) and (B) following.

- (A) For Feature Group C, the design blocking objective will be no greater than one percent (.01) between the point of terminating at the customer's designated premises and the first point of switching when traffic is directly routed without an alternate route. 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.
- (B) The Telephone Company will perform routine measurement functions to assure that an adequate number of transmission paths are in service. The Telephone Company will recommend that additional capacity (i.e., busy hour minutes of capacity) be ordered by the customer when additional paths are required to reduce the measured blocking to the designed blocking level. For the 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 threshold listed in the following tables.
  - (1) For transmission paths carrying only first routed traffic direct between an end office and customer's designated premises without an alternate route, and for paths carrying only overflow traffic, the measured blocking thresholds are as follows:

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6. Switched Access Service (Cont'd)

6.7 Description and Provision of Feature Group C (FGC) (Cont'd)

6.7.5 Design Blocking Probability (Cont'd)

Number of Transmission Paths Per Trunk Group	Measured Blocking Thresholds in the Time Consistent Busy Hour for the Number of Measurements Taken Between 8:00 a.m. and 11:00 p.m. Per Trunk Group			
	15-20	11-14	7-10	3-6
	Measurements	Measurements	Measurements	Measurements
2	7%	8%	9%	14%
3	5%	6%	7%	9%
4	5%	6%	7%	8%
5-6	4%	5%	6%	7%
7 or more	3%	3.5%	4%	6%

- (2) For transmission paths carrying first routed traffic between an end office and customer's premises via an access tandem, the measured blocking thresholds are as follows:

Number of Transmission Paths Per Trunk Group	Measured Blocking Thresholds in the Time Consistent Busy Hour for the Number of Measurements Taken Between 8:00 a.m. and 11:00 p.m. Per Trunk Group			
	15-20	11-14	7-10	3-6
	Measurements	Measurements	Measurements	Measurements
2	4.5%	5.5%	6.0%	9.5%
3	3.5%	4.0%	4.5%	6.0%
4	3.5%	4.0%	4.5%	5.5%
5-6	2.5%	3.5%	4.0%	4.5%
7 or more	2.0%	2.5%	3.0%	4.0%

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6. Switched Access Service (Cont'd)

6.7 Description and Provision of Feature Group C (FGC) (Cont'd)

6.7.6 Testing Capabilities

FGC 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 tests described in 6.2.4 preceding which are included with the installation of service (Acceptance Testing) and as ongoing routine testing, Additional Cooperative Acceptance Testing, Additional Automatic Testing and Additional Manual Testing are available as set forth in Section 11 following.

6.8 Description and Provision of Feature Group D (FGD)

6.8.1 Description

- (A) FGD Access, which is available to all customers, provides trunk side access to Telephone Company end office switches. 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 which orders the FGD Switched Access Service for the provision of WATS or WATS-type services. Special Access Services are ordered as set forth in 5.2 preceding.
- (B) FGD is provided at Telephone Company designated end office switches whether routed directly or via Telephone Company designated electronic access tandem switches.
- (C) 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 start-pulsing signals and answer and disconnect supervisory signaling.
- (D) FGD switching is provided with multifrequency address signaling or out of band SS7 signaling. With multifrequency address signaling and SS7 signaling, up to 12 digits of the called party number dialed by the customer's end user using dual tone multifrequency 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.



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6. Switched Access Service (Cont'd)

6.8 Description and Provision of Feature Group D (FGD) (Cont'd)

6.8.1 Description (Cont'd)

- (E) FGD switching, when used in the terminating direction, may be used to access valid NXXs in the LATA, 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 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 950-1XXX or 950-0XXX access codes, local operator assistance (0- and 0+), Directory Assistance (411 and 555-1212), service codes 611 and 911 and 10XXX access codes. FGD may not be switched, in the terminating direction, to Switched Access Service Feature Groups B, C or D.
- (F) 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.
- (G) The access code for FGD switching is a uniform access code of the form 10XXX. A uniform access code(s) will be the assigned number of all FGD access provided to the customer by the Telephone Company. No access code 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 9.3.2 following.

Where no access code is required, the number dialed by the customer's end user shall be a seven or ten digit number for calls in the North American Numbering Plan (NANP). The form of the numbers dialed by the customer's end user is NXX-XXXX, 0 or 1 + NXX-XXXX, NPA + NXX-XXXX, and 0 or 1 + NPA + NXX-XXXX.

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6. Switched Access Service (Cont'd)

6.8 Description and Provision of Feature Group D (FGD) (Cont'd)

6.8.1 Description (Cont'd)

(G) Cont'd)

When the 10XXX access code 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 the end-of-dialing digit (#) for cut-through access to the customer designated premises.

Unless otherwise ordered, when equal access is provided through a centralized equal access arrangement the 10XXX access code may not be available in certain equal access offices.

(H) FGD switching will be arranged to accept calls from telephone exchange service locations without the need for dialing the 10XXX uniform access code. Each telephone exchange service line may be marked with a code to identify which 10XXX code its calls will be directed to for interLATA service.

(I) Reserved for Future Use

(J) 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 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 access code which requires the customer to receive additional address signaling from the end user. Such calls will be rated as FGD. The Telephone Company may, with 90 days' written notice to the customer, discontinue this arrangement.

6.8.2 Optional Features

Following are the various nonchargeable and chargeable optional features that are available in lieu of, or in addition to, the standard features provided with Feature Group D. Nonchargeable optional features are provided as Common Switching, Transport Termination and Transport options as set forth in (A) through (C) following. Chargeable optional features are set forth in (D) following.

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6. Switched Access Service (Cont'd)

6.8 Description and Provision of Feature Group D (FGD) (Cont'd)

6.8.2 Optional Features (Cont'd)

(A) Common Switching Options

Descriptions of the common switching optional features are set forth in 6.10 following.

- (1) Automatic Number Identification (ANI)
- (2) Service Class Routing
- (3) Alternate Traffic Routing
- (4) Trunk Access Limitation
- (5) Call Gapping Arrangement
- (6) International Carrier Option
- (7) Band Advance Arrangement for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Service
- (8) End Office End User Line Service Screening for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Service
- (9) Hunt Group Arrangement for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Service
- (10) Uniform Call Distribution Arrangement for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services
- (11) Nonhunting Number Associated with a Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services
- (12) Digital Switched 56 Service

ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.8 Description and Provision of Feature Group D (FGD) (Cont'd)

6.8.2 Optional Features (Cont'd)

(B) Transport Termination Options

(1) Operator Trunk - Full Feature

The Operator Trunk optional feature is set forth in 6.10.2(C) following.

(C) Local Transport Options

(1) Supervisory Signaling

The Supervisory Signaling optional feature, due to its technical nature, is set forth in Section 11 following.

(2) Signaling System 7 (SS7)

The SS7 optional feature allows the customer to send and receive signals for out of band call set up and is available with Feature Group D. This option requires the establishment of a signaling connection between the customer's designated premises, Signaling Point of Interface and a Telephone Company's Signaling Transfer Point (STP). SS7 is provided in both the originating and terminating direction on FGD and each signaling connection is provisioned for two way SS7 signaling information.

(3) Multifrequency Address Signaling

(4) Calling Party Number (CPN) Parameter

(5) Charge Number Parameter (CNP)

(6) Carrier Selection Parameter (CSP)

(D) Chargeable Optional Features

(1) Common Channel Signaling/Signaling System 7 (CCS/SS7) Network Connection Service (CCSNC)

The CCSNC Optional Feature is provided as set forth in 6.10.4 following.

## ACCESS SERVICE TARIFF

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

#### 6.8 Description and Provision of Feature Group D (FGD) (Cont'd)

##### 6.8.3 Design and Traffic Routing

For Feature Group D, the Telephone Company shall design and determine the routing of Switched Access Service, including the selection of the first point of switching and the selection of facilities from the interface to any switching point and to the end offices where busy hour minutes of capacity are ordered. The Telephone Company shall also decide if capacity is to be provided by originating only, terminating only, or two-way trunk groups. Finally, the Telephone Company will decide whether trunk side access will be provided through the use of two-wire or four-wire trunk terminating equipment.

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.

##### 6.8.4 Measuring Access Minutes

Customer traffic to end offices will be recorded at end office switches or access tandem switches. Originating and terminating calls will be recorded to determine the basis for computing chargeable access minutes. In the event the customer message detail is not available because the Telephone Company lost or damaged data files or incurred recording system outages, the Telephone Company will estimate the volume of lost customer access minutes of use based on previously known values.

(C)

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6. Switched Access Service (Cont'd)

6.8 Description and Provision of Feature Group D (FGD) (Cont'd)

6.8.4 Measuring Access Minutes (Cont'd)

Originating Usage

For originating calls over FGD the measured minutes are the chargeable access minutes.

For originating calls over FGD, usage measurement begins when the originating FGD first point of switching receives the first wink supervisory signal forwarded from the customer's point of termination.

For originating calls over FGD provided with Signaling System 7 (SS7) Signaling when the FGD end office is not routed through an access tandem for connection to the customer, usage measurement begins when the SS7 Initial Address Message is sent from the Service Switching Point (SSP) to the Service Transfer Point (STP).

For originating calls over FGD provided with Signaling System 7 (SS7) signaling when the FGD end office is routed through a tandem for connection to the customer, usage measurement begins when the FGD end office receives the SS7 Exit Message from the tandem.

The measurement of originating call usage over FGD ends when the originating FGD first point of switching 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 first point of switching.

The measurement of originating call usage over FGD provided with SS7 Signaling ends when the originating FGD end office receives an SS7 Release Message indicating either the originating or terminating end user has disconnected.

ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.8 Description and Provision of Feature Group D (FGD) (Cont'd)

6.8.4 Measuring Access Minutes (Cont'd)

Terminating Usage

For terminating calls over FGD the chargeable access minutes are either measured or imputed.

For terminating calls over FGD, where measurement capability exists, the measurement of chargeable access minutes begins when the terminating FGD first point of switching receives answer supervision from the terminating end user's end office, indicating the terminating end user has answered. This measurement ends when the terminating FGD first point of switching 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 first point of switching.

For terminating calls over FGD, where measurement capability does not exist, terminating FGD usage is imputed from originating usage, excluding usage from calls to closed end services or Directory Assistance Services.

For terminating calls over FGD with SS7 signaling, usage measurement begins when the terminating recording switch receives answer supervision from the terminating end user. The Telephone Company switch receives answer supervision and sends the indication to the customer in the form of an answer message. The measurement of terminating FGD call usage ends when the entry switch receives or sends a release message, whichever occurs first.

ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.8 Description and Provision of Feature Group D (FGD) (Cont'd)

6.8.5 Design Blocking Probability

The Telephone Company will design the facilities used in the provision of Switched Access Service FGD to meet the blocking probability criteria as set forth in (A) and (B) following.

- (A) For Feature Group D, the design blocking objective will be no greater than one percent (.01) between the point of termination at the customer's designated 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 as set forth in reference document Telecommunications Transmission Engineering - Volume 3 - Networks and Services (Chapters 6-7) will be used by the Telephone Company to determine the number of transmission paths required to achieve this level of blocking.
- (B) The Telephone Company will perform routine measurement functions to assure that an adequate number of transmission paths are in service. The Telephone Company will recommend that additional capacity (i.e., busy hour minutes of capacity or trunks) be ordered by the customer when additional paths are required to reduce the measured blocking to the designed blocking level. For the 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 threshold listed in the following tables.
  - (1) For transmission paths carrying only first routed traffic direct between an end office and customer's designated premises without an alternate route, and for paths carrying only overflow traffic, the measured blocking thresholds are as follows:



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6. Switched Access Service (Cont'd)

6.8 Description and Provision of Feature Group D (FGD) (Cont'd)

6.8.5 Design Blocking Probability (Cont'd)

Number of Transmission Paths Per Trunk Group	Measured Blocking Thresholds in the Time Consistent Busy Hour for the Number of Measurements Taken Between 8:00 a.m. and 11:00 p.m. Per Trunk Group			
	15-20	11-14	7-10	3-6
	Measurements	Measurements	Measurements	Measurements
2	7%	8%	9%	14%
3	5%	6%	7%	9%
4	5%	6%	7%	8%
5-6	4%	5%	6%	7%
7 or more	3%	3.5%	4%	6%

- (2) For transmission paths carrying first routed traffic between an end office and customer's premises via an access tandem, the measured blocking thresholds are as follows:

Number of Transmission Paths Per Trunk Group	Measured Blocking Thresholds in the Time Consistent Busy Hour for the Number of Measurements Taken Between 8:00 a.m. and 11:00 p.m. Per Trunk Group			
	15-20	11-14	7-10	3-6
	Measurements	Measurements	Measurements	Measurements
2	4.5%	5.5%	6.0%	9.5%
3	3.5%	4.0%	4.5%	6.0%
4	3.5%	4.0%	4.5%	5.5%
5-6	2.5%	3.5%	4.0%	4.5%
7 or more	2.0%	2.5%	3.0%	4.0%

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6. Switched Access Service (Cont'd)

6.8 Description and Provision of Feature Group D (FGD) (Cont'd)

6.8.6 Network Blocking Charge

The customer will be notified by the Telephone Company to increase its capacity (busy hour minutes of capacity or quantities of trunks) when excessive trunk group blocking occurs on groups carrying Feature Group D traffic and the measured access minutes for that hour exceed the capacity purchased. Excessive trunk group blocking occurs when the blocking thresholds stated below are exceeded. They are predicated on time consistent, hourly measurements over a 30 day period excluding Saturdays, Sundays and national holidays. If the order for additional capacity 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 following, for each overflow in excess of the blocking threshold when (1) the average "30 day period" overflow exceeds the threshold level for any particular hour and (2) the "30 day period" measured average originating or two-way usage for the same clock hour exceeds the capacity purchased.

<u>Trunks in Service</u>	<u>Blocking Thresholds</u>	
	<u>1%</u>	<u>1/2%</u>
1-2	7.0%	4.5%
3-4	5.0%	3.5%
5-6	4.0%	2.5%
7 or greater	3.0%	2.0%

The 1% blocking threshold is for transmission paths carrying traffic direct (without an alternate route) between an end office and a customer's premises. The 1/2% blocking threshold is for transmission paths carrying first routed traffic between an end office and a customer's premises via an access tandem.

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6. Switched Access Service (Cont'd)

6.8 Description and Provision of Feature Group D (FGD) (Cont'd)

6.8.7 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 tests described in 6.2.4 preceding, which are included with the installation of service (Acceptance Testing) and as ongoing routine testing, Additional Cooperative Acceptance Testing, Additional Automatic Testing and Additional Manual Testing, are available as set forth in Section 11 following.

When SS7 Signaling is ordered, network compatibility and other testing will be performed cooperatively by the Telephone Company and the customer as specified in Technical References TR-TSV 000905.

6.9 Reserved For Future Use.

6.10 Common Switching and Transport Termination Optional Features

6.10.1 Common Switching Nonchargeable Optional Features

Following are descriptions of the various optional features that are available in lieu of, or in the addition to, the standard features provided with the Feature Groups. They are provided as Common Switching or Transport Termination options.

<u>Option</u>	<u>Available Feature Groups</u>			
	A	B	C	D
A) Call Denial on Line or Hunt Group	X			
B) Service Code Denial on Line or Hunt Group				
C) Hunt Group Arrangement	X			
D) Uniform Call Distribution Arrangement	X			
E) Nonhunting Number for Use with Hunt Group or Uniform Call Distribution Arrangement	X			
F) Automatic Number Identification (ANI)		X	X	X
G) Up to 7 Digit Outpulsing of Access Digit to Customer		X		
H) Delay Dial Start-Pulsing Signaling			X	
I) Immediate Dial Pulse Address Signaling			X	
J) Dial Pulse Address Signaling			X	

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6. Switched Access Service (Cont'd)

6.10 Common Switching, and Transport Termination Optional Features (Cont'd)

6.10.1 Common Switching Nonchargeable Optional Features (Cont'd)

<u>Option</u>	<u>Available Feature Groups</u>			
	A	B	C	D
K) Service Class Routing			X	X
L) Alternate Traffic Routing			X	X
M) Trunk Access Limitation			X	X
N) Call Gapping Arrangement				X
O) International Carrier Option				X
P)* Band Advance Arrangement for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services	X	X	X	X
Q)* End Office End User Line Service Screening for Use with Special Access Service Utilized in The Provision of WATS or WATS-Type Services			X	X
R)* Hunt Group Arrangement for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services	X	X	X	X
S)* Uniform Call Distribution Arrangement for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services	X	X	X	X
T)* Nonhunting Number Associated with Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services	X	X	X	X
U) Reserved For Future Use				
V) Multifrequency Address Signaling			X	X
W) Signaling System 7 (SS7) Signaling			X	X
X) Calling Party Number (CPN)				
Y) Charge Number Parameter (CNP)			X	X
Z) Carrier Selection Parameter (CSP)				X

\* Options for WATS Access Lines as part of Switched Access Service are as listed in 6.11 following.

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6. Switched Access Service (Cont'd)

6.10 Common Switching, and Transport Termination Optional Features (Cont'd)

6.10.1 Common Switching Nonchargeable Optional Features (Cont'd)

(A) Call Denial on Line or Hunt Group

This option allows for the screening of terminating InterLATA Feature Group A calls by limiting terminating calls for completion to only 411 or 555-1212 whichever is available, 611, 911, 800 and a Telephone Company specified set of NXXs within the Telephone Company local exchange calling area of the dial tone office in which the arrangement is provided. This feature is available with Feature Group A.

(B) Service Code Denial on Line or Hunt Group

(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. All Feature Group A access services in the same hunt group must provide off-hook supervisory signaling from the same point in time in the call sequence i.e., all off-hook supervisory signals must either be provided by the customer's equipment before the called party answers or all must be forwarded by the customer's equipment when the called party answers.

(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. Where available, this feature is provided in Telephone Company electronic end offices only. It is available with Feature Group A.

(E) Nonhunting Number for Use with Hunt Group or Uniform Call Distribution Arrangement

This option provides access to an individual line within a multiline hunt or uniform call distribution group. When the nonhunting number is dialed, access is provided when it is idle, or busy tone is provided when it is busy. Where available, this feature is provided in Telephone Company electronic end offices only. It is available with Feature Group A.

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6. Switched Access Service (Cont'd)

6.10 Common Switching, and Transport Termination Optional Features (Cont'd)

6.10.1 Common Switching Nonchargeable Optional Features (Cont'd)

(F) Automatic Number Identification (ANI)

- (1) This option provides the automatic transmission of a seven digit or ten digit number and information digits to the customer designated promises for calls originating in the LATA, to identify the calling station. The ANI feature is an end office software function which is associated on a call-by-call basis with:
  - (a) all individual transmission paths in a trunk group routed directly between an end office and a customer designated promises or, where technically feasible, with
  - (b) all individual transmission paths in a trunk group between an end office and an access tandem, and a trunk group between an access tandem and a customer designated premises.
- (2) The seven digit ANI telephone number is generally available with Feature Groups B and C. With these Feature Groups, 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 multiparty lines, coin stations and coinless pay telephones using Feature Group B, or when an ANI failure has occurred. Seven digit ANI is not available with SS7 Signaling.
- (3) The ten digit ANI telephone number is only available with Feature Group D. The ten digit ANI telephone number consists of the Number 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 multiparty 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 or SS7 Signaling.
- (4) With Feature Group C, at the option of the customer, ANI may be ordered from end offices where Telephone Company recording for end user billing is not provided. Additionally, ANI is provided from end offices where message detail recording is not required by the Telephone Company, as with 800 service. ANI is not provided from end offices where the Telephone Company forwards ANI to its recording equipment.

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ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.10 Common Switching, and Transport Termination Optional Features (Cont'd)

6.10.1 Common Switching Nonchargeable Optional Features (Cont'd)

(F) Automatic Number Identification (ANI) (Cont'd)

- (5) Where complete ANI detail cannot be provided, e.g., on calls from 4 and 8 party services, information digits will be provided to the customer.

The information digits identify:

- (a) telephone number is the station billing number - no special treatment required,
- (b) multiparty line - telephone number is a 4- or 8- party line and cannot be identified - number must be obtained via an operator or in some other manner,
- (c) 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,
- (d) hotel/motel originated call which requires room number identification,
- (e) coinless station, hospital, inmate, etc. call which requires special screening or handling by the customer, and
- (f) call is an Automatic Identified Outward Dialed (AIOD) call from customer premises equipment. The AIOD 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 generally available with Feature Groups B, C, and D.

- (6) Additional ANI information digits are available with Feature Group D also. They include:
- (a) InterLATA restricted - telephone number is identified line
  - (b) InterLATA restricted - hotel/motel line
  - (c) InterLATA restricted - coinless, hospital, inmate, etc., line

These information digits will be transmitted as agreed to by the customer and the Telephone Company.

ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.10 Common Switching, and Transport Termination Optional Features (Cont'd)

6.10.1 Common Switching Nonchargeable Optional Features (Cont'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 (950-1/0XXX) to the customer designated premises. The customer can request that only some of the digits in the access code be forwarded. The access code digits would be provided to the customer designated premises using multifrequency signaling, and transmission of the digits would precede the forwarding of ANI if that feature were provided. This feature is available with Feature Group B.

(H) Delay Dial Start-Pulsing Signaling

Where available, this option provides a method of indicating to the near end trunk circuit readiness to accept address signaling information by the far end trunk circuit. Delay dial is often referred to as an off-hook, on-hook signaling sequence. The delay dial signal is the off-hook interval and the start-pulsing signal is the on-hook interval. With integrity check, the calling office will not outpulse until a delay dial (off-hook) signal followed by a start-pulsing (on-hook) signal has been identified at the calling office. This option is available with Feature Group C.

(I) Immediate Dial Pulse Address Signaling

Where available, this option provides for the forwarding of dial pulses from the Telephone Company end office to the customer without the need of a start-pulsing signal from the customer. It is available with Feature Group C.

(J) Dial Pulse Address Signaling

Where available, this trunk side option provides for the transmission of number information, e.g., called number, between the end office switching system and the customer designated premises (in either direction) by means of direct current pulses. It is available with Feature Group C.

(K) 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., coin, multiparty or hotel/motel), service prefix indicator (e.g., 0-, 0+, 01+ or 011+) or service access code (e.g., 800 or 900). It is provided in suitably equipped end office or access tandem switches. It is available with Feature Groups C and D.



ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.10 Common Switching, and Transport Termination Optional Features (Cont'd)

6.10.1 Common Switching Nonchargeable Optional Features (Cont'd)

(L) Alternate Traffic 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 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. It is available with Feature Groups C and D.

(M) 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 electronic end offices and where available in electromechanical end offices. It is available with Feature Groups C and D.

(N) 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 which 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.

(O) Reserved For Future Use

ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.10 Common Switching, and Transport Termination Optional Features (Cont'd)

6.10.1 Common Switching Nonchargeable Optional Features (Cont'd)

(P) Band Advance Arrangement for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services

This option, which is provided in association with two or more Special Access Service groups, provides for the automatic overflow of terminating calls to a second Special Access Service group, when the first group has exceeded its call capacity. This option is available with Feature Groups A, B, C and D.

(Q) End Office End User Line Service Screening for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services

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 electronic end offices and, where available, in electromechanical end offices which are designated as WATS Serving Offices. It is available with Feature Groups C and D.

(R) Hunt Group Arrangement for Use With Special Access Service Utilized in the Provision of WATS or WATS-Type Services

This option provides the ability to sequentially access one of two or more Special Access Services utilized in the provision of WATS services (e.g., 800 Service Special access services) 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, C and D.

(S) Uniform Call Distribution Arrangement for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services

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 in the provision of WATS or WATS-type Services 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, C and D.

ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.10 Common Switching, and Transport Termination Optional Features (Cont'd)

6.10.1 Common Switching Nonchargeable Optional Features (Cont'd)

(T) Nonhunting Number Associated with Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services

This option provides an arrangement, for an individual Special Access Service utilized in the provision of WATS or WATS-type Services within 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, without hunting to the next idle number. Where available, this feature is only provided in Telephone Company designated WATS Serving Offices. It is available with Feature Groups A, B, C and D.

(U) Digital Switched 56 Service

This option provides for a connection between a customer's premise and a suitably equipped end user's premise which uses end office switching and facilities capable of transmitting digital data up to 56 Kilobits per second. Digital Switched 56 Service is only available in appropriately provisioned Feature Group D office as set forth in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4.

(V) Multifrequency Address Signaling

Multifrequency Address Signaling is available as an optional feature with FGC and FGD. This feature 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). This feature is not available in combination with SS7 signaling.

(W) Signaling System 7 (SS7) Signaling

This feature provides common channel out of band transmission of address and supervisory SS7 protocol signaling information between the end office switch or the tandem office switching system and the customer's designated premises. This feature is available with FGC and FGD and will be provided in accordance with the SS7 Interconnect specifications described in Technical Reference TR-TSV-000905.

ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.10 Common Switching, and Transport Termination Optional Features (Cont'd)

6.10.1 Common Switching Nonchargeable Optional Features (Cont'd)

(X) Calling Party Number (CPN)

This feature provides for the automatic transmission of the ten digit directory number, associated with a calling station, to the customer's premises for calls originating in the LATA. The ten digit telephone number consists of the NPA plus the seven digit telephone number, which may or may not be the same number as the calling station's charge number. The ten digit telephone number will be coded as presented, or restricted via a "privacy indicator" for delivery to the called end user. This feature is provided with originating FGC and FGD with SS7 signaling. CPN is available where technically feasible.

(Y) Carrier Selection Parameter (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 line. If the line was presubscribed, the indicator will signify if the end user did or did not dial 10XXX. This feature is provided with originating FGD with SS7 signaling.

(Z) Charge Number Parameter (CN)

The CN Parameter is equivalent to the existing ten digit Automatic Number Identification (ANI) available with FGC where technically feasible and FGD with MF signaling. The CN Parameter provides for the automatic transmission of the ten digit billing number of the calling station and the originating line information. This feature is provided with originating FGC and FGD with SS7 signaling.

6.10.2 Transport Termination Nonchargeable Optional Features

(A) Rotary Dial Station Signaling

This option provides for the transmission of called party address signaling from rotary dial stations to the customer designated 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.

ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.10 Common Switching, and Transport Termination Optional Features (Cont'd)

6.10.2 Transport Termination Nonchargeable Optional Features (Cont'd)

(B) Operator Trunk - Coin, Non-Coin, or Combined Coin and Non-Coin

This option may be ordered to provide coin, non-coin, or combined coin and non-coin operation. It is available only with Feature Group C and is provided in electronic end offices and other Telephone Company end offices where equipment is available. It is provided as a trunk type of Transport Termination.

Coin, Non-Coin:

This arrangement provides for initial coin return control, except in the case of non-coin, and routing of 0+, 0-, 1+, 01+ or 011+ originating coin and non-coin calls requiring operator assistance to the customer designated promises. Because operator assisted coin calling traffic is routed over a trunk group dedicated to operator assisted calls, this arrangement is only provided in association with the Service Class Routing option.

This arrangement is normally ordered by the customer in conjunction with the ANI optional feature, since the preponderance of trunk groups equipped with this arrangement will be terminated in the customer's automated operator services systems, rather than in the customer's manual cord boards.

Combined Coin, Non-Coin:

When so equipped, the ANI optional feature provides for the forwarding of information digits which identify that the call has originated from a hotel or motel, and whether room number identification is required, or that special screening is required, e.g., for coinless public stations, dormitory or inmate stations, or other screening arrangements agreed to between the customer and the Telephone Company.

(C) Operator Trunk - Full Feature

This option provides the initial coin return control function to the customer's operator. It is available with Feature Group D and is provided as a trunk type for Transport Termination. This feature is not available with SS7 Signaling.

ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.10 Common Switching, and Transport Termination Optional Features (Cont'd)

6.10.3 Reserved for Future Use

6.10.4 Common Channel Signaling/Signaling System 7 Network Connection Service (CCSNC)

Common Channel Signaling/Signaling System 7 (CCS/SS7) Network Connection Service (CCSNC), which is available with Feature Group C and D, where technically feasible as designated in National Exchange Carrier Association, Inc. Tariff FCC No. 4, Wire Center Information, provides a signaling path between a customer's designated Signaling Point of Interface (SPOI) and a Signaling Transfer Point (STP). This service provides customers with the use of a two-way signaling path for accessing information necessary for the completion of their end user's calls. CCS/SS7 Network Connection Service is comprised of two rate elements; a Signaling Network Access Link (SNAL) and a Signaling Transfer Point (STP) Port. The SNAL is provided as a dedicated 56 Kbps out-of-band signaling connection between the customer's SPOI and the STP port on the STP. The CCS/SS7 Network Connection Service is provisioned by a mated pair of STPs as described in Technical Reference TR-TSV 000905 in order to ensure network availability and reliability. The Telephone Company shall not be held liable for service outages if the customer employs technology related to the interconnection of signaling networks that does not adhere to generally accepted industry technical standards. When CCS/SS7 Network Connection service is provisioned for use with SS7 Signaling, interconnection between signaling networks must occur at an STP Rates and charges for the CCS/SS7 Network Connection STP Ports and Signaling Network Access Links are contained following.

ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.10 Common Switching, and Transport Termination Optional Features (Cont'd)

6.10.5 800 Data Base Access Service

800 Data Base Access Service is provided with FGC or FGD switched access service. When a 1+800+NXX-XXXX call is originated by an end user, the Telephone Company will utilize the Signaling System 7 (SS7) network to query an 800 data base to perform the identification function. The call will then be routed to the identified customer over FGC or FGD switched access.

The manner in which 800 data base access service is provided is dependent on the availability of SS7 service at the end office from which the service is provided as outlined following:

- When 800 data base access service originates at an end office equipped with Service Switching Point (SSP) capability for querying centralized data bases, all such service will be provisioned from that end office.
- When 800 data base access service originates at an end office not equipped with SSP customer identification capability, the 800 call will be delivered to the access tandem on which the end office is homed and which is equipped with the SSP feature to query centralized data bases.

Query charges as set forth following are in addition to those charges applicable for the Feature Group C or Feature Group D switched access service.

ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.11 Treatment of WATS Access Lines as an Option of Switched Access Service

(D)

A. General

1. Switched Access Service provides for use of common terminating, switching and trunking facilities and unshared subscriber plant (i.e., WATS access lines).
2. Design Layout Reports as set forth in 6.1.4 will also be provided for WATS Access Lines when specifically requested by the customer.
3. Rate Categories

The following rate categories apply at the end office when WATS is treated as switched access service.

- (a) Carrier Common Line (described in Section 3 preceding and Section 6.11.G following)
- (b) Transport
  - (1) Local transport for the WATS Access Lines optional feature will be measured between the end office and the POC.
- (c) End Office (described in 6.1.3(B) preceding)

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ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.11 Treatment of WATS Access Lines as an Option of Switched Access Service (Cont'd)

(D)

B. Provision and Description

Switched Access Service is provided in four different Feature Group arrangements. The provision of each Feature Group requires Transport facilities and the appropriate End Office functions. In addition, WATS Access Lines may, at the option of the customer, be provided for use with Feature Groups C and D.

1. Feature Group C (FGC)

- a. A WATS Access Line may, at the option of the customer, be provided for use with FGC Switched Access Service. A WATS Access Line provides a connection between a customer's designated end user's premises and a Telephone Company end office switch capable of performing the necessary screening functions for 800 Service, WATS or similar services and is provided only for use at the closed end of such services. WATS Access lines are arranged for either originating calling only or terminating calling only. They are provided with rotary dial or dual tone multifrequency address signaling and either loop start or ground start supervisory signaling. The choice of the type of signaling is at the option of the customer.

WATS Access Lines are provided as either an effective two-wire or effective four-wire transmission path. Each transmission path is provided with Standard Transmission Specifications and Data Transmission Parameters as set forth in 11.4.2 following. At the option of the customer, the WATS Access Line may be ordered with the Improved Two-Wire Voice Transmission Specifications (guaranteed specifications are set forth in 11.6.1 following).

The WATS Access Line Optional feature for FGC may be ordered separately by a customer other than the customer which orders the FGC Switched Access Service (i.e., a provider of MTS and WATS). WATS Access Lines are ordered as set forth in 5.2 preceding.

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6. Switched Access Service (Cont'd)

6.11 Treatment of WATS Access Lines as an Option of Switched Access Service (Cont'd)

(D)

B. Provision and Description (Cont'd)

1. Feature Group C (FGC) (Cont'd)

b. WATS Access Lines Optional Features -Common Switching -FGC

- (1) End Office End User Line Service Screening for use with WATS Access Lines
- (2) Hunt Group Arrangement for Use with WATS Access Lines
- (3) Uniform Call Distribution Arrangement for Use with WATS Access Lines
- (4) Nonhunting Number for Use with Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use with WATS Access Lines

Band Advance Arrangement for Use with WATS Access lines

2. Feature Group D (FGD)

- a. A WATS Access Line may, at the option of the customer, be provided for use with FGD Switched Access Service. A WATS Access Line provides a connection between a customer's designated end user's premises and a Telephone Company end office switch capable of performing the necessary screening functions for 800 Service, WATS or similar services and is provided only for use at the closed end of such services.

WATS Access Lines are arranged for either originating calling only or terminating calling only. They are provided with rotary dial or dual tone multifrequency address signaling and either loop start or ground start supervisory signaling. The choice of the type of signaling is at the option of the customer.

WATS Access Lines are provided as either an effective two-wire or effective four-wire transmission path. Each transmission path is provided with Standard Transmission Specifications and Data Transmission Parameters as set forth in 11.4.2 following. At the option of the customer, the WATS Access Line may be ordered with the Improved Two-Wire Voice Transmission Specifications (guaranteed specifications are set forth in 11.6.1 following).

The WATS Access Line Optional feature for FGD may be ordered separately by a customer other than the customer which orders the FGC Switched Access Service. WATS Access Lines are ordered as set forth in 5.2 preceding.

(D)  
(D)



ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.11 Treatment of WATS Access Lines as an Option of Switched Access Service (Cont'd) (D)

B. Provision and Description (Cont'd)

2. Feature Group D (FGD) (Cont'd)

b. WATS Access Lines Optional Features - Common Switching - FGD

- (1) End Office End User Line Service Screening for Use with WATS Access Lines
- (2) Hunt Group Arrangement for Use with WATS Access Lines
- (3) Uniform Call Distribution Arrangement for Use with WATS Access Lines
- (4) Nonhunting Number for Use with Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use with WATS Access Lines
- (5) Band Advance Arrangement for Use with WATS Access Lines

C. Common Switching Nonchargeable Optional Features

1. Band Advance Arrangement for Use with WATS Access Lines

This option, which is provided in association with two or more WATS Access Line groups, provides for the automatic overflow of terminating calls to a WATS Access Line group, when that group has exceeded its call capacity, to another WATS Access Line Group with a band designation equal to or greater than that of the overflowing WATS Access Line 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 C and D.

2. End Office End User Line Service Screening for Use with WATS Access Lines

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 electronic end offices and, where available, in electromechanical end offices in which WATS Access Lines are provided. It is available with Feature Groups C and D.

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ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.11 Treatment of WATS Access Lines as an Option of Switched Access Service (Cont'd)

(D)

C. Common Switching Nonchargeable Optional Features (Cont'd)

3. Hunt Group Arrangement for Use with WATS Access Lines

This option provides the ability to sequentially access one of two or more WATS Access Lines (e.g., 800 Service access lines) in the terminating direction, when the hunting number of the WATS Access Line Service group is forwarded from the customer to the Telephone Company. This feature is provided in all Telephone Company end offices in which WATS Access Lines are provided. It is available with Feature Groups C and D.

4. Uniform Call Distribution Arrangement for Use with WATS Access Lines

This option provides a type of multiline hunting arrangement which provides for an even distribution of terminating calls among the available WATS Access Lines in the hunt group. Where available, this feature is only provided in Telephone Company electronic end offices in which WATS Access Lines are provided. It is available with Feature Groups C and D.

5. Nonhunting Number for Use with Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use with WATS Access Lines

This option provides an arrangement for individual WATS Access Lines within a multiline hunt or uniform call distribution group that provides access to that WATS Access Lines 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 electronic end offices in which WATS Access Lines are provided. It is available with Feature Groups C and D.

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6. Switched Access Service (Cont'd)

6.11 Treatment of WATS Access Lines as an Option of Switched Access Service (Cont'd) (D)

D. Transmission Specifications

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. In addition, the WATS Access Line is provided with standard transmission specifications for two-wire and four-wire. The available transmission specifications are set forth in Section 11 following. Data transmission Parameters are also provided with each Switched Access Service transmission path and WATS Access Line. The Telephone Company will, upon notification by the customer that the data parameters set forth in 11.2.2(A) or 11.2.2(B) are 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. In addition, the WATS Access Line may be optionally provided with Improved Two-Wire Voice Transmission Specifications as set forth in 11.5 following.

E. Application of Rates for WATS Access Lines Extension Service (D)

Feature Group C and D WATS Access Lines are available with extensions, i.e., additional terminations of the service at different building(s) in the same or a different LATA. WATS Access Line extensions in the same or different LATAs are provided and charged for as Special Access Service. The rate elements which apply are: A Voice Grade Channel Termination, Channel Mileage, if applicable, and Signaling Capability (optional features and functions), if applicable. All appropriate monthly rates and nonrecurring charges set forth in 7.5 following will apply.

F. The application of these provisions for treatment of WATS Access Lines as an option of Switched Access Service is at the discretion of the telephone company. The use of these rules precludes the telephone company from applying the rules and regulations as set forth in Section 7, Special Access to WATS Access Lines.

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6. Switched Access Service (Cont'd)

6.11 Treatment of WATS Access Lines as an Option of Switched Access Service (Cont'd)

(D)

G. Resale of WATS and WATS-Type Services

1. Carrier Common Line

- (a) Reserved for Future Use
- (b) When access to the local exchange is required to provide a WATS-type service using a resold Private Line Service, Switched Access Service Rates and Regulations, as set forth in 6. preceding will apply. Carrier Common Line Access rates and charges as set forth following, apply in accordance with the regulations following.
- (c) Where a multiline hunt group or trunk group arrangement is made up of (1) Feature Group A Switched Access Service arrangements and, as provided in (a) preceding, local exchange business lines used in association with outward or inward WATS and/or WATS-type services and/or (2) Feature Group A Switched Access Service arrangements and other access arrangements associated with inward WATS and/or WATS-type services and/or (3) Feature Group B or Feature Group D Switched Access Service arrangements and, as provided in (a) preceding, other access arrangements used in association with outward WATS and/or WATS-type services, Carrier Common Line Access Charges for such combined access arrangements recalculated in accordance with the regulations in (f) following.

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6. Switched Access Service (Cont'd)

6.11 Treatment of WATS Access Lines as an Option of Switched Access Service (Cont'd)

(D)

G. Resale of WATS and WATS-Type Services (Cont'd)

1. Carrier Common Line (Cont'd)

- (d) When the customer orders combined access as set forth in (c) preceding, the customer will be charged the Carrier Common Line Access charges in accordance with the regulations as set forth in (f) following if the customer or the provider of the WATS service furnishes documentation of the WATS usage and/or the customer furnishes documentation of the WATS-type service. Such documentation supplied by the customer shall be supplied each month as set forth in (2) (a) following.
- (e) When the customer orders Switched Access Service as set forth in (d) preceding, the Telephone Company or the billing entity may request when resold WATS is involved, a certified copy of the customer's WATS usage billing from either the customer or the provider of the WATS Service and/or when resold WATS-type service is involved, a certified copy of customer's WATS-type usage billing from either the customer or the provider of the WATS-type service. The requests for this billing will relate back no more than 12 months prior to the current billing period.
- (f) When the customer orders a combined access group to be used in conjunction with the resale of WATS and/or WATS-type services as set forth in (c) preceding, and the billing entity receives the usage information required to calculate the proration of Carrier Common Line as set forth in (d) preceding, the customer will be billed as set forth in (1), (2) or (3) following.

When more than one combined access group is provided in a LATA in association with the resale of outward WATS and/or WATS-type services, the billing entity will apportion the resold outward WATS and/or WATS-type services and originating minutes of use among the combined access groups. Such apportionment will be based on the relationship of the originating usage for each combined access group to the total originating usage for all combined access groups in the LATA. The involved resold minutes shall be only intrastate outward, WATS and WATS-type minutes and shall not include collect, third number, credit card or intrastate minutes of use.

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ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.11 Treatment of WATS Access Lines as an Option of Switched Access Service (Cont'd)

(D)

G. Resale of WATS and WATS-Type Services (Cont'd)

1. Carrier Common Line (Cont'd)

(f) (Cont'd)

In order for the rate regulations to apply as set forth in (1), (2) or (3) following, the combined access group and the resold outward WATS and/or WATS-type services must be provided in the same LATA, provided by the same Telephone Company and connected directly or indirectly.

When more than one access group is provided in a LATA in association with the resale of inward WATS and/or billing entity will apportion the resold inward WATS and/or WATS-type services and terminating minutes of 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. The involved resold minutes shall be only intrastate inward WATS and WATS-type minutes.

In order for the rate regulations to apply as set forth in (1), (2) or (3) following, the access groups and the resold inward WATS and/or WATS-type services must be provided in same exchange, provided by the same Telephone Company and connected directly or indirectly.

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

Indirect outward connections are those arrangements where the combined access groups and resold outward WATS and/or WATS-type services are terminated at different customer designated premises in the same LATA. Such different customer designated premises are connected by facilities that permit a call to flow from combined access groups to resold outward WATS and/or WATS-type services.

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6. Switched Access Service (Cont'd)

6.11 Treatment of WATS Access Lines as an Option of Switched Access Service (Cont'd)

(D)

G. Resale of WATS and WATS-Type Services (Cont'd)

1. Carrier Common Line (Cont'd)

(f) (Cont'd)

Indirect inward connections are those arrangements where the combined access groups and resold inward WATS and/or WATS-type services are terminated at different customer designated premises in the same LATA. Such different customer designated premises are connected by facilities that permit a call to flow from resold inward WATS and/or WATS-type services to combined access groups.

The adjustments as set forth following will be computed separately for each combined access group.

(1) Combined Access Groups-Non Equal Access Offices Only - Transitional Usage Rated Combined Access Groups - InterLATA

When all the InterLATA usage on a combined access group originates from and/or terminates at end offices that have not been converted to equal access, the following regulations apply:

- (i) The Non Premium Access Charge per minute as set forth following will apply. The minutes billed Carrier Common Line Access Service charges will be the terminating intrastate InterLATA minutes plus the adjusted originating intrastate interLATA access minutes for such combined access groups. The adjusted terminating access minutes will be the terminating intrastate access minutes less the reported resold inward WATS and/or WATS-type service minutes of use; but not less than zero. The adjusted originating access minutes will be the originating intrastate interLATA access minutes less the reported resold outward WATS and/or WATS-type service minutes of use; but not less than zero.

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6. Switched Access Service (Cont'd)

6.11 Treatment of WATS Access Lines as an Option of Switched Access Service (Cont'd) (D)

G. Resale of WATS and WATS-Type Services (Cont'd)

1. Carrier Common Line (Cont'd)

(f) (Cont'd)

(1) Combined Access Groups-Non Equal Access Offices  
Only - Transitional Usage Rated Combined Access Groups -  
InterLATA (Cont'd)

- (ii) One line side Switched Access Service for each resold outward WATS and/or WATS-type service reported as set forth in (d) preceding will be billed local business exchange service rates.
- (iii) For line side Switched Access Service, the adjusted originating access minutes determined as set forth in (i) preceding and all the terminating access minutes will be billed Switched Access Service.
- (iv) Any trunk side Switched Access Service provided will be billed Switched Access Service.

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6. Switched Access Service (Cont'd)

6.11 Treatment of WATS Access Lines as an Option of Switched Access Service (Cont'd)

(D)

G. Resale of WATS and WATS-Type Services (Cont'd)

1. Carrier Common Line (Cont'd)

(f) (Cont'd)

(2) Combined Access Groups - Equal Access Offices Only Premium Usage Rated Combined Access Groups

When all the usage on a combined access group originates from and/or terminates at offices that have been converted to equal access, the following regulations apply:

(a) The Premium Access Charge per minute as set forth following will apply. The minutes billed Carrier Common Line Access Service charges will be the terminating intrastate access minutes and the adjusted originating intrastate access minutes for such combined access groups. The adjusted terminating access minutes will be the terminating intrastate access minutes less the reported resold inward intrastate access minutes WATS and/or WATS-type service minutes of use; but not less than zero.

The adjusted originating access minutes will be the originating intrastate access minute less the reported resold outward intrastate access minutes less the reported resold outward intrastate access minutes less the reported resold outward WATS and/or WATS-type service minutes of use; but not less than zero.

(b) One line side Switched Access Service for each resold outward WATS and/or WATS-type service reported as set forth in (d) preceding will be billed local business exchange service rates.

(c) For line side Switched Access Service, the adjusted originating access minutes determined as set forth in (a) preceding and all the terminating access minutes will be billed Switched Access Service.

(d) Any trunk side Switched Access Service provided will be billed Switched Access Service.

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ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.11 Treatment of WATS Access Lines as an Option of Switched Access Service (Cont'd)

(D)

G. Resale of WATS and WATS-Type Services (Cont'd)

1. Carrier Common Line (Cont'd)

(f) (Cont'd)

(3) Combined Access Groups - Non-Equal Access and Equal Access Offices

(a) Transitional Usage Rated Combined Access Groups

When a combined access group has usage that originates from and/or terminates at both end offices that have been converted to equal access and end offices that have not been converted, the following regulations apply.

(i) The Non-Premium Access Charge as set forth in (1) preceding applies to non premium access minutes.

The adjusted originating access minutes and the adjusted terminating access minutes will be apportioned between premium and non premium access minutes using end-office specific usage data when available, or when usage data are not available, the premium and non premium ratios developed as set forth in 6.7.1(C)(4) preceding. The Premium and Non Premium per minute charges set forth following will apply as appropriate to the premium and non premium access minutes determined in this manner.

(ii) One line side Switched Access Service for each resold outward WATS and/or WATS-type service reported as set forth in (d) preceding will be billed local business exchange service rates.

(iii) For line side Switched Access Service, the adjusted originating access minutes determined as set forth in (i) preceding and all the terminating access minutes will be billed Switched Access Service.

(iv) Any trunk side Switched Access Service provided will be billed Switched Access Service.

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ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.11 Treatment of WATS Access Lines as an Option of Switched Access Service (Cont'd)

(D)

G. Resale of WATS and WATS-Type Services (Cont'd)

1. Carrier Common Line (Cont'd)

(f) (Cont'd)

(4) The adjustment as set forth in (1), (2) and (3) preceding will be made to the involved customer account no later than either the next bill date, or the one subsequent to that, depending on when the usage report is obtained.

(5) When the WATS-type and/or WATS usage is shown in hours, the number of hours shall be multiplied by 60 to develop the associated WATS-type and WATS minutes of use. If the WATS-type and/or WATS 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) The adjustment as set forth in (1), (2) and (3) preceding will be made to the involved customer account after making the adjustments to the customer account as set forth in 3.7 preceding (PIU).

2. Switched Access

When the customer orders combined access to be used in conjunction with the resale of WATS and/or WATS-type services as set forth in 1(c) preceding, and the Telephone Company receives the usage information required to calculate the proration of Carrier Common Line as set forth in 1(d) preceding, the following regulations apply.

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ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.11 Treatment of WATS Access Lines as an Option of Switched Access Service (Cont'd)

(D)

G. Resale of WATS and WATS-Type Services (Cont'd)

2. Switched Access (Cont'd)

(a) Documentation requirements for resold services are set forth following. Such documentation shall be supplied each month and shall identify the involved resold WATS and/or WATS-type services. The monthly period used to determine the minutes of use per resold WATS and/or WATS-type services shall be the most recent monthly period for which the customer has received a bill for such resold WATS and/or WATS-type services. 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 WATS and/or WATS-type service bill. If the required information is not received by the Telephone Company, the previously reported information as described in 1(d) 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. The rate treatment set forth in (b) following will not apply in these cases.

(b) When combined access groups are provided, they will be billed as set forth in (1), (2) or (3) following. When more than one combined access group is provided in a LATA, the Telephone Company will determine the minutes of use for each of the combined access groups as set forth in 1 (f) preceding.

(1) Combined Access Groups - Non Equal Access Office Only

(a) Transitional Usage Rated Combined Access Groups

When all the interLATA usage on a combined access group originates from and/or terminates at end offices that have not been converted to equal access, the following regulations apply:

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6. Switched Access Service (Cont'd)

6.11 Treatment of WATS Access Lines as an Option of Switched Access Service (Cont'd)

(D)

G. Resale of WATS and WATS-Type Services (Cont'd)

2. Switched Access (Cont'd)

(b) (Cont'd)

(1) Combined Access Groups – Non Equal Access Office Only  
(Cont'd)

(a) Transitional Usage Rated Combined Access Groups  
(Cont'd)

- (i) Each line side Switched Access Service provided as set forth in (1)(f)(ii) preceding will be billed at local business exchange service rates.
- (ii) Transitional Switched Access Service rates as set forth following will be billed for all the terminating intrastate access minutes and the adjusted originating access minutes for line side combined access groups. The adjusted originating access minutes will be the originating intrastate access minutes less the reported resold outward WATS and/or WATS-type service minutes of use; but not less than zero.
- (iii) For trunk side Switched Access Service provided in combined access group, the minutes billed will be all the terminating and originating intrastate access minutes for such combined groups. Transitional Switched Access Service rates as set forth following will be billed for all such access minutes.

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6. Switched Access Service (Cont'd)

6.11 Treatment of WATS Access Lines as an Option of Switched Access Service (Cont'd)

(D)

G. Resale of WATS and WATS-Type Services (Cont'd)

2. Switched Access (Cont'd)

(b) (Cont'd)

(2) Combined Access Groups - Equal Access Office Only Premium Usage Rated Combined Access Groups

When all the usage on a combined access group originates from and/or terminates at end offices that have been converted to equal access, the following regulations apply:

- (a) Each line side Switched Access Service provided as set forth in 1(f)(2)(b) preceding will be billed at local business exchange service rates:
- (b) Premium Switched Access Service rates will apply for the line side and trunk side combined access groups as follows.

For line side Switched Access Service provided in a combined access group, the minutes billed will be all the terminating intrastate access minutes and the adjusted originating intrastate access minutes for such combined access groups. The adjusted originating minutes will be the originating intrastate access minutes less the reported resold outward WATS and/or WATS-type service minutes of use; but not less than zero.

For trunk side Switched Access Service provided in a combined access group, the minutes billed will be all the terminating and originating intrastate access minutes for such combined groups.

The rates that apply for the line side Switched Access Service and/or the trunk side Switched Access Service minutes will be the Premium Switched Access Service rates as set forth following.

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6. Switched Access Service (Cont'd)

6.11 Treatment of WATS Access Lines as an Option of Switched Access Service (Cont'd)

(D)

G. Resale of WATS and WATS-Type Services (Cont'd)

2. Switched Access (Cont'd)

(b) (Cont'd)

(3) Combined Access Groups - Non Equal Access and Equal Access Offices

(a) Transitional Usage Rated Combined Access Groups

When a combined access group has interLATA usage that originates from and/or terminates at both end offices that have been converted to equal access and end offices that have not been converted, the following regulations apply:

- (i) Each line side Switched Access Service provided as set forth preceding will be billed at local business exchange service rates.
- (ii) In addition, Switched Access Service rates as set forth following will be billed for all the terminating intrastate access minutes and the adjusted originating intrastate access minutes in line side combined access groups. The adjusted originating access minutes will be the originating intrastate access minutes less the reported resold outward WATS and or WATS-type service minutes of use; but not less than zero.

The adjusted originating access minutes and all terminating access minutes will be apportioned between premium and non-premium access minutes using end office specific usage data when available, or when usage data are not available, the premium and non premium ratios developed as set forth in 6.4.1(C)(4) preceding. The Premium and Transitional usage charges set forth following will apply as appropriate to the premium and non-premium access minutes determined in this manner.

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6. Switched Access Service (Cont'd)

6.11 Treatment of WATS Access Lines as an Option of Switched Access Service (Cont'd)

(D)

G. Resale of WATS and WATS-Type Services (Cont'd)

2. Switched Access (Cont'd)

(b) (Cont'd)

(3) Combined Access Groups - Non Equal Access and Equal Access Offices (Cont'd)

(a) Transitional Usage Rated Combined Access Groups  
(Cont'd)

(iii) Further, Switched Access Service rates as set forth following will be billed for all the terminating intrastate access minutes and all the originating intrastate access minutes in trunk side combined access groups. The originating and terminating access minutes in trunk side combined access groups will be apportioned between premium and non-premium access minutes using the premium and non-premium access minutes using the premium and non-premium ratios developed as set forth in 6.4.1(C)(4) preceding. The premium and non-premium usage charges set forth following will apply as appropriate to the premium and non-premium access minutes determined in this manner.

(4) The adjustments set forth in (1), (2) and (3) preceding will be made to the involved customer account no later than either the next bill date or the one subsequent to that, depending on when the usage data is obtained.

(5) When resold WATS and/or WATS-type service usage is shown in hours, the number of hours shall be multiplied by 60 to develop the resold WATS and/or WATS-type service minutes of use. If the resold WATS and/or WATS-type service usage is shown in a unit other than hours or minutes, the customer shall provide a factor to convert that unit to minutes.

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6. Switched Access Service (Cont'd)

6.11 Treatment of WATS Access Lines as an Option of Switched Access Service (Cont'd)

G. Resale of WATS and WATS-Type Services (Cont'd)

2. Switched Access (Cont'd)

(b) (Cont'd)

When combined access is provided, the Telephone Company may request WATS or WATS-type service usage for which the customer was billed. For WATS service, the usage may be requested from either the customer or the provider of the WATS service. For WATS-type service, the usage will be requested from the customer. The requests for this information will relate back no more than 12 months prior to the current billing period.

6.12 IntraLATA Foreign Exchange Service

For IntraLATA Foreign Exchange (FX) service, the local portion (closed end) will be subject to exchange charges, rules and regulations as set forth in the Telephone Company local exchange tariff. For the interexchange portion of the service, the special access charges, rules and regulations (section 7) will apply.

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6. Switched Access Service (Cont'd)

6.13 Rates and Charges

6.13.1 Nonrecurring Charges

<u>Per Entrance Facility</u>	<u>Nonrecurring Charge</u>	
Voice Grade -2 Wire	\$325.00	(D)
Voice Grade -4 Wire	325.00	(D)
High Capacity DS1	378.00	
High Capacity DS3	442.00	
 <u>Trunk Activation</u> <sup>[1]</sup>		(T)
Per 24 Trunks Activated or Fraction thereof on a Per Order Basis	\$176.50	
 <u>Interim NXX Translation</u> <sup>[1]</sup>		(T)
Per Order	48.50	
 <u>Blocking Service</u> <sup>[1]</sup>		(T)
Per exchange serviceline, or trunk and/or per Feature Group A Switched Access Line	5.60	
 <u>Customer Premises Port</u>		
Per DS1	63.00	
Per DS3	248.00	

6.13.2 Local Transport

(A) <u>Entrance Facility</u>	<u>Rate Per Month</u>	
Per Termination		
Voice Grade 2 Wire	\$16.60	(D)
Voice Grade 4 Wire	26.56	(D)
High Capacity DS1	30.63	
High Capacity DS3	793.08	

(D)  
(D)

<sup>[1]</sup> 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. (T)

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6. Switched Access Service (Cont'd)

6.13 Rates and Charges (Cont'd)

6.13.2 Local Transport (Cont'd)

(B) Direct Trunked Transport

Direct Trunked Facility

Per Mile

Voice Grade 2 Wire	\$1.18	(D)
Voice Grade 2 Wire	1.18	(D)
High Capacity DS1	5.95	
High Capacity DS3	51.84	

Direct Trunked Termination

Per Termination

Voice Grade 2 Wire	\$11.88	(D)
Voice Grade 4 Wire	11.88	(D)
High Capacity DS1	5.33	
High Capacity DS3	198.28	

(C) Tandem Switched Transport

Rates Per  
Access Minute

Tandem Switched Facility

Per Mile:

- Originating	\$0.000164
- Terminating – 3rd Party	\$0.000155
- Terminating – End Office	\$0.000000

Tandem Switched Termination

Per Termination:

- Originating	\$0.000807
- Terminating – 3rd Party	\$0.000425
- Terminating – End Office	\$0.000000

Tandem Switching

Per Tandem:

- Originating	\$0.002787
- Terminating - 3rd Party	\$0.001968
- Terminating – End Office	\$0.000000

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6. Switched Access Service (Cont'd)

6.13 Rates and Charges (Cont'd)

6.13.2 Local Transport (Cont'd)

(C) Tandem Switched Transport (Cont'd)

	<u>Rates Per Access Minute</u>	
<u>Common Shared Tandem Multiplexing DS3-DS1</u>		
- Originating	\$0.000361	
- Terminating – 3rd Party	\$0.000361	
- Terminating – End Office	\$0.000000	
 <u>Network Blocking (Applies to FGD only)<sup>[1]</sup></u>		
- Per Blocked Call	\$0.006250	
 <u>Monthly Rate</u>		
<u>Dedicated Trunk Port</u>		
- Per DS0	\$16.77	(D)
- Per DS1, per channel	7.89	
 <u>Multiplexing, Per Arrangement</u>		
- DS1 to Voice	\$146.50	(D)
- DS3 to DS1	379.46	
 <u>Add/Drop Multiplexing Central Office Port</u>		
- Per DS1 Port	\$31.83	
- Per DS3 Port	79.58	
 <u>Customer Premises Port</u>		
- Per DS1 Port	\$39.78	
- Per DS3 Port	155.18	

<sup>[1]</sup> 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.

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6. Switched Access Service (Cont'd)

6.13 Rates and Charges (Cont'd)

6.13.2 Local Transport (Cont'd)

(D) Distance Sensitive Transport

	Rate
<u>Local Transport Facility</u> Per Minute	<u>Per Access Minute</u> \$0.000000
<u>Local Transport Termination</u> Per Termination	\$0.000000

6.13.3 End Office

A. Local Switching

Non Premium Access

- Originating – Toll Free and Non-Toll Free	\$0.000000
- Terminating	\$0.000000

Premium Access

LS1 & LS2 Per Minute

- Originating – Toll Free	<b>\$0.000000</b> (R)
- Originating – Non-Toll Free	\$0.010062
- Terminating	\$0.000000

Shared Trunk Port

- Originating – Toll Free	<b>\$0.000000</b> (R)
- Originating – Non-Toll Free	\$0.001389
- Terminating	\$0.000000

B. Line Termination

Per Minute	\$0.000000
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ACCESS SERVICE TARIFF

6. Switched Access Service (Cont'd)

6.13 Rates and Charges (Cont'd)

6.13.3 End Office (Cont'd)

C. <u>Dedicated Trunk Port</u> <sup>[1]</sup>	<u>Monthly Rate</u>
- Voice Grade	\$0.00
- DS1, per channel	\$0.47

6.13.4 <u>800 Data Base Access Service Queries</u>	<u>Rate Per Query</u>
- Basic	<b>\$0.0002</b> (R)
- Vertical Feature	0.000000

6.13.5 <u>Information Surcharge</u>	
- Originating – Toll Free	\$0.000000
- Originating – Non-Toll Free	\$0.000192
- Terminating	\$0.000000

[1] 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 portion of the DS1 charge is \$.47.

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ACCESS SERVICE TARIFF

7. Special Access Service

7.1 General

Special Access Service provides a transmission path to connect two or more customer designated premises \* when all designated premises can be connected with facilities provided by the Telephone Company. If only a portion of the facilities can be provided by the Telephone Company, Special Access Service provides the transmission path necessary to connect customer designated premises in the Telephone Company's serving area with the interconnection point with another exchange telephone company. Special Access Service includes all exchange access which does not utilize the Telephone Company end office switching.

7.1.1 Rate Elements

There are four basic rate elements which may apply to a Special Access Service in addition to the Special Access Surcharge described in Section 7.4.4 and the Message Station Equipment Recovery charge described in Section 7.4.5.

(A) Channel Termination

The Channel Termination provides for the communication path between a customer designated premises and the serving wire center of that premises. One Channel Termination charge applies per customer designated premises, located in the serving area of the Telephone Company, at which the channel is terminated. This charge will apply even if the customer designated premises and the serving wire center are co-located in a Telephone Company

\* Telephone Company Centrex CO switches are considered to be customer premises for purposes of this tariff.

ACCESS SERVICE TARIFF

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.1 Rate Elements (Cont'd)

(B) Inside Wire

Inside Wire is as set forth in Part 68 of the Federal Communications Commission Rules and Regulations. Inside Wire consists of that portion of the inside wire cost assigned to Special Access Service. This Charge will apply for Each Channel Termination where all or a portion of the inside wire facilities are provided by the Telephone Company.

(C) Channel Mileage

(1) Voice Grade and Metallic Services <sup>[1]</sup>

(C)

The Channel Mileage rate category provides for the end office equipment and the transmission facilities between the serving wire centers associated with two customer designated premises, between a serving wire center associated with a customer designated premises and a Telephone Company hub, between two Telephone Company hubs, or between a serving wire center associated with a customer designated premises and the WATS serving office, or, if the customer utilizes the facilities of another connecting exchange carrier to access a customer designated premises, the Channel Mileage charge will provide for facilities between the end office switch and the interconnection point with the connecting exchange carrier.

The Channel Mileage rate will apply at the service wire center(s) for each customer designated premises. If the Channel Mileage is between Telephone Company bridging hubs, the Channel Mileage rate will apply once. When the Channel Mileage is zero (i.e., co-located serving wire centers), the Channel Mileage rate will not apply. The mileage element is applied as a Channel Mileage Section.

(2) Digital Data and High Capacity Services <sup>[1]</sup>

(C)

The Channel Mileage rate category recovers the costs associated with the end office equipment and the transmission facilities between the serving wire centers associated with two customer designated premises, between a serving wire center associated with a customer designated premises and a Telephone Company hub, between two Telephone Company hubs, between a serving wire center associated with a customer designated premises and a wire center equipped for Add/Drop Multiplexing (ADM) or between two ADM equipped wire centers. Channel Mileage rates are made up of the Channel Mileage Facility rate and the Channel Mileage Termination rate.

<sup>[1]</sup> **Effective November 10, 2021, Metallic, Voice Grade, and Digital Data Services are grandfathered. Availability to current customers is limited to circuits in service at existing locations.**

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(N)

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ACCESS SERVICE TARIFF

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.1 Rate Elements (Cont'd)

(C) Channel Mileage (Cont'd)

(2) Digital Data and High Capacity Services <sup>[1]</sup> (Cont'd)

(C)

The Channel Mileage rate category recovers the costs associated with the end office equipment and the transmission facilities between the serving wire centers associated with two customer designated premises, between a serving wire center associated with a customer designated premises and a Telephone Company hub, between two Telephone Company hubs, between a serving wire center associated with a customer designated premises and a wire center equipped for Add/Drop Multiplexing (ADM) or between two ADM equipped wire centers. Channel Mileage rates are made up of the Channel Mileage Facility rate and the Channel Mileage Termination rate.

(a) Channel Mileage Facility

The Channel Mileage Facility rate recovers the per mile cost for the transmission path which extends between the Telephone Company serving wire centers and/or hub(s) or between the Telephone Company serving wire center and another wire center equipped with a Public Packet Data Network Service.

The Synchronous Optical Channel Service Channel Mileage Facility provides high speed transmission facilities between the Telephone Company serving wire centers or between a Telephone Company serving wire center and another serving wire center equipped for Add/Drop Multiplexing (ADM) or between two ADM equipped wire centers, or between the Telephone Company serving wire center and another wire center equipped with Asynchronous Transfer Mode Cell Relay Access Service.

(b) Channel Mileage Termination

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 Channel Mileage Termination rate will apply at the serving wire center(s) for each customer designated premises and Telephone Company hub where the channel is terminated. If the Channel Mileage is between Telephone Company bridging hubs, the Channel Mileage Termination rate will apply per Telephone Company designated hub.

<sup>[1]</sup> **Effective November 10, 2021, Digital Data Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.**

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ACCESS SERVICE TARIFF

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.1 Rate Elements (Cont'd)

(C) Channel Mileage (Cont'd)

(2) Digital Data and High Capacity Services <sup>[1]</sup> (Cont'd)

(C)

(b) Channel Mileage Termination (Cont'd)

If the Channel Mileage is between the serving wire center for a customer designated premises and a WATS Serving Office, the Channel Mileage Termination rate will apply at both the serving wire center associated with the customer designated premises and the WATS Serving Office. If the Channel Mileage is between the serving wire center for a customer designated premises and another wire center equipped for Frame Relay Access Service, the Channel Mileage Termination Rate will apply only at the serving wire center for the customer designated premises.

If the Channel Mileage is between a Telephone Company serving wire center equipped with Asynchronous Transfer Mode Cell Relay Access Service (ATM-CRS) and another telephone company ATM-equipped serving wire center, no Channel Mileage Termination Rate will apply.

If the Channel Mileage for Synchronous Optical Channel Service is between the serving wire center for a customer designated premises and a wire center equipped for Add/Drop Multiplexing, the Channel Mileage Termination Rate will apply at both the serving wire center associated with the Customer Designated Premises and the wire center equipped with Add/Drop Multiplexing. If the Channel Mileage is between two wire centers equipped for Add/Drop Multiplexing, the channel Mileage Termination rate will apply at both wire centers equipped with Add/Drop Multiplexing.

When the Channel Mileage Facility is zero (i.e., collocated serving wire centers), neither the Channel Mileage Facility rate nor the Channel Mileage Termination rate will apply.

<sup>[1]</sup> **Effective November 10, 2021, Digital Data Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.**

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ACCESS SERVICE TARIFF

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.1 Rate Elements (Cont'd)

(D) Optional Features and Functions

Optional features and functions may be added to a Special Access Service to meet specific communication 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 installed at various locations along the path of the service. Bridging and multiplexing are Optional Feature and Functions which must be performed at a Telephone Company hub office as described in Section 7.1.6. No Optional Features and Function have been requested by customers. At such time as service is requested, and if facilities are available, rates and regulations will be filed in this tariff in order to provide the requested service.

7.1.2 Design Layout Report

At the request of the customer, the Telephone Company will provide 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 the facilities are materially changed.

ACCESS SERVICE TARIFF

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.3 Acceptance Testing <sup>[1]</sup>

(C)

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 test 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) For Metallic services, acceptance tests will include tests for the parameters applicable to the service as specified by the customer in the order for service.

In addition to the above tests, Additional Cooperative Acceptance Testing for Voice Grade service to test other parameters is available at the customer's request. All test results will be made available to the customer upon request. The rates described in Section 9.2.7 for Additional Labor will apply when additional tests are performed.

7.1.4 Service Descriptions <sup>[1]</sup>

(C)

For the purposes of ordering, there are two categories of Special Access Service. These are Metallic (M) and Voice (VG).

<sup>[1]</sup> **Effective November 10, 2021, Voice Grade and Metallic Services are grandfathered. Availability to current customers is limited to circuits in service at existing locations.**

(N)

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ACCESS SERVICE TARIFF

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.4 Service Descriptions (Cont'd)

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. Technical specifications packages are described in this section. Channel interfaces are nonchargeable features of a Special Access Service and are described in 11.3.

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.

The channel description specifies the characteristics of the basic channel and indicates whether the channel is provided between customer designated premises, between a customer designated premises and a Telephone Company hub where bridging or multiplexing functions are performed, or between a customer designated premises and the WATS serving office.

(A) Information pertaining to the technical specifications package described in 7.2 indicates the transmission parameters that are available with each package. This information is displayed in a matrix with the transmission



ACCESS SERVICE TARIFF

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.4 Service Descriptions (Cont'd)

(A) (Cont'd)

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 the 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 alphanumeric 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.

(B) 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, but communication can only be provided between compatible channel interfaces. Only certain channel interfaces are compatible. These are set forth in 11.3 following, in a combination format.

(C) Only certain channel interface combinations are available with the predefined technical specification packages. These are delineated in the Technical References set forth in

ACCESS SERVICE TARIFF

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.4 Service Descriptions (Cont'd)

(C) (Cont'd)

7.1.4(B). When a customized channel is requested, all channel interface combinations available with the specified type of service are available with the customized channel.

(D) The Telephone Company will maintain existing transmission specifications on services installed prior to the effective date of this tariff, except that existing services with performance specification exceeding the standards listed in the provision will be maintained at the performance levels specified in this tariff.

(E) 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 References for each category of service:

Metallic <sup>[1]</sup>	PUB	62502	(C)
Voice Grade <sup>[1]</sup>	PUB	62501 and associated Addendum 41004, Table 4	(C)
	PUB		

7.1.5 Ordering Options and Conditions

Special Access Service is ordered under the Access Order provisions set forth in 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.).

<sup>[1]</sup> **Effective November 10, 2021, Voice Grade and Metallic Services are grandfathered. Availability to current customers is limited to circuits in service at existing locations.** (N)  
(N)

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## ACCESS SERVICE TARIFF

### 7. Special Access Service (Cont'd)

#### 7.1 General (Cont'd)

##### 7.1.6 Facilities Hubs

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. National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4 identifies serving wire centers, hub locations and the type of bridging or multiplexing functions available.

#### 7.2 Channel Types and Service Descriptions

There are two basic 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 and channel interfaces those that they desire to meet 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 nor to imply that the channel is limited to a particular use. For example, if a customer's equipment is capable of transmitting voice over a channel that is identified as a Metallic Service in this tariff, there is no restriction against doing so.

ACCESS SERVICE TARIFF

7. Special Access Service (Cont'd)

7.2 Channel Types and Service Descriptions (Cont'd)

7.2.1 Metallic Service Channel Description – **GRANDFATHERED** <sup>[1]</sup>

(C)

A Metallic channel is an unconditioned two-wire channel arranged to transmit direct current and capable of transmitting low speed varying signals at rates up to 30 baud. This channel is provided by metallic or equivalent facilities. Metallic channels are provided between customer designated premises or between a customer designated premises and a Telephone Company hub where bridging functions are performed. Interoffice metallic facilities will be limited in length to a total of five miles per channel.

(A) Technical Specifications Packages

<u>Parameter</u>	<u>Packages MT-</u>			
	<u>C*</u>	<u>1</u>	<u>2</u>	<u>3</u>
DC Resistance Between Conductors	X	X	X	
Loop Resistance	X			X
Shunt Capacitance	X			X

The technical specifications are delineated in Technical Reference PUB 62502

\* All parameters are available within the ranges selected by the customer where technically feasible.

(B) Channel Interfaces

Compatible channel interfaces are set forth in 11.3 following.

<sup>[1]</sup> **Effective November 10, 2021, Metallic Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.**

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ACCESS SERVICE TARIFF

7. Special Access Service (Cont'd)

7.2 Channel Types and Service Descriptions (Cont'd)

7.2.2 Voice Grade Service Channel Description – GRANDFATHERED <sup>[1]</sup>

(C)

A voice Grade channel is a channel which 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 and between a customer designated premises and a Telephone Company hub, or between a customer designated premises and a WATS serving office.

(A) Technical Specifications Packages

<u>Parameter</u>	<u>Packages VG-</u>												
	<u>C*</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>
Attenuation Distortion	X	X	X	X	X	X	X	X	X	X	X	X	X
C-Message Noise	X	X	X	X	X	X	X	X	X	X	X	X	X
Echo Control	X	X	X	X		X		X	X			X	X
Envelope Delay													
Distortion	X						X	X	X	X	X	X	X
Frequency Shift	X						X	X	X	X	X	X	X
Impulse Noise													
Intermodulation	X						X	X	X	X	X	X	
Loss Deviation	X	X	X	X	X	X	X	X	X	X	X	X	X
Phase Hits, Gain													
Hits, and Dropouts	X												
Phase Jitter	X						X	X	X	X	X	X	
Signal-to C													
Message Noise					X								
Signal-to-C													
Notch Noise	X					X	X	X	X	X	X	X	X

\* The desired parameters are selected by the customer from the list of available parameters.

<sup>[1]</sup> **Effective November 10, 2021, Voice Grade Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.**

(N)

(N)

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## ACCESS SERVICE TARIFF

### 7. Special Access Service (Cont'd)

#### 7.2 Channel Types and Service Descriptions (Cont'd)

##### 7.2.2 Voice Grade Service Channel Description – GRANDFATHERED <sup>[1]</sup> (Cont'd) (C)

###### (A) Technical Specifications Package (Cont'd)

The technical specification for these parameters (except for dropouts, gain hits, and phase hits) are delineated in Technical Reference PUB 62501 and associated Addendum. The technical specifications for dropouts, phase hits, and gain hits are delineated in Technical Reference PUB 41004, Table 4.

###### (B) Channel Interfaces

The following channel interfaces for Voice Grade service do not require signaling capability: AH, DA, DB, DD, DE, DS, NO, PR 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 11.3 following.

#### 7.3 Service Configurations

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

##### 7.3.1 Two-Point Service

A two-point service connect 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)

<sup>[1]</sup> **Effective November 10, 2021, Voice Grade Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.** (N)  
(N)

ACCESS SERVICE TARIFF

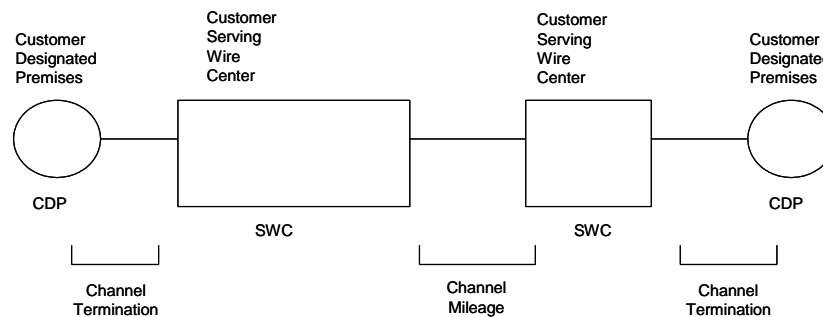
7. Special Access Service (Cont'd)

7.3 Service Configurations (Cont'd)

7.3.1 Two Point Service (Cont'd)

An Inside Wire Charge, as set forth in 7.1.1(B) may apply. In addition, a Special Access Surcharge, as set forth in 7.4.4 following and a Message Station Equipment Recovery Charge, as set forth in 7.4.5 following, may be applicable.

The following diagram depicts a two-point Voice Grade service connecting two customer designated premises (CDP) located 15 miles apart.



Applicable rate elements are:

- Channel Terminations (2 applicable)
- Channel Mileage (1 applicable)

7.3.2 Multipoint Service

Multipoint service connects three or more customer designated premises through a Telephone Company hub. Only certain types of Special Access Service are provided as multipoint service. These are so designated in the descriptions for the appropriate channel.

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7. Special Access Service (Cont'd)

7.3 Service Configurations (Cont'd)

7.3.2 Multipoint Service (Cont'd)

The channel between hubs (i.e., bridging locations) on a multipoint service is a mid-link. There is no limitation on the number of mid-links available with a multipoint service. However, when more than three mid-links in tandem are provided the quality of the overall service may be degraded.

Multipoint service utilizing a customized technical specifications package, as set forth in 7.1.4 preceding, 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). National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4 identifies serving wire centers, hub locations and the type of bridging functions available.

Applicable Rate Elements are:

- Channel Terminations (one per customer designated premises)
- Channel Mileage (as applicable between the serving wire center for each customer designated premises and the hub between hubs).
- Additional Optional Features and Function (when applicable).

Inside Wire charge, as set forth in 7.1.1(B) following, may apply. In addition, the Special Access Surcharge, as set forth in 7.4.4 following, and a Message Station Equipment Recovery Charge, as set forth in 7.4.5 following, may be applicable.



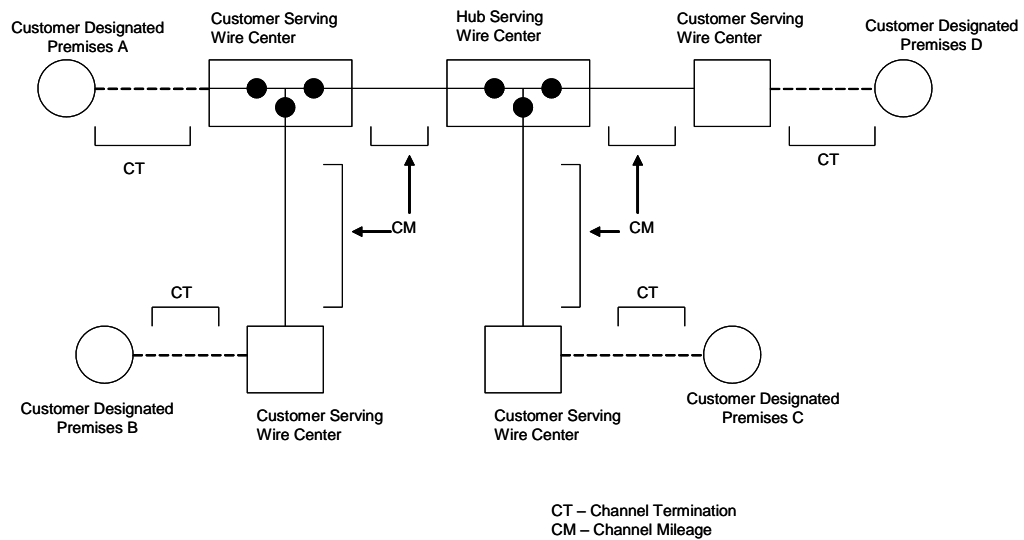
ACCESS SERVICE TARIFF

7. Special Access Service (Cont'd)

7.3 Service Configurations (Cont'd)

7.3.2 Multipoint Service (Cont'd)

Example: Voice Grade multipoint service connecting four customer designated Premises (CDP) via two customer specified bridging hubs.



Applicable rate elements are:

- Channel Terminations (4 applicable)
- Channel Mileage (4 applicable)
- Bridging Optional Feature (6 applicable, i.e., each bridge port)

ACCESS SERVICE TARIFF

7. Special Access Service (Cont'd)

7.3 Service Configurations (Cont'd)

7.3.3 Digital Data Service – GRANDFATHERED <sup>[1]</sup>

(C)

A. General

Dedicated Digital Data Service provides a transmission path to connect customer designated premises directly through a telephone company's serving wire center.

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 or 56.0 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.

B. Regulations

1. In addition to the following, appropriate regulations established elsewhere in the tariff will apply to Dedicated Digital Data Service.
2. The minimum billing for Dedicated Digital Data Service is one month.
3. The provision of Dedicated Digital Data Service and any associated features are subject to the availability of central office and outside plant facilities.
4. As a result of any interface or technical change required of the Company due FCC rules, the Company shall not be liable if changes in any of the equipment, operations or procedures of the Company utilized in the provision of Dedicated Digital Data Service, render any customer premises equipment provided by a customer obsolete or require modification or alteration of such equipment or systems or otherwise affect its use or performance.
5. The Company makes no guarantee and assumes no liability for the accuracy, performance or non-performance of the Dedicated Digital Data Service.
6. See Section 7.5.1 © and 7.5.3 © for the applicable rate.

<sup>[1]</sup> **Effective November 10, 2021, Digital Data Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.**

(N)  
(N)

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ACCESS SERVICE TARIFF

7. Special Access Service (Cont'd)

7.3 Service Configurations (Cont'd)

7.3.4 High Capacity Service – GRANDFATHERED

**Effective August 15, 2024, Private Line DS-1 and DS-3 Services are grandfathered. New contracts or renewal of existing contracts will no longer be accepted for these services, effective immediately. Existing services are limited to circuits in service at existing locations. Customers with a contract may retain their Intrastate Private Line circuit on a month-to-month basis once the contract expires.**

A. General

A High Capacity channel is a channel for the transmission of 1.544 Mbps isochronous serial data. The actual bit rate is a function of the channel interface. High Capacity channels are provided between customer designated premises or between a customer designated premises and a Telephone Company hub or hubs.

B. Regulations

1. The customer may provide the Network Channel Terminating Equipment associated with the High Capacity channel at the customer's premises.
2. In addition to the following, appropriate regulations established in other tariffs of the Company will apply to High Capacity Service.
3. The minimum billing for High Capacity Service is one month.

(C)

(N)

(N)

(M)

(M)

(M) – Material moved to Page 111.3.

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ACCESS SERVICE TARIFF

7. Special Access Service (Cont'd)

7.3 Service Configurations (Cont'd)

7.3.4 High Capacity Service - GRANDFATHERED

B. Regulations

4. The provision of High Capacity Service and any associated features are subject to the availability of central office and outside plant facilities.
5. As a result of any interface or technical change required of the Company due to FCC rules, the Company shall not be liable if changes in any of the equipment, operations or procedures of the Company utilized in the provision of High Capacity Service, render any customer premises equipment provided by a customer obsolete or require modification or alteration of such equipment or systems or otherwise affect its use or performance.
6. The Company makes no guarantee and assumes no liability for the accuracy, performance or non-performance of the High Capacity Service.
7. See Section 7.5.1 (D) and 7.5.3 (D) for the applicable rate.

7.4 Rate Regulations

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

(C)

(M)

(M)

(M) – Material moved from Page 111.2.

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ACCESS SERVICE TARIFF

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.1 Application of Rates and Charges

(A) Nonrecurring Charges

Nonrecurring Charges apply to each installation of service as a one time charge. Changes to existing services other than administrative changes described in Section 6.8.1 will be treated as a discontinuance of the existing service and an installation of a new service.

If an additional let is added to an existing multipoint service, nonrecurring charges will only apply to the additional termination.

Nonrecurring charges apply for each Channel Termination installed.

(B) Recurring Charges

Recurring charges apply to the ongoing provision of Special Access Service to the customer.

Monthly rates are 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.

7.4.2 Minimum Periods

Special Access Service is provided for a minimum period of one month.

ACCESS SERVICE TARIFF

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.3 Surcharge for Special Access Service

(A) General

The Special Access Surcharge will apply to each intrastate Special Access Service that terminates on an end user's PBX or other device where, through a function of the device, the Special Access Service interconnects to the local exchange network. Interconnection functions include but are not limited to wiring and software functions, bridging, switching or patching of calls or stations. The Surcharge will apply irrespective of whether the interconnection function is performed in equipment located at the customer's premises or in a Centrex CO-type switch. The Surcharge rate is set forth in 7,5,4 following.

(B) Exemption of Special Access Service

Special Access Service will be exempt from the Surcharge by the Telephone Company upon receipt of the customer's written certification as described in 7.4.4(C), for the following Special Access Service terminations:

- (1) an open-end termination in a Telephone Company switch to an FX line, including CCSA and CCSA-equivalent ONALs; or
- (2) an analog channel termination that is used for radio or television program transmission; or
- (3) a termination used for TELEX service; or

ACCESS SERVICE TARIFF

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.3 Surcharge for Special Access Service (Cont'd)

(B) Exemption of Special Access Service (Cont'd)

- (4) a termination that by the nature of its operating characteristics could not make use of Telephone Company common lines such as, terminations which are restricted through hardware or software; or
- (5) a termination that interconnects either directly or indirectly to the local exchange network where the usage is subject to Carrier Common Line Charges; or
- (6) a termination that the customer certifies to the Telephone Company is not connected to a PBX or other device which inter-connects the Special Access Service to a local exchange subscriber line.
- (7) a termination of WATS Access Service that the customer certifies to the Telephone Company as in place on or before March 13, 1986, and the customer resells the WATS service provided over the WATS Access Service.

Pursuant to CC Docket No 86-1 Report and Order, adopted by the Federal Communications Commission on March 13, 1986, and release March 21, 1986, this exemption shall apply for a six month period commencing June 1, 1986 and ending December 31, 1986.

(C) Exemption Certification

- (1) Special Access Services which are terminated as set forth in 7.4.4(B) preceding will be exempted from the Special Access Surcharge if the customer provides the Telephone Company with written exemption certification. The certification may be provided to the Telephone Company (1) at the time the Special Access Service is ordered or installed; (2) at such time as the service is reterminated to a device which does not interconnect to the service to local exchange facilities, or (3) at such time as the service becomes associated with a Switched Access Service that is subject to Carrier Common Line Charges.

ACCESS SERVICE TARIFF

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.3 Surcharge for Special Access Service (Cont'd)

(C) Exemption of Certification (Cont'd)

- (2) 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 7.4.4(B) preceding, for each termination, and the date which the exemption is effective.
- (3) The customer shall also notify the Telephone Company when an exempted Special Access Service is changed or reterminated such that the exemption is no longer applicable.
- (4) The Telephone Company will work cooperatively with the customer to resolve any question regarding the exemption certification. In addition, the Telephone Company may withhold exemption of the service until the questions are resolved.

(D) Application of Surcharge

- (1) The Telephone Company will bill the appropriate Special Access Surcharge to the ordering customer for each intrastate Special Access Service installed unless exemption certification is provided as set forth in 7.4.4 preceding. In the case of multipoint Special Access Services, one Special Access Surcharge will apply for each termination of a Special Access Channel at an end user's premises.



ACCESS SERVICE TARIFF

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.3 Surcharge for Special Access Service (Cont'd)

(D) Application of Surcharge (Cont'd)

- (2) If a 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 set forth in (3) following.
- (3) The Telephone Company will cease billing the Special Access Surcharge when certification, is received. 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 as specified by the customer in the letter of certification.

7.4.4 Message Station Equipment Recovery Charge

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

Pursuant to CC Docket 83-1145 Memorandum Opinion and Order adopted by the Federal Communications Commission on November 8, 1984, and released on November 9, 1984, this charge is assessed only to those customers to which the Special Access Surcharge, as set forth in 7.4.4 preceding, applies. The rate for Message Station Equipment Recovery is set forth in 7.5.5 following.

ACCESS SERVICE TARIFF

7. Special Access Service (Cont'd)

**Effective August 15, 2024, Private Line DS-1 and DS-3 Services are grandfathered. New contracts or renewal of existing contracts will no longer be accepted for these services, effective immediately. Existing services are limited to circuits in service at existing locations. Customers with a contract may retain their Intrastate Private Line circuit on a month-to-month basis once the contract expires.**

(N)  
 |  
 (N)

7.5 Rates and Charges

		<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	
7.5.1	<u>Channel Termination, per Termination</u> *			
	(A) <u>Voice Grade Channel</u> <sup>[1]</sup>			
	Two Wire	\$39.15	\$78.05	
	Four Wire	\$62.64	\$78.05	
	(B) <u>Metallic Channel</u> <sup>[1]</sup>			
	Two Wire	\$39.15	\$75.80	
	(C) <u>Digital Data Channel</u> <sup>[1]</sup>			
	2.4,4.8,9.6,19.2,56.0	\$105.00	\$150.00	
	64.0	\$115.50	\$150.00	
	(D) <u>High Capacity Channel - Grandfathered</u>	\$221.55	\$400.00	(C)
7.5.2	<u>Inside Wire, per Channel Termination</u>	\$3.57	None	

(M)  
 |  
 (M)

\* The Channel Termination rate includes non-chargeable Channel Interfaces as set forth in 7.1.4.

<sup>[1]</sup> Effective November 10, 2021, Voice Grade, Metallic, and Digital Data Services are grandfathered. Availability to current customers is limited to circuits in service at existing locations.

(M) – Material moved to Page 117.1

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ACCESS SERVICE TARIFF

7. Special Access Service (Cont'd)

7.5 Rates and Charges

		<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	
7.5.3	<u>Channel Mileage</u>			
(A)	Voice Grade Mileage Section <sup>[1]</sup>	\$81.34	None	(M)
(B)	Metallic Mileage Section <sup>[1]</sup> (per Mileage Section)	\$81.34	None	
(C)	Digital Data Channels <sup>[1]</sup>			
	1. per Mile	\$0.30	None	
	2. Channel Mileage Termination** per Termination	\$7.50	None	
(D)	High Capacity Channels - <b>Grandfathered</b>			(C)
	1. Channel Mileage Facility – per mile, per month	\$5.36		
	2. Channel Mileage Termination – per termination	\$50.00		
	3. DS1 CT Loop Transport greater than 3 miles	\$30.33		
7.5.4	<u>Special Access Surcharge</u>			
	- per Voice Grade Equivalent	\$25.00	None	
7.5.5	<u>Message Station Equipment Recovery Charge</u>	\$25.25	None	(M)

\*\* Additional Channel Termination charges and Installation charges will apply whenever a spare channel is configured as a leg to the customer designated premises.

<sup>[1]</sup> Effective November 10, 2021, Voice Grade, Metallic, and Digital Data Services are grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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ACCESS SERVICE TARIFF

8. Billing and Collection Services

The Telephone Company will provide the following service at the request of the I.C.

- (A) Recording Service
- (B) Billing Service

8.1 Recording Service

8.1.1 General Description

Recording Service is the recording of the details of an end user message for the customer.

The term "customer message" denotes a completed call originated by a customer's end user. A customer message begins when answer supervision from the premise of the ordering customer is received by Telephone Company recording equipment indicating that the called party has answered. A customer message ends when disconnect supervision is received by Telephone Company recording equipment from either the premise of the ordering customer or the customer end user premises from which the call originated.

A description of each Recording Service rate element follows.

(A) Recording

Recording is the entering on data files or other acceptable media the details of customer messages originated through Switched Access Service. Recording is provided 24 hours a day, 7 days a week. The rate is applied based on each message recorded and is applied to both Message Telephone Service and WATS services.

(C)

ACCESS SERVICE TARIFF

8. Billing and Collection Services (Cont'd)

8.1 Recording Service (Cont'd)

8.1.1 General Description (Cont'd)

(B) Assembling and Editing

Assembling and Editing is the aggregation of the recorded customer message detail to create individual messages and verify that the data necessary for rating is present. This rate is applied whenever the customer orders Recording service or when the customer provides recorded detail which must be converted to the Telephone Company's standard format prior to rating.

(C) Provision of Message Detail

Provision of Message Detail is the provision of recorded, assembled and edited message detail to the customer. The information provided will be sorted by end user telephone number and include name and address information so the customer has sufficient detail for billing their end users. Except for lost or damaged records, the recorded detail will be available to the customer not more than five business days after the date all the detail requested by the customer was processed by the Telephone Company. The Telephone Company will provide this information on data files to the customer. The charge for each data file utilized will apply.

(C)  
(C)

Where available and when requested by the customer, the assembled and edited customer message detail will be data transmitted to the customer. The charge for data transmission set forth in 8.2.7 will apply.

ACCESS SERVICE TARIFF

8. Billing and Collection Services (Cont'd)

8.1 Recording Service (Cont'd)

8.1.2 Undertaking of the Telephone Company

- (A) The Telephone Company will provide Recording Service in its operating territory. The minimum territory for which the Telephone Company will provide this service is all offices where the customer has ordered Switched Access Service.
- (B) The Telephone Company will record all customer messages carried over Feature Group C Switched Access Service. The recording equipment will be provided at locations selected by the Telephone Company. Assembly and editing will be performed on all messages recorded during the billing period established by the Telephone Company. Except as set forth in 8.1.2(F) and 8.1.3 following, recorded message detail from previous billing periods will not be recovered and made available to the customer.
- (C) A standard format for the provision of the recorded message detail will be established by the Telephone Company and provided to the customer. If, in the course of Telephone Company business, it is necessary to change the format, the Telephone Company will notify the involved customers six months prior to the change.
- (D) Sorting, as described in the Provision of Message Detail rate element, will be provided to the customer contingent on the customer furnishing the Telephone Company with any additional information which may be needed in order to perform these services.

ACCESS SERVICE TARIFF

8. Billing and Collection Services (Cont'd)

8.1 Recording Service (Cont'd)

8.1.2 Undertaking of the Telephone Company

- (E) At the request of a customer, data files containing the recorded customer message details will be provided to the customer as part of Recording Service. The Telephone Company will supply the data files at the rate described in Section 8.1.6. Unless specified otherwise by the customer, the data files will be sent to the customer electronically. (C)  
(C)  
(C)  
(C)
- (F) The Telephone Company will retain message detail for forty-five days from the date the detail was initially made available to the customer. At the customers request, within the forty-five day period, the Telephone Company will provide previously recorded and provided message detail to the customer. All applicable charges will apply for the provision of this service as if the information was being provided for the first time.
- (G) If customer message detail is data transmitted to a customer location, the rate for Data Transmission described in Section 8.2.7 will apply.

8.1.3 Liability of the Telephone Company

- (A) Any liability described here is in addition to the liability described in Section 2.1.3.
- (B) If customer message detail is not available because the Telephone Company lost or damaged data files or incurred recording systems outages, the Telephone Company will estimate the volume of lost customer messages and associated revenue (C)

ACCESS SERVICE TARIFF

8. Billing and Collection Services (Cont'd)

8.1 Recording Service (Cont'd)

8.1.3 Liability of the Telephone Company (Cont'd)

(B) (Cont'd)

based on previously know values. This estimated customer message volume will be included along with the customer message detail provided to the customer and/or provided for Rating Service. Appropriate credit adjustments will be made to the customer amounts due to account for the customer's unbillable revenue. The Company's liability is limited to the granting of a corresponding credit adjustment to the customer amount due to account for the unbillable revenue.

(C) When the Telephone Company, due to error or omission, provides incomplete data to a customer, the Telephone Company will make every reasonable effort to recover the data at no additional charge. Such request to recover the data must be made within 30 days from the date the details were initially made available to the customer. If the data cannot be recovered, the extent of the Telephone Company's liability for damages shall be limited as set forth in (B) preceding.

(D) In the absence of willful misconduct, no liability for damages to the customer or other person other than as set forth in (B) and (C) preceding shall be assumed by the Telephone Company.

8.1.4 Obligations of the Customer

(A) The customer shall order Recording Service from the Telephone Company. No charges apply for the processing of an order except as described in Section 8.1.5 for minimum periods and minimum monthly charges



ACCESS SERVICE TARIFF

8. Billing and Collection Services (Cont'd)

8.1 Recording Service (Cont'd)

8.1.4 Obligations of the Customer (Cont'd)

(A) (Cont'd)

The customer shall order Recording Service at least one month prior to the date when the customer message detail is to be recorded.

(B) The customer shall order Provision of Message Detail at least one month prior to the period when it wishes to receive the recorded message detail. If a change in the method of provision of recorded customer message detail is requested, the Telephone Company will make its best effort to accommodate the request within one month of receiving written notification from the customer.

(C) The premises of the ordering customer shall provide the signals necessary to properly operate the Telephone Company's automatic message accounting equipment used to perform the detail recordings.

8.15 Payment Arrangements and Audit Provision

(A) Audit Provision

With a minimum of two weeks written notice to the Telephone Company, the customer shall have the right to audit, during normal business hours and at reasonable, intervals as determined by the Telephone Company, all records and accounts which contain information concerning the recording of messages for which amounts may be payable to the customer. Adjustments shall be made by the proper party to compensate for any errors disclosed by the audit.

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

ACCESS SERVICE TARIFF

8. Billing and Collection Services (Cont'd)

8.1 Recording Service (Cont'd)

8.1.5 Payment Arrangements and Audit Provision (Cont'd)

(B) Minimum Period and Minimum Monthly Charge

The minimum period for which Recording Service is provided and for which charges apply is one month.

The minimum monthly charges are the charges for each rate element ordered by the customer for a 30 day period. If service is terminated prior to the completion of the initial month of service, the Telephone Company will estimate the minimum charge for each rate element using the most recent data available. Actual data for the period service was provided will be utilized to determine an amount per day. The amount per day will be multiplied by 30 to determine the minimum charge.

(C) Cancellation of an Order for Service

A customer may cancel an order for Recording Service on any date prior to the service date without incurring cancellation charges. If verbal notice of the cancellation is given, the verbal notice must be followed by written confirmation within 10 days. The service date for Recording Service is the date the customer requests that recording start. Minimum monthly charges as described in 8.1.5(B) apply if service is cancelled on or after the service date. No other cancellation charges apply.

(D) Changes to Orders for Service

When a customer requests non-material changes to a pending order for Recording Service, the requested change will be made to the existing

ACCESS SERVICE TARIFF

8. Billing and Collection Services (Cont'd)

8.1 Recording Service (Cont'd)

8.1.5 Payment Arrangements and Audit Provision (Cont'd)

(D) Changes to Orders for Service (Cont'd)

order. Non-material changes which will be accommodated under an existing order include changes to customer name, address, and the location where Recording Service output will be provided. If the existing order must be cancelled due to material changes, and a new order issued, all minimum monthly charges will apply to the cancelled order.

8.1.6 Rates and Charges

The rates and charges are:

	<u>Rates</u>	
(1) Recording, per customer message	\$0.030	
(2) Assembling & Editing, per customer message	0.010	
(3) Provision of Message Detail, per message	ICB	
(4) Data File, per file	\$45.00	(C)

8.2 Billing Service

8.2.1 General Description

Billing Service consists of the rating of customer messages, the billing and collection of customer charges to end users and maintenance of the end user files and software modifications necessary to provide these services. A description of each Billing Service rate element follows.

ACCESS SERVICE TARIFF

8. Billing and Collection Services (Cont'd)

8.2 Billing Service (Cont'd)

8.2.1 General Description (Cont'd)

(A) Rating Service

Rating Service is a charge per message for transforming the recorded, assembled and edited end user message details into rated messages in preparation for billing. Rating will be performed based on the customer provided schedule of rates for both Message Telephone Service and WATS service. Upon completion, rated messages will be provided to the customer for billing unless the customer orders Bill Processing Service from the Telephone Company. Rated messages are ready for input to the Bill Processing Service of the Telephone Company.

(B) Bill Processing Service

- (1) Bill Processing Service is a charge per message for the preparation and mailing of bills, and collection of amounts due from end users for their use of the customer's service.
- (2) If a contractual arrangement can be mutually agreed upon, the Telephone Company will purchase from the customer the accounts receivable that arise from bills rendered by the Telephone Company to that customer's end users. If arrangements cannot be agreed on, the Telephone Company will act as billing agent in the provision of Bill Processing Service.
- (3) Subject to procedures established by the customer, the Telephone Company will answer end user questions about charges billed for customer services, apply credits and adjustments to end user accounts and review customer messages removed from an end user's bill.

ACCESS SERVICE TARIFF

8. Billing and Collection Services (Cont'd)

8.2 Billing Service (Cont'd)

8.2.1 General Description (Cont'd)

(B) Bill Processing Service (Cont'd)

- (4) Treatment of accounts is also provided as a part of this rate element. Treatment of accounts is the forwarding of notices to the end user of delinquent or unpaid end user accounts, posting of credits and adjustments.

(C) Special Billing Service

When Bill Processing Service is provided where the bill cannot be included with the monthly bill for local service, a charge for Special Billing Service also applies. This situation occurs when credit card charges are not associated with an end user common line or when the billing is performed for a dedicated facility such as a Special Access Line or a WATS Access Line.

(D) Data Transmission

Data Transmission charges apply for each message received or transmitted from or to another exchange telephone company for the purpose of billing the end user.

(E) Provision of Sample Message Data

Provision of Sample Message Data, when requested by the customer, will be provided at the rate described for each message provided. This rate element is utilized in the provision of CMDS data if requested. If, at the request of the customer, the sample information is provided on data files, the charge for each data files utilized will apply in addition to the per message charge.

(C)  
(C)

ACCESS SERVICE TARIFF

8. Billing and Collection Services (Cont'd)

8.2 Billing Service (Cont'd)

8.2.1 General Description (Cont'd)

(F) Program Development

Program Development charges will apply when changes requested by the customer must be made in the rating program of the Telephone Company in order to provide Rating Service. If requested, the company will estimate the charges for making the required changes prior to accepting an order from the customer authorizing the changes. The time incurred in preparing the estimate will be billed to the customer at the established hourly rate.

(G) Message-Billed Service

The Message-Billed Service charge per bill rendered applies each month that one or more messages or related rate elements are billed to an end user. When both interstate and state customer messages are billed by the Telephone Company to the end user on the same bill, the Message Billed Service charge times 0.5 applies each month. When more than one copy of the end user bill is provided to the end user, the Message-Billed Service charge applies for each additional copy of the end user bill provided.

8.2.2 Undertaking of the Telephone Company

(A) General

The minimum territory for which the Telephone Company will provide Billing Service is each individual exchange area in its operating territory.

ACCESS SERVICE TARIFF

8. Billing and Collection Services (Cont'd)

8.2 Billing Service (Cont'd)

8.2.2 Undertaking of the Telephone Company (Cont'd)

(B) Rating Service

- (1) When Rating Service is ordered by a customer, the Telephone Company will process all of the customer messages it processes.
- (2) The Telephone Company will provide Rating Service only for customer sent paid messages originating within the operating territory of the Telephone or received collect messages which must be processed prior to billing. The customer messages which the Telephone Company will process may be customer messages from Recording Service as set forth in 8.1 preceding or, other customer messages which are chargeable in accordance with the rate schedule furnished by the customer.
- (3) A record of customer call detail is required to provide Rating Service. When a customer subscribes to Recording Service and Assembling and Editing, recorded details may be used as the input. When the customer provides the call details, the records must be in the standard format established by the Telephone Company and delivered to the location specified by the Telephone Company. The charges for Data Transmission will apply if the customer data-transmits its call details to the Telephone Company. If the customer provided records must be converted by the Telephone Company to the standard format,

ACCESS SERVICE TARIFF

8. Billing and Collection Services (Cont'd)

8.2 Billing Service (Cont'd)

8.2.2 Undertaking of the Telephone Company (Cont'd)

(B) Rating Service (Cont'd)

(3) (Cont'd)

and the Telephone Company agrees to make the conversion, the Program Development charges apply for the hours required to design, develop, test and maintain the necessary programs. When the customer provided records must be converted, the Assembling and Editing charge, described in Section 8.1, applies in addition to all other charges. The Telephone Company will provide to the customer the precise details of the required standard format. If, in the course of Telephone Company business, it is necessary to change the standard format, the Telephone Company will notify the customer six months prior to the change. If, due to customer error, customer provided call details must be reprocessed, all appropriate charges will apply.

(4) The Telephone Company will develop the customer's schedule of rates into a rating program. Program Development charges apply for the hours required to design, develop, test and maintain the necessary programs.

(5) Upon acceptance by the Telephone Company of an order for Rating Service, the Telephone Company will determine the period of time to implement such service on an individual order basis.



ACCESS SERVICE TARIFF

8. Billing and Collection Services (Cont'd)

8.2 Billing Service (Cont'd)

8.2.2 Undertaking of the Telephone Company (Cont'd)

(B) Rating Service (Cont'd)

- (6) Changes to the Telephone Company billing programs necessary to properly apply the customers rates will normally be implemented within 30 days after receipt of an order for service from the customer. If the Telephone Company determines that it will be unable to implement the changes within 30 days, the customer will be notified of the conditions and period of time required. If any message detail must be reprocessed in order to apply the customer's rate changes, the appropriate Rating Service charges will apply.
- (7) Where the Telephone Company has rated customer messages which are to be billed to an end user by another Exchange Telephone Company, the Telephone Company will transmit the data to a location specified by the customer. Applicable Data Transmission charges and, if requested by the customer, data files charges will apply.
- (8) Where the rates for the customer's services have been implemented under an accounting order pending final approval from a regulatory agency, the Telephone Company will, upon written request from the IC, keep such records as may be required to make any adjustments to the end user accounts as may be ordered by the regulatory agency. The charges for such service will be determined on an individual case basis.

(C)

ACCESS SERVICE TARIFF

8. Billing and Collection Services (Cont'd)

8.2 Billing Service (Cont'd)

8.2.2 Undertaking of the Telephone Company (Cont'd)

(B) Rating Service (Cont'd)

- (9) If the customer requests that the Telephone company furnish rated message detail rather than ordering Bill Processing Service, the data will be provided in a format similar to that used by the Telephone Company as input to Bill Processing Service unless the customer has also ordered the Provision of Message Detail described in Section 8.1.

Program Development charges apply for the hours required to design, develop, test and maintain the necessary programs to provide this service.

(C) Bill Processing Service

- (1) When Bill Processing Service is ordered by a customer, the Telephone Company will establish and maintain end user accounts and prepare and render bills for all customer messages, and related rate elements it possesses.
- (2) The Telephone Company will not render bills under this tariff for the provision and/or delivery of telegrams, flowers, gifts, wine or other like services that a customer offers to his end users.
- (3) Rated customer messages are required to provide Bill Processing Service. If the customer subscribes to Rating Service, the rated messages may be used as the input. If the customer provides the rated messages, those messages must be in the

ACCESS SERVICE TARIFF

8. Billing and Collection Services (Cont'd)

8.2 Billing Service (Cont'd)

8.2.2 Undertaking of the Telephone Company (Cont'd)

(C) Bill Processing Service (Cont'd)

(3) (Cont'd)

standard format established by the Telephone Company and delivered to the location specified by the Telephone Company. If the Telephone Company must convert customer provided messages to the standard format, all applicable program development charges will apply.

- (4) The Telephone Company will accept customer gift certificates for payment from end users if the customer agrees in writing to redeem all such gift certificates. The format of the gift certificate must be acceptable to the Telephone Company.
- (5) Unbillable messages will be handled in accordance with instructions that have been mutually determined by the Telephone Company and the customer.
- (6) The Telephone Company will make adjustments to end user balances as authorized by customer-approved procedures or the specific instruction of the customer.
- (7) The customer agrees to permit the Telephone Company to determine and collect customer service deposits from all customer's end users in accordance with the Telephone Company's deposit regulations. The customer will notify its end users through its tariffs or other means that the Telephone Company will determine and collect customer service deposits.

ACCESS SERVICE TARIFF

8. Billing and Collection Services (Cont'd)

8.2 Billing Service (Cont'd)

8.2.3 Liability of the Telephone Company

(A) Rating Service and Bill Processing Service

- (1) If message detail recorded by the Telephone Company or provided by the customer is lost through the negligence of the Telephone Company and cannot be replaced or recovered, the necessary information will be estimated as set forth in Section 8.1.3(B).
- (2) Errors in end user billing, when identified, will be corrected within sixty days. End user billing will be corrected for a retroactive period not to exceed three years from the date the error is discovered.
- (3) In the absence of willful misconduct, the Telephone Company shall have no liability other than that described in (1) and (2) above.

8.2.4 Obligation of the Customer

(A) Rating Service and Bill Processing Service

- (1) The customer shall be responsible for collecting all balances due from end users that existed prior to ordering Bill Processing Service.
- (2) Rating Service and Bill Processing Service must be ordered for renewable one year periods. Six months, prior to the end of each one year period, the customer must provide written notice if service is to be discontinued at the end of the period. If notification is not received, the Telephone

ACCESS SERVICE TARIFF

8. Billing and Collection Services (Cont'd)

8.2 Billing Service (Cont'd)

8.2.4 Obligation of the Customer (Cont'd)

(A) Rating Service and Bill Processing Service (Cont'd)

(2) (Cont'd)

Company will automatically extend the services for another year and notify the customer that service has been extended. The rates which apply will be those in effect during the period when service is provided. These rates will not necessarily be the same as those in effect at the time service was ordered.

- (3) When Rating Service is ordered, the customer shall furnish the Telephone Company an estimate of the number of messages to be rated monthly.

When Bill Processing Service is ordered, the customer shall furnish the Telephone Company an estimate of the number of messages for which billing is to be provided each month.

- (4) The customer shall furnish all information necessary for the Telephone Company to provide the Bill Processing Service including a statement which identifies all taxes which should be applied to the customer's services.

- (5) The customer shall furnish a written schedule of its rates and charges in sufficient time to allow the Telephone Company to establish a rating program. The interval required to establish a rating program must be mutually agreeable to the Telephone Company and the customer.

ACCESS SERVICE TARIFF

8. Billing and Collection Services (Cont'd)

8.2 Billing Service (Cont'd)

8.2.4 Obligation of the Customer (Cont'd)

(A) Rating Service and Bill Processing Service (Cont'd)

- (6) When the customer orders Bill Processing Service, the Telephone Company will be provided written instructions for the handling of end user questions about bills.

Credit Adjustments to end user accounts will be made subject to the written procedures provided by the customer or specific instructions of the customer which identify the date and amount of the message to be credited.

8.2.5 Payment Arrangements and Audit Provisions

(A) Audit Provisions

Audit provisions apply as specified in Section 8.1.5(A) preceding.

(B) Minimum Period

The minimum period for which Billing Service is provided and for which charges apply is one year. If service is terminated prior to the completion of the one year period, the Telephone Company will estimate the minimum charge for each rate element by determining the average usage per day for the period service was provided and multiplying the amount by the number of days remaining in the minimum period.

If the rates for billing service are increased during the period for which service is ordered, the customer may, upon 30 days written notice to the Telephone Company, cancel service effective on the billing service rates change without incurring cancellation charges. If timely notice of cancellation is not received, the existing minimum period will not be effected by the rate change.

ACCESS SERVICE TARIFF

8. Billing and Collection Services (Cont'd)

8.2 Billing Service (Cont'd)

8.2.5 Payment Arrangements and Audit Provisions (Cont'd)

(C) Cancellation of an Order for Service

A customer may cancel an order for Billing Service on any date prior to the service date. If verbal notice of the cancellation is given, the verbal notice must be followed by written confirmation within ten (10) days. The service date for Billing Service is the date the customer requests that the service start. A charge equal to all program development costs and any nonrecoverable capital costs incurred by the Telephone Company will apply to the customer.

(D) Changes to Special Orders

When a customer requests changes to a pending order for Billing Service, and the change can be accommodated by the Telephone Company, the requested change will be made. A charge equal to any costs incurred by the Telephone Company because of the change will apply.

8.2.6 Rate Regulations

(A) When message detail is entered on a data file to be provided to a customer, the per file charge applies for each data file prepared and per record charge applies for each record processed. Each message is considered a record. (C)

(B) The basic per hour rate and the premium per hour rate for program development is for the use of one hour of one programmer's time. Premium rates apply when program development is performed outside normally scheduled working hours. (C)

ACCESS SERVICE TARIFF

8. Billing and Collection Services (Cont'd)

8.2 Billing Service (Cont'd)

8.2.6 Rate Regulations (Cont'd)

(B) (Cont'd)

The Telephone Company will keep a count of the hours and fractional hours used to provide program development. The hours for each service ordered will be summed and then rounded to the nearest hour with a minimum charge of one hour. The customer will be billed in accordance with these records.

(C) The rates charged for the services provided under this tariff will be those in effect at the time service is provided.

8.2.7 Rates and Charges

	<u>RATES</u>	
(1) Rating Service, per message	\$0.0150	
(2) Bill Processing Svc., per message	\$0.0397	
(3) Special Billing Service, per bill	\$2.00	
(4) Data Transmission, per message	\$0.009	
(5) Provision of Sample Message Data, per record extracted	\$0.0160	
(6) Program Development Basic per hour	\$60.00	
Premium per hour	\$85.00	
(7) Data Files, Per File	\$45.00	(C)



ACCESS SERVICE TARIFF

9. Additional Engineering, Additional Labor and Miscellaneous Services

In this section, normally scheduled working hours are an employee's scheduled work period on any given business day which total eight (8) hours.

9.1 Additional Engineering

Additional Engineering will be provided by the Telephone Company at the request of the customer 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 6.6.7 and 7.1.2 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 7.2 preceding.

The Telephone Company will notify the customer that additional engineering charges will apply before any additional engineering is undertaken.

9.1.1 Charges for Additional Engineering

The charges for additional Engineering are as follows:

<u>Additional Engineering Periods</u>	<u>1/2 Hour or Fraction Thereof</u>
Basic Time, normally scheduled working hours, per engineer	\$13.00

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9. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

9.1 Additional Engineering (Cont'd)

9.1.1 Charges for Additional Engineering (Cont'd)

<u>Additional Engineering Periods</u>	<u>1/2 Hour or Fraction Thereof</u>
overtime, outside normally scheduled working hours, per engineer	\$19.50

9.2 Additional Labor

Additional labor is that labor requested by the customer on a given service and agreed to by the Telephone Company. The Telephone Company will notify the customer that additional labor charges will apply before any additional labor is undertaken. Additional labor charges apply to the services described in Sections 9.2.1 through 9.2.6

9.2.1 Overtime Installation

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

9.2.2 Overtime Repair

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

9.2.3 Stand by

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

ACCESS SERVICE TARIFF

9. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

9.2 Additional Labor (Cont'd)

9.2.4 Testing and Maintenance with Other Telephone Companies

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

9.2.5 Testing Services

Testing Services other than those described in other parts of this tariff will be provided at the hourly rates described if requested by the customer. Testing will be provided subject to the availability of equipment and qualified personnel.

9.2.6 Other Labor

Other Labor is that additional labor incurred to accommodate a specific customer request that involves labor which is not covered by any other section of this tariff. It also covers additional labor necessary to meet customer requests as described in Section 5.

9.2.7 Charges for Additional Labor

The charges for additional labor are as follows:

<u>Additional Labor Periods</u>	<u>1/2 Hour or Fraction Thereof</u>
Basic time, normally scheduled working hours, per technician	\$13.00

ACCESS SERVICE TARIFF

9. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

9.2 Additional Labor (Cont'd)

9.2.7 Charges for Additional Labor (Cont'd)

<u>Additional Labor Periods</u>	<u>1/2 Hour or Fraction Thereof</u>
Overtime, outside of normally scheduled working hours, per technician	\$19.50*

\* 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.

9.3 Miscellaneous Services

9.3.1 Maintenance of Service

(A) When a customer reports a trouble to the Telephone Company for clearance and the trouble is not in the Telephone Company's facilities, the customer shall be responsible for payment of a Maintenance of Service charge for the period of time from when Telephone Company personnel are dispatched to the customer's premises to when the work is completed.

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

<u>Maintenance of Service Periods</u>	<u>1/2 Hour or Fraction Thereof</u>
Basic Time, normally scheduled working hours, per technician	\$13.00

ACCESS SERVICE TARIFF

9. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

9.3 Miscellaneous Services (Cont'd)

9.3.1 Maintenance of Service (Cont'd)

Maintenance of Service  
Periods

Overtime, outside of  
normally scheduled  
working hours,  
per technician

1/2 Hour or  
Fraction  
Thereof

\$19.50\*

\* 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.

9.3.2 Presubscription

(A) Presubscription is the process by which end user customers may select and designate to the Telephone Company an Interexchange Carrier (IC) to access, without an access code, for interLATA or intraLATA calls. This is referred to as the end user's predesignated IC (PIC).

A customer's initial presubscription selection is free of charge for changes made prior to October 18, 1997.

After the end user's initial selection of a PIC or the designation that they do not want to presubscribe to any IC, for any change in selection after conversion to Equal Access in the serving end office, a nonrecurring charge applies. See 9.3.2(B) following.

(B) Nonrecurring Charges  
PIC Change Charge

\$5.00

When interLATA and intraLATA changes are made simultaneously only one PIC change charge applies.

9.3.3. Equal Access Recovery Charge

(A) The Equal Access Recovery Charge (EARC) is a charge assessed to recover the Telephone Company's costs associated with implementing IntraLATA Presubscription. The EARC is a per minute of use charge applied to all originating intraLATA switched access minutes generated on lines that are presubscribed for intraLATA toll service. The EARC is effective for a two year period after the implementation of the Charge.

(B) Rates  
Per minute of Use

\$.000472

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ACCESS SERVICE TARIFF

10. Special Construction

10.1 General

This section address special construction of Telephone Company facilities which are used to provide services offered under this tariff.

When special construction is required as described in 10.2 following, the provisions of this section apply in addition to regulations, rates, and charges set forth in other sections of this tariff.

Regulations and rates will be added to this tariff for each specific application of Special Construction. The customer will provide written authorization to the Telephone Company prior to the commencement of any Special Construction.

10.2 Conditions Requiring Special Construction

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

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

ACCESS SERVICE TARIFF

11. Interface Groups, Transmission Specifications and Channel Interfaces

11.1 Local Transport Interface Groups

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

Only certain premises interfaces are available at the customer designated 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 11.1.1 following.

11.1.1 Interface Group 1

Interface Group 1, except as set forth in the following, provides two-wire 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 FGC when the first point of switching is an access tandem. In addition, Interface Group 1 is not provided in association with FGC when the first point of switching provides only four-wire terminations.

The transmission path between the point of termination at the customer designated 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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11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.1 Local Transport Interface Groups (Cont'd)

11.1.1 Interface Group 1 (Cont'd)

The interface is provided with loop supervisory signaling. When the interface is associated with FGC, such signaling, except for two-way calling which is E&M signaling, will be reverse battery signaling.

11.1.2 Interface Group 2

Interface Group 2 provides four-wire voice frequency transmission at the point of termination at the customer designated 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 the point of termination at the customer designated 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 FGC, such signaling, except for two-way calling which is E&M signaling, will be reverse battery signaling.

11.1.3 Interface Group 3

Interface Group 3 provides group level analog transmission at the point of termination at the customer designated premises. The interface is capable of transmitting electrical signals between the frequencies of 60 to 108 kHz, with the capability to channelize up to 12 voice



ACCESS SERVICE TARIFF

11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.1 Local Transport Interface Groups (Cont'd)

11.1.3 Interface Group 3 (Cont'd)

frequency transmission paths. Certain frequencies within the bandwidth of the Interface Group are reserved for Telephone Company use, e.g., pilot and carrier group alarm tones. Before the first point of switching, the Telephone Company will provide multiplex equipment to derive 12 transmission paths of frequency bandwidth of approximately 300 to 3000 Hz.

The interface is provided with individual transmission path SF supervisory signaling.

11.1.4 Interface Group 4

Interface Group 4 provides supergroup level analog transmission at the point of termination at the customer designated premises. The interface is capable of transmitting electrical signals between the frequencies of 312 to 552 kHz, with the capability to channelize up to 60 voice frequency transmission paths. Certain frequencies within the bandwidth of the Interface Group are reserved for Telephone Company use, e.g., pilot and carrier group alarm tones. Before the first point of switching, the Telephone Company will provide multiplex and channel bank equipment to derive 60 transmission paths of frequency bandwidth of approximately 300- 3000 Hz.

The interface is provided with individual transmission path SF supervisory signaling.

11.1.5 Interface Group 5

Interface Group 5 provides mastergroup level analog transmission at the point of termination at the customer designated premises. The

ACCESS SERVICE TARIFF

11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.1 Local Transport Interface Groups (Cont'd)

11.1.5 Interface Group 5 (Cont'd)

interface is capable of transmitting electrical signals between the frequencies of 564 to 3084 kHz, with the capability to channelize up to 600 voice frequency transmission paths. Certain frequencies within the bandwidth of the Interface Group are reserved for Telephone Company use, e.g., pilot and carrier group alarm tones. Before the first point of switching, the Telephone Company will provide multiplex and channel bank equipment to derive 600 transmission paths of frequency bandwidth of approximately 300 to 3000 Hz.

The interface is provided with individual transmission path SF supervisory signaling.

11.1.6 Interface Group 6

Interface Group 6 provides DS1 level digital transmission at the point of termination at the customer designate 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 multiples 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.

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11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.1 Local Transport Interface Groups (Cont'd)

11.1.7 Interface Group 7

Interface Group 7 provides DS1C level digital transmission at the point of termination at the customer designated premises. The interface is capable of transmitting electrical signals at a nominal 3.152 Mbps, with the capability to channelize up to 48 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 48 voice frequency transmission paths with a frequency bandwidth of approximately 300 to 3000 Hz. When digital switching or analog switching with digital carrier terminations is provided, the Telephone Company will provide, at the first point of switching, DS1 signals in D3/D4 format.

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

11.1.8 Interface Group 8

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

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11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.1 Local Transport Interface Groups (Cont'd)

11.1.8 Interface Group 8 (Cont'd)

The interface is provided with individual transmission path bit stream supervisory signaling.

11.1.9 Interface Group 9

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

The interface is provided with individual transmission path bit stream supervisory signaling.

11.1.10 Interface Group 10

Interface Group 10 provides DS4 level digital transmission at the point of termination at the customer designated premises. The interface is capable of transmitting electrical signals at a nominal 274.176 Mbps, with the capability to channelize up to 4032 voice frequency transmission paths. Before the first point of switching, when analog switching utilizing analog

ACCESS SERVICE TARIFF

11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.1 Local Transport Interface Groups (Cont'd)

11.1.10 Interface Group 10 (Cont'd)

terminations is provided, the Telephone Company will provide multiplex and channel bank equipment to derive up to 4032 transmission paths with a frequency bandwidth of approximately 300 to 3000 Hz. When digital switching or analog switching with digital carrier terminations is provided, the Telephone Company will provide, at the first point of switching, DS1 signals in D3/D4 format. The interface is provided with individual transmission path bit stream supervisory signaling.

11.1.11 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. For explanations of these codes, see the Glossary of Channel Interface Codes in 11.3 following.

<u>Interface Group</u>	<u>Telephone Company Switch Supervisory Signaling</u>	<u>Premises Interface Code</u>	<u>Feature Group C</u>
1	RV, EA, EB, EC	2DX3	X
	RV, EA, EB, EC	4EA3-E	X
	RV, EA, EB, EC	4EA3-M	X
	RV, EA, EB, EC	6EB3-E	X
	RV, EA, EB, EC	6EB3-M	X
	EA, EB, EC	6EC3	X
	RV	2RV3-O	X
	RV	2RV3-T	X

ACCESS SERVICE TARIFF

11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.1 Local Transport Interface Groups (Cont'd)

11.1.11 Available Premises Interface Codes (Cont'd)

<u>Interface Group</u>	<u>Telephone Company Switch Supervisory Signaling</u>	<u>Premises Interface Code</u>	<u>Feature Group C</u>
2	RV, EA, EB, EC	4SF2	X
	RV, EA, EB, EC	4DX2	X
	RV, EA, EB, EC	6DX2	X
	RV, EA, EB, EC	6EA2-E	X
	RV, EA, EB, EC	6EA2-M	X
	RV, EA, EB, EC	8BE2-E	X
	RV, EA, EB, EC	8BE2-M	X
	EA, EB, EC	8EC2-M	X
	RV	4RV2-O	X
	RV	4RV2-T	X
	RV	4RV3-O	X
	RV	4RV3-T	X
	3	RV, EA, EB, EC	4AH5-B
4	RV, EA, EB, EC	4AH6-C	X
5	RV, EA, EB, EC	4AH6-D	X
6	RV, EA, EB, EC	4DS9-15	X
	RV, EA, EB, EC	4DS9-15L	X
7	RV, EA, EB, EC	4DS9-31	X
	RV, EA, EB, EC	4DS9-31L	X

ACCESS SERVICE TARIFF

11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.1 Local Transport Interface Groups (Cont'd)

11.1.11 Available Premises Interface Codes (Cont'd)

<u>Interface Group</u>	<u>Telephone Company Switch Supervisory Signaling</u>	<u>Premises Interface Code</u>	<u>Feature Group C</u>
8	RV, EA, EB, EC	4DS0-63	X
	RV, EA, EB, EC	4DS0-63L	X
9	RV, EA, EB, EC	4DS6-44	X
	RV, EA, EB, EC	4DS6-44L	X
10	RV, EA, EB, EC	4DS6-27	X
	RV, EA, EB, EC	4DS6-27L	X

11.1.12 Supervisory Signaling

- 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  
Tandem Supervisory Signaling
- For Interface Groups 6 through 10

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.

ACCESS SERVICE TARIFF

11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.2 Transmission Specifications Switched Access Service

11.2.1 Standard Transmission Specifications

Following are descriptions of the two Standard Transmission Specifications available with Switched Access Service Feature Group C. The specific applications in terms of Feature Group C and Interface Groups with which the Feature Group Standard Transmission Specifications are provided are set forth in 6.5 preceding.

(A) Type B Transmission Specifications

Type B Transmission Specifications are 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  $\pm 2.0$  dB.

(2) Attenuation Distortion

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

(3) C-Message Noise

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



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11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.2 Transmission Specifications Switched Access Service (Cont'd)

11.2.1 Standard Transmission Specifications (Cont'd)

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

(3) C-Message Noise (Cont'd)

<u>Route Miles</u>	<u>C-Message Noise Type B2</u>
less than 50	35 dBrnCO
51 to 100	37 dBrnCO
101 to 200	40 dBrnCO
201 to 400	43 dBrnCO
401 to 1000	45 dBrnCO

(4) C-Notch Noise

The maximum C-Notch Noise, utilizing a -16 dBm0 holding tone is less than or equal to 47 dBrnCO.

(5) Echo Control

Echo Control, identified as Equal Level Echo Path Loss for FGC 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:

ACCESS SERVICE TARIFF

11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.2 Transmission Specifications Switched Access Service (Cont'd)

11.2.1 Standard Transmission Specifications (Cont'd)

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

(5) Echo Control (Cont'd)

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

(6) Standard Return Loss

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

ACCESS SERVICE TARIFF

11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.2 Transmission Specifications Switched Access Service (Cont'd)

11.2.1 Standard Transmission Specifications (Cont'd)

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

(6) Standard Return Loss (Cont'd)

Echo Return Loss

Singing Return Loss

5 dB

2.5 dB

(B) Type C Transmission Specifications

Type C Transmission Specifications are 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 plus or minus 3.0 dB.

(2) Attenuation Distortion

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

(3) C-Message Noise

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

<u>Route Miles</u>	<u>C-Message Noise Type C2</u>
less than 50	38 dBmCO
51 to 100	39 dBmCO
101 to 200	41 dBmCO
201 to 400	43 dBmCO
401 to 1000	45 dBmCO

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11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.2 Transmission Specifications Switched Access Service (Cont'd)

11.2.1 Standard Transmission Specifications (Cont'd)

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

(4) C-Notch Noise

The maximum C-Notch Noise utilizing a -16 dMm0 holding tone is less than or equal to 47 dBrnCO.

(5) Echo Control

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

	<u>Echo Return Loss</u>	<u>Singing Return Loss</u>
POT to Access Tandem	13 dB	6 dB
Pot to End Office - Direct	13 dB	6 dB

11.2.2 Data Transmission Parameters

Two types of Data Transmission Parameters, i.e., Type DA and Type DB, are provided for Feature Group C arrangements. The specific applications in terms of the Feature Groups with which they are provided are set forth in 6.5 preceding. Following are descriptions of each.

ACCESS SERVICE TARIFF

11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.2 Transmission Specifications Switched Access Service (Cont'd)

11.2.2 Data Transmission Parameters (Cont'd)

(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 2808 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

(3) Impulse Noise Counts

The Impulse Noise Counts exceeding a 65 dB<sub>rnCO</sub> 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

ACCESS SERVICE TARIFF

11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.2 Transmission Specifications Switched Access Service (Cont'd)

11.2.2 Data Transmission Parameters (Cont'd)

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

(5) Phase Jitter

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

(2) Envelope Delay Distortion

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

<u>604 to 2808 Hz</u>	
Less than 50 route miles	800 microseconds
equal to or greater than 50 route miles	1000 microseconds

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

ACCESS SERVICE TARIFF

11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.2 Transmission Specifications Switched Access Service (Cont'd)

11.2.2 Data Transmission Parameters (Cont'd)

(B) Data Transmission Parameters Type DB (Cont'd)

(3) Impulse Noise Counts

The Impulse Noise Counts exceeding a 67 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)	31 dB
Third Order (R3)	34 dB

(5) Phase Jitter

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

(6) Frequency Shift

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

11.3 Special Access Channel Interface and Network Channel Codes

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

ACCESS SERVICE TARIFF

11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.3 Special Access Channel Interface and Network Channel Codes (Cont'd)

Example: If the customer specifies a NT Network Channel code and a 2DC8-3 Channel Interface at the customer's premises, the following is being requested:

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

11.3.1 Glossary of Channel Interface Codes and Options

<u>Code</u>	<u>Option</u>	<u>Definition</u>
AB	-	accepts 20 Hz ringing signal at customer's point of termination
AC	-	accepts 20 Hz ringing signal at customer's end user's point of termination
CT	-	Centrex Tie Trunk Termination
DA	-	data stream is VF frequency band at customer's end user's point of termination
DB	-	data stream is VF frequency band at customer's point of termination
	- 10	VF for TG1 and TG2
	- 43	VF for 43 Telegraph Carrier type signals, TG1 and TG2
DC	-	direct current or voltage
	- 1	monitoring interface with services RC combination (McCulloh format)
	- 2	Telephone Company energized alarm channel
	- 3	Metallic facilities (DC continuity) for direct current/low frequency control signals or slow speed data (30 baud)



ACCESS SERVICE TARIFF

11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.3 Special Access Channel Interface and Network Channel Codes (Cont'd)

11.3.1 Glossary of Channel Interface Codes and Options (Cont'd)

<u>Code</u>	<u>Option</u>	<u>Definition</u>
DD	-	DATAPHONE Select-A-Station (and TABS) interface at customer's point of termination
DE	-	DATAPHONE Select-A-Station (and TABS) interface at customer's end user's point of termination
DS	-	digital hierarchy interface
	- 15	1.544 Mbps (DS1) format per PUB 41451 plus D4
	- 15E	8-bit PCM encoded in one 64 kbps of the DS1 signal
	- 15F	8-bit PCM encoded in two 64 kbps of the DS1 signal
	- 15G	8-bit PCM encoded in three 64 kbps of the DS1 signal
	- 15H	14/11-bit PCM encoded in six 64 kbps of the DS1 signal
	- 15J	1.544 Mbps format per PUB 41451
	- 15K	1.544 Mbps format per PUB 41451 plus extended framing format
	- 15L	1.544 Mbps (DS1) with SF signaling
	- 27	274.176 Mbps (DS4)
	- 27L	274.176 Mbps (DS4) with SF signaling
	- 31	3.152 Mbps (DS1C)
	- 31L	3.152 Mbps (DS1C) with SF signaling
	- 44	44.736 Mbps (DS3)
	- 44L	44.736 Mbps (DS3) with SF signaling
	- 63	6.312 Mbps
	- 63L	6.312 Mbps with SF signaling
DU	-	Digital access interface
	- 24	2.4 kbps

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11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.3 Special Access Channel Interface and Network Channel Codes (Cont'd)

11.3.1 Glossary of Channel Interface Codes and Options (Cont'd)

<u>Code</u>	<u>Option</u>	<u>Definition</u>
DU	- 48	4.8 kbps
	- 56	56 kbps
	- 96	9.6 kbps
	- A	1.544 Mbps format per PUB 4151
	- B	1.544 Mbps format per PUB 4151 plus D4
	- C	1.544 Mbps format per PUB 4151 plus extended framing format
DX	-	duplex signaling interface at customer's point of termination
DY	-	duplex signaling interface at customer's end user's point of termination
EA	- E	Type I E&M Lead Signaling. Customer at POT or customer's end user at POT originates on E Lead
EA	- M	Type I E&M Lead Signaling. Customer at POT or customer's end user at POT originates on M Lead
EB	- E	Type II E&M Lead Signaling. Customer at POT or customer's end user at POT originates on E Lead
EB	- M	Type II E&M Lead Signaling. Customer at POT or customer's end user at POT originates on M Lead
EC	-	Type III E&M Lead Signaling at Customer at POT
EX	- A	tandem channel unit signaling for loop start or ground start and customer supplies open end (dial tone, etc.) functions.
EX	- B	tandem channel unit signaling for loop start or ground start and customer supplies closed end (dial pulsing, etc.) functions.
GO	-	ground start loop signaling - open end function by customer or customer's end user.

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11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.3 Special Access Channel Interface and Network Channel Codes (Cont'd)

11.3.1 Glossary of Channel Interface Codes and Options (Cont'd)

<u>Code</u>	<u>Option</u>	<u>Definition</u>
GS	-	Ground Start loop signaling - closed end function by customer or customer's end user
IA	-	E.I.A. (25 pin RS-232)
LA	-	end user loop start signaling - Type A OPS registered port open end.
LB	-	end user loop start signaling - Type B OPS registered port open end.
LC	-	end user loop start signaling - Type C OPS registered port open end.
LO	-	loop start loop signaling - open end function by customer or customer's end user.
LR	-	20 Hz automatic ringdown interface at customer with Telephone Company provided PLAR.
LS	-	loop start loop signaling - closed end function by customer or customer's end user
NO	-	no signaling interface, transmission only.
PG	-	program transmission - no dc signaling.
	- 1	nominal frequency from 50 to 15000 Hz.
	- 3	nominal frequency from 200 to 3500 Hz.
	- 5	nominal frequency from 100 to 5000 Hz.
	- 8	nominal frequency from 50 to 8000 Hz.
PR	-	protective relaying*

\* 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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11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.3 Special Access Channel Interface and Network Channel Codes (Cont'd)

11.3.1 Glossary of Channel Interface Codes and Options (Cont'd)

<u>Code</u>	<u>Option</u>	<u>Definition</u>
RV	- 0	reverse battery signaling, one way
	- T	reverse batter signaling, one way operation, terminate function by customer or customer's end user.
SF	-	single frequency signaling with VF band at either customer POT or customer's end user POT.
TF	-	telephotograph interface
TT	-	telegraph/teletypewriter interface at either customer POT or customer's end user POT
	- 2	20.0 milliamperes
	- 3	3.0 milliamperes
	- 6	62.5 milliamperes
TV	-	television interface
	- 1	combined (diplexed) video and one audio signal.
	- 2	combined (diplexed) video and two audio signals.
	- 5	video plus one (or two) audio 5 kHz signal(s) or one (or two) two-wire.
	- 15	video plays one (or two) audio 15 kHz signal(s).

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11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.3 Special Access Channel Interface and Network Channel Codes (Cont'd)

11.3.2 Impedance

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

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

- + For those interface codes with a 4-wire transmission path at the customer 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.

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11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.3 Special Access Channel Interface and Network Channel Codes (Cont'd)

11.3.3 Digital Hierarchy Channel Interface Codes (4DS)

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

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

11.3.4 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, MT2, etc.) and the network channel codes that are used for:

<u>Service Designator Code</u>	<u>Network Channel Code</u>
MTC	MQ
MT1	NT
MT2	NU
MT3	NV
TGC	NQ
TG1	NW
TG2	NY
VGC	LQ
VG1	LB

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11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.3 Special Access Channel Interface and Network Channel Codes (Cont'd)

11.3.4 Service Designator/Network Channel Code Conversion Table (Cont'd)

<u>Service Designator Code</u>	<u>Network Channel Code</u>
VG2	LC
VG3	LD
VG4	LE
VG5	LF
VG6	LG
VG7	LH
VG8	LJ
VG9	LK
VG10	LN
VG11	LP
VG12	LR
APC	PQ
AP1	PE
AP2	PF
AP3	PJ
AP4	PK
TVC	TQ
TV1	TV
TV2	TW
DA1	XA
DA2	XB
DA3	XG
DA4	XH
HCO	HS
HC1	HC
HC1C	HD
HC2	HE
HC3	HF
HC4	HG

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11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.3 Special Access Channel Interface and Network Channel Codes (Cont'd)

11.3.5 Compatible Channel Interfaces

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

(A) Metallic <sup>[1]</sup>

(C)

Compatible CIs

2DC8-1	2DC8-2
2DC8-3	2DC8-3
4DS8-*	2DC8-1
4DS8-*	2DC8-2

\* See 11.3.3 preceding for explanation.

<sup>[1]</sup> **Effective November 10, 2021, Metallic Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.**

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11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.3 Special Access Channel Interface and Network Channel Codes (Cont'd)

11.3.5 Compatible Channel Interfaces (Cont'd)

(B) Voice Grade <sup>[1]</sup>

(C)

<u>Compatible CIs</u>		<u>Compatible CIs</u>		<u>Compatible CIs</u>	
2AB2	2AC2	2DB2	2DA2	2LR2	2LR2
2AB3	2AC2	2DB3	2DA2	2LR3	2LR2
2CT3	2DY2	2DX3	2LA2	2LS2	2LA2
	4DS8*		2LB2		2LB2
	4DX2		2LC2		2LC2
	4DX3		2LO3		
	4DY2		2LS2	2LS3	2LA2
	4EA2-E		2LS3		2LB2
	4EA2-M				2LC2
	4SF2	2GO2	2GS2		
	4SF3		2GS3	2NO2	2DA2
	6DX2				2NO2
	6DY2	2GO3	2GS2		
	6DY3		2GS3	2NO3	2NO2
	6EA2-E				2PR2
	6EA2-M	2LO2	2LS2		
	6EB2-E		2LS3	2TF3	2TF2
	6EB2-M				
	6EB3-E	2LO3	2LS2		
	8EB2-E		2LS3		
	8EB2-M				
	8EC2				
	9DY2				
	9DY3				
	9EA2				
	9EA3				

\* See 11.3.3 preceding for explanation.

<sup>[1]</sup> **Effective November 10, 2021, Voice Grade Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.**

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11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.3 Special Access Channel Interface and Network Channel Codes (Cont'd)

11.3.5 Compatible Channel Interfaces (Cont'd)

(B) Voice Grade<sup>[1]</sup> (Cont'd)

(C)

Compatible CIs

4AB2      2AC2  
             4AB2  
             4AC2  
             4SF2

4AB3      2AC2  
             4AC2  
             4SF2

4AC2      2AC2  
             4AC2

<sup>[1]</sup> **Effective November 10, 2021, Voice Grade Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.**

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11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.3 Special Access Channel Interface and Network Channel Codes (Cont'd)

11.3.5 Compatible Channel Interfaces (Cont'd)

(B) Voice Grade<sup>[1]</sup> (Cont'd)

(C)

<u>Compatible Cis</u>		<u>Compatible Cis</u>		<u>Compatible Cis</u>	
		4DS8-*	2AC2	4DS8-*	4DG2
			2DA2		4LR2
			2DY2		4LS2
			2GO2		4NO2
4DA2	4DA2		2GO3		4PR2
			2GS2		4RV2-T
4DB2	2DA2		2GS3		4SF2
	2NO2		2LA2		4SF3
	2PR2		2LB2		4TF2
	4DA2		2LC2		6DA2
	4DB2		2LO2		6DY2
	4NO2		2LO3		6DY3
	4PR2		2LR2		6EA2-E
	6DA2		2LS2		6EA2-M
			2LS3		6EB2-E
4DD3	2DE2		2NO2		6EB2-M
	4DE2		2PR2		6GS2
			2RV2-T		6LS2
			2TF2		8EB2-E
			4AC2		8EB2-M
			4DA2		9DY2
			4DE2		9DY3
			4DX2		9EA2
			4DX3		9EA3
			4DY2		
			4EA2-E		
			4EA2-M		

\* See 11.3.3 preceding for explanation.

<sup>[1]</sup> **Effective November 10, 2021, Voice Grade Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.**

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11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.3 Special Access Channel Interface and Network Channel Codes (Cont'd)

11.3.5 Compatible Channel Interfaces (Cont'd)

(B) Voice Grade<sup>[1]</sup> (Cont'd)

(C)

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

<sup>[1]</sup> **Effective November 10, 2021, Voice Grade Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.**

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11.3 Special Access Channel Interface and Network Channel Codes (Cont'd)

11.3.5 Compatible Channel Interfaces (Cont'd)

(B) Voice Grade<sup>[1]</sup> (Cont'd)

(C)

<u>Compatible CIs</u>		<u>Compatible CIs</u>		<u>Compatible CIs</u>	
4EA2-E	2DY2	4EA3-E	2DY2	4GO2	2GO2
	4DY2		4DY2		2GO3
	4EA2-E		4EA2-E		2GS2
	4EA2-M		4EA2-M		2GS3
	4SF2		4SF2		4GS2
	6DY2		6DY2		4SF2
	6DY3		6DY3		6GS2
	6EB2-E		6EA2-E		
	6EB2-M		6EA2-M		4GO3
	8EB2-E		6EB2-E	2GS2	
	8EB2-M		6EB2-M	2GS3	
	9DY2		8EB2-E	4GS2	
	9DY3		9EB2-M	4SF2	
			9DY2	6GS2	
			9DY3		
	4EA2-M		2DY2		
4DY2					
4EA2-M		9EA2			
4SF2		9EA3			
6DY2					
6DY3					
6EB2-E					
6EB2-M					
8EB2-E					
8EB2-M					
9DY2					
9DY3					

<sup>[1]</sup> **Effective November 10, 2021, Voice Grade Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.**

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11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.3 Special Access Channel Interface and Network Channel Codes (Cont'd)

11.3.5 Compatible Channel Interfaces (Cont'd)

(B) Voice Grade <sup>[1]</sup> (Cont'd)

(C)

<u>Compatible CIs</u>		<u>Compatible CIs</u>		<u>Compatible CIs</u>	
4LO2	2LS2	4LS3	2LA2	4SF2	2LO3
	2LS3		2LB2		2LR2
	4LS2		2LC2		2LS2
	4SF2		2LO2		2LS3
	6LS2		2LO3		2RV2-T
			4SF2		4AC2
4LO3	2LS2				4DY2
	2LS3	4NO2	2DA2		4LS2
	4LS2		2DE2		4RV2-T
	4SF2		2NO2		4SF2
	6LS2		4DA2		6DY2
			4DE2		6DY3
4LR2	2LR2		4NO2		6GS2
	4LR2		6DA2		9DY2
	4SF2				9DY3
		4RV2-0	2RV2-T		
4LR3	2LR2		4RV2-T	4SF3	2DY2
	4LR2		4SF2		2GO3
	4SF2				2GS2
		4SF2	2AC2		2GS3
4LS2	2LA2		2DY2		2LA2
	2LB2		2GS2		2LB2
	2LC2		2GS3		2LC2
	2LO2		2LA2		2LO3
	2LO3		2BL2		2LR2
			2LC2		

<sup>[1]</sup> **Effective November 10, 2021, Voice Grade Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.**

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11.3 Special Access Channel Interface and Network Channel Codes (Cont'd)

11.3.5 Compatible Channel Interfaces (Cont'd)

(B) Voice Grade <sup>[1]</sup> (Cont'd)

(C)

<u>Compatible CIs</u>		<u>Compatible CIs</u>		<u>Compatible CIs</u>	
4SF3	2LS2	6DA	4DA2	6DY3	2DY2
	2LS3		6DA2		4DY2
	2RV2-T				6DY2
	4DY2	6DX2	2DY2		6DY3
	4EA2-E		4DY2		
	4EA2-M		4EA2-E	6EA2-E	2AC2
	4GS2				
	4LR2		4EA2-M		2DY2
	4LS2		4SF2		2LA2
	4RV2-T		6DY2		2LB2
	4SF2		6DY3		2LC2
	4SF3		6EA2-E		2LO3
	6DY2		6EA2-M		2LS2
	6DY3		6EB2-E		2LS3
	6EB2-E		6EB2-M		2RV2-T
	6EB2-M		8EB2-E		4AC2
	6GS2		8EB2-M		4DY2
	6LS2		9DY2		4EA2-E
	9DY2		9DY3		4EA2-M
	9DY3		9EA2		4LS2
	9EA2		9EA3		4RV2-T
	9EA3				4SF2
		6DY2	2DY2		4SF3
4TF2	2TF2		4DY2		6DY2
	4TF2		6DY2		6DY3
					6EA2-E
					6EA2-M

<sup>[1]</sup> **Effective November 10, 2021, Voice Grade Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.**

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11.3 Special Access Channel Interface and Network Channel Codes (Cont'd)

11.3.5 Compatible Channel Interfaces (Cont'd)

(B) Voice Grade <sup>[1]</sup> (Cont'd)

(C)

<u>Compatible Cis</u>		<u>Compatible Cis</u>		<u>Compatible Cis</u>	
6EA2-E	6EB2-E	6EA2-M	6DY2	6EB3-E	2DY2
	6EB2-M		6DY3		4DY2
	6LS2		6EA2-M		4EA2-E
	8EB2-E		6EB2-E		4EA2-M
	8EB2-M		6EB2-M		4SF2
	9DY2		6LS2		6DY2
	9DY3		8EB2-E		6DY3
			8EB2-M		6EA2-E
6EA2-M	2AC2		9DY2		6EA2-M
	2DY2		9DY3		8EB2-E
	2LA2				8EB2-M
	2LB2	6EB2-E	2DY2		9DY2
	2LC2		4DY2		9DY3
	2LO3		4SF2		9EA2
	2LS2		6DY2		9EA3
	2LS3		6DY3		
	2RV2-T		6EB2-E	6EX2-A	2GS2
	4AC2		6EB2-M		2GS3
	4DY2		9DY2		2LS2
	4EA2-E		9DY3		2LS3
	4EA2-M				4GS2
	4LS2	6EB2-M	2DY2		4LS2
	4RV2-T		4DY2		4SF2
	4SF2		4SF2		6GS2
	4SF3		6DY2		6LS2
			6DY3		
			6EB2-M		
			9DY2		
			9DY3		

<sup>[1]</sup> **Effective November 10, 2021, Voice Grade Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.**

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11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.3 Special Access Channel Interface and Network Channel Codes (Cont'd)

11.3.5 Compatible Channel Interfaces (Cont'd)

(B) Voice Grade<sup>[1]</sup> (Cont'd)

(C)

<u>Compatible Cis</u>		<u>Compatible Cis</u>		<u>Compatible Cis</u>	
6EX2-B	2GO3	8EB2-E	2AC2	8EB2-M	2AC2
	2LA2		2DY2		2DY2
	2LB2		2LA2		2LA2
	2LC2		2LB2		2LB2
	2LO2		2LC2		2LC2
	2LO3		2LO3		2LO3
	2LR2		2LS2		2LS2
	4LR2		2LS3		2LS3
	4SF2		2RV2-T		2RV2-T
			4AC2		4AC2
			4DY2		4DY2
6GO2	2GO2	4RV2-T	4LS2	4RV2-T	4LS2
	2GS2		4SF2		4SF2
	2GS3		4SF3		4SF3
	4GS2		6DY2		6DY2
	4SF2		6DY3		6DY3
	6GS2		6EB2-E		6EB2-E
			6EB2-M		6EB2-M
6LO2	2LS2	8EB2-E	6LS2	8EB2-M	6LS2
	2LS3		8EB2-E		8EB2-M
	4LS2		8EB2-M		9DY2
	4SF2		9DY2		9DY3
	6LS2		9DY3		
6LS2	2LA2				
	2LB2				
	2LC2				
	2LO2				
	2LO3				
	4SF2				

<sup>[1]</sup> **Effective November 10, 2021, Voice Grade Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.**

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11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.3 Special Access Channel Interface and Network Channel Codes (Cont'd)

11.3.5 Compatible Channel Interfaces (Cont'd)

(B) Voice Grade <sup>[1]</sup> (Cont'd)

(C)

<u>Compatible CIs</u>		<u>Compatible CIs</u>		<u>Compatible CIs</u>	
8EC2	2DY2	9DY2	2DY2	9EA3	2DY2
	4DY2		4DY2		4DY2
	4EA2-E		6DY2		4EA2-E
	4EA2-M		6DY3		4EA2-M
	4SF2		9DY2		6DY2
	6DY2				6DY3
	6DY3	9DY3	2DY2		6EA2-E
	6EA2-E		4DY2		6EA2-M
	6EA2-M		6DY2		6EB2-E
	6EB2-E		6DY3		6EB2-M
	6EB2-M		9DY2		8EB2-E
	8EB2-E		9DY3		8EB2-M
	8EB2-M				9DY2
	9DY2	9EA2	2DY2		9DY3
	9DY3		4DY2		9EA3
	9EA2		4EA2-E		
	9EA3		4EA2-M		
			6DY2		
			6DY3		
			6EA2-E		
			6EA2-M		
			6EB2-E		
			6EB2-M		
			8EB2-E		
			8EB2-M		
			9DY2		
			9DY3		
			9EA2		
			9EA3		

<sup>[1]</sup> **Effective November 10, 2021, Voice Grade Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.**

(N)  
(N)

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ACCESS SERVICE TARIFF

11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.4 WATS Access Line Standard Transmission Specifications

(D)

11.4.1 Standard Two-Wire Voice Transmission Specifications

(A) Loss Deviation

The maximum Loss Deviation of the 1104 Hz loss relative to the Expected Measured Loss (EML) is plus or minus 4.0 dB.

(B) Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 2804 Hz frequency band relative to the loss at 1004 Hz in -3.0 dB to +9.0 dB.

(D) C-Message Noise

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

<u>Route Miles</u>	<u>C-Message Noise</u>
less than 50	35 dBnCO
51 to 100	37 dBnCO
101 to 200	40 dBnCO
201 to 400	43 dBnCO
401 to 1000	45 dBnCO

(D) Echo Control

Return Loss for both Echo Return Loss (ERL) and Singing Return Loss (SRL), is equal to or greater than:

ERL	6.0 dB
SRL	3.0 dB

(D)  
(D)

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11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.4 WATS Access Line Standard Transmission Specifications (Cont'd)

(D)

11.4.2 Standard Four-Wire Voice Transmission Specifications

(A) Loss Deviation

The maximum Loss Deviation of the 1104 Hz loss relative to the Expected Measured Loss (EML) is -3.0dB to + 3.0 dB.

(B) Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 2804 Hz frequency band relative to the loss at 1004 Hz in -1.0 dB to +4.5 dB.

© C-Message Noise

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

<u>Route Miles</u>	<u>C-Message Noise</u>
less than 50	35 dBnCO
51 to 100	37 dBnCO
101 to 200	40 dBnCO
201 to 400	43 dBnCO
401 to 1000	45 dBnCO

(D) Echo Control

Return Loss for both Echo Return Loss (ERL) and Singing Return Loss (SRL), is equal to or greater than:

ERL	15.0 dB
SRL	9.0 dB

(D)  
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11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.5 WATS Access Line Data Transmission Parameters

(D)

11.5.1 Signal to C-Notched Noise Ratio

The maximum Signal-to-C-Notched Noise Ratio is 30 dB.

11.5.2 Envelope Delay Distortion

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

1000 microseconds	604 to 2804 Hz
500 microseconds	1000 to 2404 Hz

11.5.3 Impulse Noise Counts

The Impulse Noise Counts exceeding a 67 dB<sub>rnCO</sub> threshold in 15 minutes is no more than 15 counts.

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

11.5.4 Phase Jitter

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

11.5.5 Frequency Shift

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

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11. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)

11.6 WATS Access Line Transmission Specifications

(D)

11.6.1 Improved Two-Wire Voice Transmission Specifications

(A) Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is -4.0 to +4.0 dB.

(B) Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 280 Hz frequency band relative to loss at 1004 Hz is -2.0 dB to +6.0 dB.

(D) C-Message Noise

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

<u>Route Miles</u>	<u>C-Message Noise</u>
less than 50	35 dBmCO
51 to 100	37 dBmCO
101 to 200	40 dBmCO
201 to 400	43 dBmCO
401 to 1000	45 dBmCO

(D) Return Loss

The Return Loss, expressed as Echo Return Loss (ERL) and Singing Return Loss (SRL), is equal to or greater than:

ERL	13.0 dB
SRL	6.0 dB

(D)  
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ACCESS SERVICE TARIFF

14. VoIP Rates and Charges

14.1 Switched Access Service

14.11 Local Transport

(A) <u>Entrance Facility</u>	<u>Monthly Rate</u>	
Per Termination		
Voice Grade 2 Wire	\$16.60	(D)
Voice Grade 4 Wire	\$26.56	(D)
High Capacity DS1	\$30.63	
High Capacity DS3	\$793.08	
OC3	\$1,696.39	
OC12	\$2,209.01	
 (B) <u>Direct Trunked Transport</u>		
<u>Direct Trunked Facility</u>		
Per Mile		
- Voice Grade	\$1.18	(D)
- High Capacity DS	\$5.95	
- High Capacity DS3	\$51.84	
- OC3	\$116.40	
- OC12	\$232.81	
 <u>Direct Trunked Termination</u>		
Per Termination		
- Voice Grade	\$11.88	(D)
- High Capacity DS1	\$5.33	
- High Capacity DS3	\$198.28	
- OC3	\$433.04	
- OC12	\$1,502.44	

(D)  
(D)

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301 Main, Suite 1200  
Baton Rouge, LA 70801

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ACCESS SERVICE TARIFF

14. VoIP Rates and Charges

14.1 Switched Access Service

14.11 Local Transport (Cont'd)

(C) Tandem Switched Transport

Rate  
Per Access Minute

Tandem Switched Facility  
Per Mile

- Originating – **Non-Toll Free\*** \$0.000155 (T)
- Terminating – 3rd Party \$0.000155
- Terminating – End Office \$0.000000

Tandem Switched Termination  
Per Termination

- Originating – **Non-Toll Free\*** \$0.000425 (T)
- Terminating – 3rd Party \$0.000425
- Terminating – End Office \$0.000000

Tandem Switching  
Per Tandem

- Originating – **Non-Toll Free\*** \$0.001968 (T)
- Terminating – 3rd Party \$0.001968
- Terminating – End Office \$0.000000

Shared Multiplexing  
*DS3 to DS1*

- *Originating – **Non-Toll Free\**** \$0.000361 (T) (M)
- *Terminating – 3rd Party* \$0.000361
- *Terminating – End Office* \$0.000000 (M)

**8YY Joint Tandem Switched Transport\***

- **Originating Toll Free** 0.001000 (N)

\* Effective July 1, 2021, pursuant to FCC 20-143, separate rate elements for Toll Free and Non-Toll Free originating transport services were established. The Non-Toll Free originating element is displayed above. The Toll Free rate element for originating transport services is displayed as 8YY Joint Tandem Switched Transport above. (N)

(M) Italicized material previously appeared on 3rd Revised Page 226.

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Chantel Bosworth, Director-Government Operations  
100 CenturyLink Drive  
Monroe, Louisiana 71203



ACCESS SERVICE TARIFF

14. VoIP Rates and Charges (Cont'd)

14.1 Switched Access Service (Cont'd)

14.1.1 Local Transport (Cont'd)

(C) Tandem Switched Transport (Cont'd)

	<u>Rate Per Query</u>
800 Data Base Access Service Queries	
- Basic	<b>\$0.0002 (R)</b>
- Vertical Feature	0.000000

(D) Optional Features

	<u>Monthly Rate</u>
(1) <u>Multiplexing</u> Per Arrangement	
DS3 to DS1	\$379.46
DS1 to Voice	\$146.50
(2) <u>Customer Node</u> Per Node	
OC3	\$393.90
OC12	\$1,137.96
(3) <u>Customer Premises Port</u>	
DS1	\$39.78
DS3	\$155.18
STS1	\$155.18
OC3	\$119.36
(4) <u>Add/Drop Multiplexing – Central Office Port</u> Per Port	
DS1	\$31.83
DS3	\$79.58
OC3	\$119.36

(M) Certain material previously appearing on this page now appears on Page 225.1.

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ACCESS SERVICE TARIFF

14. VoIP Rates and Charges (Cont'd)

14.1 Switched Access Service (Cont'd)

14.1.1 Local Transport (Cont'd)

(E) Common Channel Signaling Network Connection

(1) Signaling Network Access Link

Monthly Rate

(a) Entrance Facility  
Per Facility

\$17.59

(b) Signaling Mileage Facility  
Per Mile

\$1.18

(c) Signaling Mileage Termination  
Per Termination

\$11.88

(2) STP Port  
Per Port

\$361.53

(F) Dedicated Trunk Port – Access Tandem

(1) Voice Band

\$16.77

(2) DS1, per channel

\$7.89

(T)

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ACCESS SERVICE TARIFF

14. VoIP Rates and Charges (Cont'd)

14.1 Switched Access Service (Cont'd)

14.1.2 End Office

	<u>Rate</u>
	<u>Per Access Minute</u>
(A) <u>Local Switching</u>	
<u>Premium</u>	
- Originating – Toll Free	<b>\$0.000000 (R)</b>
- Originating – Non-Toll Free	\$0.002119
- Terminating	\$0.000000
(B) <u>Information Surcharge</u>	
<u>Premium – Per 100 Access Minutes</u>	
- Originating – Toll Free and Non-Toll Free	\$0.000000
- Terminating	\$0.000000
<u>Non-Premium – Per 100 Access Minutes</u>	
- Originating – Toll Free and Non-Toll Free	\$0.000000
- Terminating	\$0.000000
(C) <u>Shared Trunk Port</u>	
- Originating - Toll Free	<b>\$0.000000 (R)</b>
- Originating – Non-Toll Free	\$0.001389
- Terminating	\$0.000000
(D) <u>Dedicated Trunk Port<sup>[1]</sup></u>	
	<u>Monthly Rate</u>
DS1, per channel	\$0.47

[1] 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 portion of the DS1 charge is \$.47.

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