

WN U-10
UNITED TELEPHONE COMPANY OF THE NORTHWEST

Original Title Page 1

ACCESS SERVICE
REGULATIONS, RATES AND CHARGES

Applying to the provision of Access Services within an exchange for connection to Intrastate Communications Facilities for Customers within the operating territory of

United Telephone Company of the Northwest
d/b/a CenturyLink
902 Wasco Street
Hood River, Oregon 97031
in the State of Washington
as set forth on Title Page 2

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

This tariff replaces Tariff WN U-9 in its entirety.

Advice No. WA 10-21A
Issued: May 27, 2010
Issued By: United Telephone Company of the Northwest

Effective: May 28, 2010

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Following are the exchanges in which Access Services are available in Washington. The exchange areas are as defined by maps filed with the Washington Utilities and Transportation Commission as part of the Telephone Company's Local Exchange Tariff.

| | |
|------------|--------------|
| BICKLETON | PATERSON |
| BRINNON | POULSBO |
| CENTER | PROSSER |
| COLUMBIA | QUILCENE |
| DALLESPORT | ROOSEVELT |
| GARDINER | STEVENSON |
| GLENWOOD | SUNNYSIDE |
| GOLDENDALE | TOPPENISH |
| GRANDVIEW | TROUT LAKE |
| GRANGER | WAPATO |
| HARRAH | WHITE SALMON |
| KLICKITAT | WHITE SWAN |
| LYLE | WHITESTRAN |
| MABTON | WILLARD |
| MATTAWA | WISHRAM |
| | ZILLAH |

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CONCURRING CARRIERS

NON CONCURRING CARRIER

CONNECTING CARRIERS

NO CONNECTING CARRIERS

OTHER PARTICIPATING CARRIERS

NO OTHER PARTICIPATING CARRIERS

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EXPLANATION OF SYMBOLS

| | | |
|-----|---|---|
| (C) | - | To signify changed regulation |
| (D) | - | To signify discontinued rate or regulation |
| (I) | - | To signify increase |
| (K) | - | To signify material relocated 'To' without change |
| (M) | - | To signify material relocated 'From' without change |
| (N) | - | To signify new rate or regulation |
| (R) | - | To signify reduction |
| (S) | - | To signify reissued matter |
| (T) | - | To signify a change in text but no change in rate or regulation |

EXPLANATION OF ABBREVIATIONS

| | | |
|---------|---|---|
| ac | - | alternating current |
| ABS | - | Alternate Billing Service |
| AML | - | Actual Measured Loss |
| ANI | - | Automatic Number Identification |
| ASR | - | Access Service Request |
| AT&T | - | American Telephone and Telegraph Company |
| AUL | - | Annual Underutilization Liability |
| BD | - | Business Day |
| BNS | - | Billed Number Screening |
| CCS/SS7 | - | Common Channel Signaling/Signaling System 7 |
| CNCC | - | Customer Network Control Center |
| COCTX | - | Central Office Centrex |
| Cont'd | - | Continued |
| CPN | - | Calling Party Number |
| CSACC | - | Customer Service Administration Control Center |
| CSP | - | Carrier Selection Parameter |
| Ctx | - | Centrex |
| DA | - | Digital Data Access |
| db | - | decibel |
| dBrnCO | - | Decibel Reference Noise C-Message Weighted O |
| dc | - | direct current |
| EML | - | Expected Measured Loss |
| ESS | - | Electronic Switching System |
| ESSX | - | Electronic Switching System Exchange |
| f | - | frequency |
| F.C.C. | - | Federal Communications Commission |
| FX | - | Foreign Exchange |
| HC | - | High Capacity |
| Hz | - | Hertz |
| IC | - | Interstate Customer |
| ICB | - | Individual Case Basis |
| ILP | - | Initial Liability Period |
| IPIC | - | IntraLATA Primary Interexchange Carrier |
| kbps | - | kilobits per second |
| kHz | - | kilohertz |
| LATA | - | Local Access and Transport Area |
| LDMTS | - | Long Distance Message Telecommunications Service(s) |
| LIDB | - | Line Information Data Base (LIDB) |

Advice No. WA 10-21A
Issued: May 27, 2010
Issued By: United Telephone Company of the Northwest

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EXPLANATION OF ABBREVIATIONS

| | | |
|---------------|---|--|
| Ma | - | milliamperes |
| Mbps | - | Megabits per second |
| MHz | - | Megahertz |
| MOU | - | Minutes of Use |
| MRC | - | Monthly Recurring Charge |
| MTL | - | Maximum Termination Liability |
| MTS | - | Message Telecommunications Service(s) |
| MTS/WATS | - | Message Telecommunications Service and/or Wide Area Telecommunications Service |
| MTS/WATS-type | - | Execunet/Sprint-type Interstate Services which MCI Telecommunications Corporation presently markets as Execunet and Network Service and which GTE Sprint formerly South Pacific markets as Sprint IV and V or any other like services which may be offered by those two carriers or any other common carriers. |
| N/A | - | Not Available at this time |
| NPA | - | Numbering Plan Area |
| NRC | - | Nonrecurring Charge |
| NTS | - | Non-Traffic Sensitive |
| NXX | - | Three Digit Central Office Code |
| OPC | - | Originating Point Code |
| OSS | - | Operator Service System |
| PBX | - | Private Branch Exchange |
| PCM | - | Pulse Code Modulation |
| PI | - | Priority Installation |
| PIC | - | InterLATA Primary Interexchange Carrier |
| PIN | - | Personal Identification Number |
| PIU | - | Percent Interstate Usage |
| PLR | - | Private Line Ringdown |
| POT | - | Point of Termination |
| PR | - | Priority Restoration |
| RMC | - | Recurring Monthly Charge |
| rms | - | root-mean-square |
| SCP | - | Service Control Point |
| SSN | - | Switched Service Network |
| SSP | - | Service Switching Point |
| STP | - | Signal Transfer Point |
| SWC | - | Serving Wire Center |
| TES | - | Telephone Exchange Service(s) |
| TLP | - | Transmission Level Point |
| TSP | - | Telecommunications Service Priority |
| TSPS | - | Traffic Service Position System |
| USOC | - | Uniform Service Order Code |
| VG | - | Voice Grade |
| V & H | - | Vertical & Horizontal |
| WATS | - | Wide Area Telecommunications Service(s) |

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.

Advice No. WA 10-21A

Issued: May 27, 2010

Effective: May 28, 2010

Issued By: United Telephone Company of the Northwest

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ACCESS SERVICE

1. Application of Tariff

- 1.1 This tariff contains regulations, rates and charges applicable to the provision of Switched Access Services, Special Access Services, and other miscellaneous services, hereinafter referred to collectively as service(s), provided by 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.

ACCESS SERVICE

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

2.1.2 Limitations

- (A) The customer may not assign or transfer the use of services provided under this tariff; however, where there is no interruption of use or relocation of the services, such assignment or transfer may be made to:
 - (1) another customer, whether an individual, partnership, association or corporation, provided the assignee or transferee assumes all outstanding indebtedness for such services, and the unexpired portion of the minimum period and the termination liability applicable to such services, if any; or

ACCESS SERVICE

2. General Regulations (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

2.1.2 Limitations (Cont'd)

(A) (Cont'd)

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

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

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

- (B) The installation use and restoration of services shall be in accordance with Part 64, Subpart D, of the Federal Communications Commission's Rules and shall be subject to the regulations set forth following in Section 13.3.6, Telecommunications Service Priority (TSP) System.

ACCESS SERVICE

2. General Regulations (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

2.1.2 Limitations (Cont'd)

- (C) Subject to compliance with the rules mentioned in (B) preceding, the services offered herein will be provided to customers on a first-come, first-served basis.

2.1.3 Liability

- (A) The Telephone Company's liability, if any, for its willful misconduct is not limited by this tariff. With respect to any other claim or suit, by a customer or by any others, for damages associated with the installation, provision, preemption, termination, maintenance, repair or restoration of service, and subject to the provisions of (B) through (J) following, the Telephone Company's liability if any, shall not exceed an amount equal to the proportionate charge for the service for the period during which the service was affected. This liability for damages shall be in addition to any amounts that may otherwise be due the customer under this tariff as a Credit Allowance for a Service Interruption.
- (B) The Telephone Company shall not be liable for any act or omission of any other carrier or customer providing a portion of a service, nor shall the Telephone Company for its own act or omission hold liable any other carrier or customer providing a portion of a service.
- (C) The Telephone Company shall not be liable for any act or omission concerning the implementation of presubscription as set forth in Section 13.3.3 following, unless the damage is caused by the Telephone Company's negligence.
- (D) The Telephone Company is not liable for damages to the customer premises resulting from the furnishing of a service, including the installation and removal of equipment and associated wiring, unless the damage is caused by the Telephone Company's negligence.

ACCESS SERVICE

2. General Regulations (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

2.1.3 Liability (Cont'd)

- (E) The Telephone Company shall be indemnified, defended and held harmless by the end user against any claim, loss or damage arising from the end user's use of services offered under this tariff, involving:
 - (1) Claims for libel, slander, invasion of privacy, or infringement of copyright arising from the end user's own 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 user or IC or;
 - (3) All other claims arising out of any act or omission of the end user in the course of using services provided pursuant to this tariff.

- (F) The Telephone Company shall be indemnified, defended and held harmless by the IC against any claim, loss or damage arising from the IC's use of services offered under this tariff, involving:
 - (1) Claims for libel, slander, invasion of privacy, or infringement of copyright arising from the IC's own communications;
 - (2) Claims for patent infringement arising from the IC's acts combining or using the service furnished by the Telephone Company in connection with facilities or equipment furnished by the end user or IC or;
 - (3) All other claims arising out of any act or omission of the IC in the course of using services provided pursuant to this tariff.

ACCESS SERVICE

2. General Regulations (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

2.1.3 Liability (Cont'd)

- (G) No license under patents (other than the limited license to use) is granted by the Telephone Company or shall be implied or arise by estoppel, with respect to any service offered under this tariff. The Telephone Company will defend the customer against claims of patent infringement arising solely from the use by the customer of services offered under this tariff and will indemnify such customer for any damages awarded based solely on such claims.
- (H) The Telephone Company's failure to provide or maintain services under this tariff shall be excused by labor difficulties, governmental orders, civil commotions, criminal actions taken against the Telephone Company, acts of God and other circumstances beyond the Telephone Company's reasonable control, subject to the Credit Allowance for a Service Interruption as set forth in 2.4.4 following.
- (I) The Telephone Company does not guarantee or make any warranty with respect to its services when used in an explosive atmosphere. The Telephone Company shall be indemnified, defended and held harmless by the customer from any and all claims by any person relating to such customer's use of services so provided.
- (J) The Telephone Company will make best efforts unless commercially impracticable to cure any material failure to provide service caused solely by year 2000 defects in Telephone Company hardware, software or systems. Due to the interdependence among telecommunications, providers and the interrelationship with non-Telephone Company processes, equipment and systems, the Telephone Company is not responsible for failures caused by circumstances beyond its control including, but not limited to, failures caused by: (1) the customer; (2) other telecommunications providers; or (3) customer premises equipment. In addition, the Telephone Company does not ensure compatibility between Telephone Company and non-Telephone Company services used by the customer.

ACCESS SERVICE

2. General Regulations (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

2.1.4 Provision of Services

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

2.1.5 Installation and Termination of Services

The Access 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. Access Service has only one Point of Termination per customer premises. Any additional terminations beyond such Point of Termination is the sole responsibility of the customer. The Point of Termination is an inherent part of Switched and Special Access Services, therefore, the preceding does not preclude the customer's ability to have the Point of Termination moved as set forth in Sections 6.7.5 and 7.4.2 following for Switched and Special Access Services, respectively.

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.

ACCESS SERVICE

2. General Regulations (Cont'd)2.1 Undertaking of the Telephone Company (Cont'd)2.1.7 Changes and Substitutions

Except as provided for equipment and systems subject to FCC Part 68 Regulations at 47 C.F.R. Section 68.110(b), the Telephone Company may, where such action is reasonably required in the operation of its business, (A) substitute, change or rearrange any facilities used in providing service under this tariff, including but not limited to, (1) substitution of different metallic facilities, (2) substitution of carrier or derived facilities for metallic facilities used to provide other than metallic facilities and (3) substitution of metallic facilities for carrier or derived facilities used to provide other than metallic facilities, (B) change minimum protection criteria, (C) change operating or maintenance characteristics of facilities or (D) change operations or procedures of the Telephone Company. In case of any such substitution, change or rearrangement, the transmission parameters will be within the range as set forth in Sections 6 and 7 following. The Telephone Company shall not be responsible if any such substitution, change or rearrangement renders any customer furnished services obsolete or requires modification or alteration thereof or otherwise affects their use or performance. If such substitution, change or rearrangement materially affects the operating characteristics of the facility, the Telephone Company will provide reasonable notification to the customer in writing. Reasonable time will be allowed for any redesign and implementation required by the change in operating characteristics. The Telephone Company will work cooperatively with the customer to determine reasonable notification requirements.

ACCESS SERVICE

2. General Regulations (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

2.1.8 Refusal and Discontinuance of Service

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

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

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

ACCESS SERVICE

2. General Regulations (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

2.1.8 Refusal and Discontinuance of Service

(C) The Telephone Company shall deny service to a nonregistered telecommunications company that intends to use the service requested to provide telecommunications for hire, sale, or resale to the general public within the state of Washington. Any telecommunications company requesting service from a local exchange company shall state in writing whether the service is intended to be used for intrastate telecommunications for hire, sale, or resale to the general public.

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 PUB AS No. 1.

ACCESS SERVICE

2. General Regulations (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

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 not limited to, equipment or facilities additions, removals or rearrangements, routine preventative maintenance and major switching machine change-out. Generally, such activities are not individual customer service specific, they affect many customer services. No specific advance notification period is applicable to all service activities. The Telephone Company will work cooperatively with the customer to determine reasonable notification requirements.

2.1.11 Coordination with Respect to Network Contingencies

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

2.1.12 Provision and Ownership of Telephone Numbers

The Telephone Company reserves the reasonable right to assign, designate or change telephone numbers, any other call number designations associated with Access Services, or the Telephone Company serving central office prefixes associated with such numbers, when necessary in the conduct of its business. Should it become necessary to make a change in such number(s), the Telephone Company will furnish to the customer 6 months notice, by certified U.S. Mail, of the effective date and an explanation of the reason(s) for such change(s).

ACCESS SERVICE

2. General Regulations (Cont'd)

2.2 Use

2.2.1 Interference or Impairment

- (A) The characteristics and methods of operation of any circuits, facilities or equipment provided by other than the Telephone Company and associated with the facilities utilized to provide services under this tariff shall not interfere with or impair service over any facilities of the Telephone Company, its affiliated companies, or its connecting and concurring carriers involved in its services, cause damage to their plant, impair the privacy of any communications carried over their facilities or create hazards to the employees of any of them or the public.
- (B) Except as provided for equipment or systems subject to the FCC Part 68 Rules in 47 C.F.R. Section 68.108, if such characteristics or methods of operation are not in accordance with (A) preceding, the Telephone Company will, where practicable, notify the customer that temporary discontinuance of the use of a service may be required; however, where prior notice is not practicable, nothing contained herein shall be deemed to preclude the Telephone Company's right to temporarily discontinue forthwith the use of a service if such action is reasonable under the circumstances. In case of such temporary discontinuance, the customer will be promptly notified and afforded the opportunity to correct the condition which gave rise to the temporary discontinuance. During such period of temporary discontinuance, credit allowance for service interruptions as set forth in 2.4.4(A) and (B) following is not applicable.

2.2.2 Unlawful Use

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

ACCESS SERVICE

2. General Regulations (Cont'd)2.3 Obligations of the Customer2.3.1 Damages

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

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

2.3.3 Equipment Space and Power

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

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ACCESS SERVICE

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

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 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 McCulloh-Loop (Alarm System) type signaling.

ACCESS SERVICE

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

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.

2.3.8 Claims and Demands for Damages

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

ACCESS SERVICE

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.8 Claims and Demands for Damages (Cont'd)

- (B) The customer shall defend, indemnify and save harmless the Telephone Company from and against 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 tortuous conduct of the customer, its officers, agents or employees.

- (C) The customers 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

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.9 Coordination with Respect to Network Contingencies

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

2.3.10 Jurisdictional Report Requirements

(A) Percent Interstate Usage (PIU)

- (1) Pursuant to Federal Communications Commission Order FCC 85-145 adopted April 16, 1985, interstate usage is to be developed as though every call that enters a customer network at a point within the same state as that in which the called station (as designated by the called station number) is situated is an intrastate communication and every call for which the point of entry is in a state other than that where the called station (as designated by the called station number) is situated is an interstate communication.
- (2) The projected interstate percentages will be used by the Telephone Company to apportion the usage between interstate and intrastate until a revised report is received as set forth in (B)(7) following.

(B) Jurisdictional Reports

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

ACCESS SERVICE

2. General Regulations (Cont'd)2.3 Obligations of the Customer (Cont'd)2.3.10 Jurisdictional Report Requirements (Cont'd)(B) Jurisdictional Reports (Cont'd)

The Telephone Company developed PIU for access minutes of use will be determined at a statewide level. When the access minutes are measured, the interstate percentage will be developed on a quarterly basis by dividing the measured interstate originating or terminating access minutes (the access minutes where the calling number is in one state and the called number is in another state) by the total measured originating or terminating access minutes. The Telephone Company will begin to utilize the Telephone Company developed PIU factors as soon as sufficient call detail is available and will implement subsequent Telephone Company developed PIU factors on a quarterly basis in accordance with the provisions set forth in (7) following.

When the Telephone Company receives insufficient call detail to determine the jurisdiction, the Telephone Company will apply the customer's projected PIU factor, provided as set forth in (1) through (10) following, to apportion the usage between interstate and intrastate.

- (1) When a customer orders Feature Group A, Feature Group B, 500 Access Service, and/or Toll Free Code (TFC) Access Service, the customer shall state in its order the projected interstate percentage for interstate usage for each Feature Group A, Feature Group B, 500 Access Service, and/or TFC Access Service ordered. If the customer discontinues some but not all of the Feature Group A, Feature Group B, 500 Access Service, and/or TFC Access Services in a group, it shall provide an updated projected interstate percentage for the remaining services in the group. Additionally, upon employing the 700 access code over Feature Group D, the customer must provide a projected interstate percentage for the 700 calls. If the customer fails to provide a 700 projected interstate percentage, a default percentage of 100% interstate will be assumed.

ACCESS SERVICE

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.10 Jurisdictional Report Requirements (Cont'd)

(B) Jurisdictional Reports (Cont'd)

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

ACCESS SERVICE

2. General Regulations (Cont'd)2.3 Obligations of the Customer (Cont'd)2.3.10 Jurisdictional Report Requirements (Cont'd)(B) Jurisdictional Reports (Cont'd)

- (4) When a customer orders Feature Group C, Feature Group D, TFC or 900 Access Services, the projected interstate percentage will be determined as set forth in (a) through (c) following:
- (a) For originating Feature Group C and originating Feature Group D used in the provision of MTS/MTS-like service, the Telephone Company will determine the projected interstate percentage of use from the call detail.
 - (b) For terminating Feature Group C used in the provision of MTS/MTS-like service, and terminating Feature Group C used in the provision of 900 service, the projected interstate percentage of use will be determined through the factors as set forth in Section 6.7.6 following.
 - (c) For terminating Feature Group D used in the provision of MTS/MTS-like service, terminating Feature Group D used in the provision of 900 service, originating Feature Group C and Feature Group D used in the provision of 900 service, and originating and terminating Feature Group D used in the provision of Toll Free Code (TFC) service, the customer shall provide the projected interstate usage percentage in its access service order. In the event the customer fails to provide a projected interstate percentage, the Telephone Company will determine the projected interstate percentage as follows:

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

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

ACCESS SERVICE

2. General Regulations (Cont'd)2.3 Obligations of the Customer (Cont'd)2.3.10 Jurisdictional Report Requirements (Cont'd)(B) Jurisdictional Reports (Cont'd)

(4) (c) (Cont'd)

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

- (5) When a customer orders Directory Assistance Service, the customer shall state in its order the projected interstate percentage for terminating use for each Directory Access Service group ordered. (A method the customer may wish to adopt could be to use its terminating traffic from its premises to the involved Directory Assistance Location and calculate the projected interstate percentage as set forth in (4) preceding.) The Telephone Company will designate the number obtained by subtracting the projected interstate percentage furnished by the customer from 100 ($100 - \text{customer provided interstate percentage} = \text{intrastate percentage}$) as the projected intrastate percentage of use.
- (6) Except where Telephone Company measured access minutes are used as set forth in (4) preceding, the customer reported number of interstate services or interstate percentage of use as set forth in (1), (4) or (5) preceding will be used until the customer reports a different projected interstate percentage for an in-service end office. When the customer adds or discontinues lines or trunks to an existing end office, the customer shall furnish an updated projected interstate percentage that applies to the end office. The revised report will serve as the basis for future billing and will be effective on the next bill date. No prorating or back billing will be done based on the report.
- (7) Effective on the first of January, April, July, and October of each year, the customer shall provide a revised jurisdictional report showing the interstate and intrastate percentage of use for the past three months ending the last day of December, March, June, and September, respectively, for each service arranged for interstate use.

ACCESS SERVICE

2. General Regulations (Cont'd)2.3 Obligations of the Customer (Cont'd)2.3.10 Jurisdictional Report Requirements (Cont'd)(B) Jurisdictional Reports (Cont'd)

(7) (Cont'd)

The customer shall forward the revised report to the Telephone Company, to be received no later than 15 days after the first of each such month, (i.e., January, April, July and October). The revised report will serve as the basis for the next three month billing (i.e., beginning the first of February, May, August and November) and will be effective on the customer's bill date for that service. No prorating or backbilling will be done based on the report.

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

- (8) When a customer orders Common Channel Signaling/Signaling System 7 (CCS/SS7) Interconnection Service from the Embarq Local Operating Companies Tariff F.C.C. No. 1, as specified in Section 6.1.2(B)(6), the customer shall provide to the Telephone Company, in its order for the service, a CCS/SS7 Interconnection Service Percent Interstate Usage (PIU) Report for the state from which the service is ordered. Common Channel Signaling/Signaling System 7 (CCS/SS7) Interconnection Service is not offered in Washington's intrastate jurisdiction.

ACCESS SERVICE

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.10 Jurisdictional Report Requirements (Cont'd)

(B) Jurisdictional Reports (Cont'd)

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

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

The LIDB Access Service PIU Report must be provided to the Telephone Company upon ordering service, and thereafter, on a quarterly basis. Provisions for updating the interstate and intrastate jurisdictional report are as specified in Section 2.3.10(B)(7) preceding, and will also apply for the LIDB Access Service PIU Report.

Verification provisions as specified in Section 2.3.10(C) following will also apply for LIDB Access Service PIU Report.

ACCESS SERVICE

2. General Regulations (Cont'd)2.3 Obligations of the Customer (Cont'd)2.3.10 Jurisdictional Report Requirements (Cont'd)(B) Jurisdictional Reports (Cont'd)

- (10) Entrance Facility and Direct-Trunked Transport will be made available on December 24, 1998 in conformance with the restructure of Local Transport. Customers of Switched Access services must provide PIU factors that reflect all Switched Access services using these facilities.
- (a) When an Entrance Facility is provided for both interstate and intrastate Switched Access, the customer must provide a Switched Access Entrance Facility PIU factor on a serving wire center or study area level. The Entrance Facility PIU must account for all Switched Access originating and terminating usage carried over the Entrance Facility.
- (b) When Direct-Trunked Transport is provided for both interstate and intrastate Switched Access, the customer must provide a Switched Access Direct-Trunked Transport PIU factor on a study area level. The Direct-Trunked Transport PIU must account for all Switched Access originating and terminating usage carried over the Direct-Trunked Transport facilities.
- (c) If the customer does not provide a Switched Access PIU factor for an Entrance Facility or Direct-Trunked Transport as set forth in (a) and (b) above, the Telephone Company will develop a PIU for the Entrance Facility and Direct-Trunked Transport using the most current representative period.

The Entrance Facility and Direct-Trunked Transport PIU Report must be provided to the Telephone Company upon ordering service, and thereafter, on a quarterly basis. Provisions for updating the interstate and intrastate jurisdictional report as specified in Section 2.3.10(B)(7) preceding will also apply for the Entrance Facility and Direct-Trunked Transport PIU Report.

The verification provisions specified in Section 2.3.10(C) following will also apply for the Entrance Facility and Direct-Trunked Transport PIU Report.

ACCESS SERVICE

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.10 Jurisdictional Report Requirements (Cont'd)

(C) Jurisdictional Report Verification

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

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

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

ACCESS SERVICE

2. General Regulations (Cont'd)2.3 Obligations of the Customer (Cont'd)2.3.11 Determination of Intrastate Charges for Mixed Interstate and Intrastate Access Service and/or LIDB Access Service

When mixed interstate and intrastate Access Service and/or LIDB Access Service is provided, all charges (i.e., nonrecurring, monthly and/or usage) including optional features charges, will be prorated between interstate and intrastate, except for those charges associated with 900 Access Service. The percentage provided in the reports as set forth in 2.3.10 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 (excluding 900 Access Service as set forth in 6.8.5) multiply the percent intrastate use times the quantity of chargeable elements times the stated tariff rate per element.
- (B) For usage sensitive (i.e., access minutes, calls, and queries) chargeable rate elements, multiply the percent intrastate use times actual use (i.e., measured or Telephone Company assumed average use) times the stated tariff rate.

The intrastate percentage will change as revised usage reports are submitted as set forth in 2.3.10 preceding.

2.4 Payment Arrangements and Credit Allowances2.4.1 Payment of Rates, Charges and Deposits

- (A) The Telephone Company will, in order to safeguard its interests, only require a customer which has a proven history of late payments to the Telephone Company or does not have established credit, to make a deposit prior to or at any time after the provision of a service to the customer to be held by the Telephone Company as a guarantee of the payment of rates and charges. No such deposit will be required of a customer which is a successor of a company which has established credit and has no history of late payments to the Telephone Company. Such Deposits shall be equal to two months of estimated billings. If past service has been provided, the estimated billing shall be calculated based upon the average monthly billings over the past three months. Such a calculation is subject to revision based upon changes in the average of the past month's billings. The fact that a deposit has been made in no way relieves the customer from complying with the Telephone Company's regulations as to prompt payment of bills. At such time as the provision of the service to the customer is terminated, the amount of the deposit will be credited to the customer's account and any credit balance which may remain will be refunded.

ACCESS SERVICE

2. General Regulations (Cont'd)2.4 Payment Arrangements and Credit Allowances (Cont'd)2.4.1 Payment of Rates, Charges and Deposits (Cont'd)

(A) (Cont'd)

Such a deposit may be refunded or credited to the account when the customer has established credit or, in any event, after the customer has established a one-year prompt payment record at any time prior to the termination of the provision of the service to the customer. In case of a cash deposit, for the period the deposit is held by the Telephone Company, the customer will receive interest accrued at a rate based upon a simple average of the effective interest rate for new issues of one year Treasury bills, computed from December 1 of each year, continuing through November 30 of the following year. Deposits would earn that interest rate during January 1 through December 31 of the subsequent year. Interest will be computed from the time of deposit to the time of refund or total application of the deposit shall be compounded annually. Should a deposit be credited to the customer's account, no interest will accrue on the deposit from the date such deposit is credited to the customer's account.

- (B) The Telephone Company shall bill on a current basis all charges incurred by and credits due to the customer under this tariff attributable to services, including, but not limited to, Maintenance of Service as set forth in Section 13.3.1 following, established or discontinued during the preceding billing period. In addition, the Telephone Company shall bill in advance charges for all services to be provided during the ensuing billing period (e.g., Special Access and Switched Access Entrance Facility, Direct-Trunked Transport and Multiplexing) except for charges associated with service usage (e.g., Switched Access Interconnection Charge, Tandem-Switched Transport and Local Switching) and for the Federal Government which will be billed in arrears. The bill day (i.e., the billing date of a bill for a customer for Access Service under this tariff), the period of service each bill covers and the payment date will be as follows:

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

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

(B) (Cont'd)

- (1) For Presubscription the Telephone Company will establish a bill day for each end user account. Any applicable Presubscription charges, any known unbilled charges for prior periods and any known unbilled adjustment for prior periods for Presubscription Service will be applied to this bill. Such bills are due when rendered.
- (2) For Service other than Presubscription the Telephone Company will establish a bill day each month for each customer account. The bill will cover charges for the billing period for which the bill is rendered, plus any known unbilled charges and adjustments for prior periods. The billing period for usage shall be the last bill day through one day before the current bill day. Payment for such bills is due as set forth in (3) following. If payment is not received by the payment date, as set forth in (3) following in immediately available funds, a late payment penalty will apply as set forth in (3) following.
- (3) (a) All bills dated as set forth in (2) preceding for service, other than Presubscription, provided to the customer by the Telephone Company are due 31 days (payment date) after the bill date, or by the next bill date (i.e., the same date in the following month as the bill date), whichever is the shortest interval, except as provided herein, and are payable in immediately available funds. In the event that the Telephone Company renders the bill more than seven (7) days after the normal billing date, the Telephone Company will extend the payment date by one day for each day in excess of seven (7) until the bill is rendered. The date the bill is rendered will be considered to be the date the bill is postmarked.

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

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

(B) (3) (a) (Cont'd)

If such payment date would cause payment to be due on a Saturday, Sunday or Holiday (i.e., New Year's Day, Independence Day, Labor Day, Thanksgiving Day, Christmas Day, the second Tuesday in November and a day when Martin Luther King Jr. Day, Washington's Birthday, Memorial Day or Columbus Day is legally observed), payment for such bills will be due from the customer as follows:

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

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

(l) 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

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

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

(B) (3) (b) (Cont'd)

- (II) 0.000590 per day, compounded daily for the number of days from the payment date including the date that the customer actually makes the payment to the Telephone Company.
- (c) In the event that a billing dispute concerning any charges billed to the customer by the Telephone Company is resolved in favor of the Telephone Company, any payments withheld pending settlement of the dispute shall be subject to the late payment penalty set forth in (b) preceding. If the customer disputes the bill on or before the payment date, and pays the undisputed amount on or before the payment date, any late payment charge for the disputed amount will not start until 10 working days after the payment date. If the billing dispute is resolved in favor of the customer, no late payment penalty will apply to the disputed amount. In addition, if a customer who has paid the total billed amount disputes the billed amount within six months of the payment date, as set forth in (a) preceding, and the billing dispute is resolved in favor of the customer, the customer shall be entitled to the principal amount of such overpayment plus a penalty amount, calculated from the date upon which notice of the disputed amount was received by the Telephone Company to the date of reimbursement.

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

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

(B) (3) (c) (Cont'd)

The disputed amount penalty shall be the disputed amount resolved in the customer's favor times a penalty factor. The penalty factor shall be the lesser of:

- (I) the highest interest rate (in decimal value) which may be levied by law for commercial transactions, compounded daily for the number of days from the first date to and including the last date of the period involved, or
 - (II) 0.000590 per day, compounded daily for the number of days from the first date to and including the last date of the period involved.
- (d) In the event of a dispute concerning withheld payment amounts of overbilling, the customer shall notify the Telephone Company in writing at the earliest possible date, but in no event later than the normal payment date if the dispute concerns withheld payment amounts, or no later than six months after the payment date if the dispute concerns a claim for overbilling. The Telephone Company shall respond no later than 15 working days, or other mutually agreed period, from the date of receipt of the notice of dispute. Such response shall state agreement or disagreement with the customer's position and, if disagreement, shall state clearly the reasons for such disagreement.

ACCESS SERVICE

2. General Regulations (Cont'd)2.4 Payment Arrangements and Credit Allowances (Cont'd)2.4.1 Payment of Rates, Charges and Deposits (Cont'd)

- (C) Adjustments for the quantities of services established or discontinued in any billing period beyond the minimum period set forth for services in other sections of this tariff will be prorated to the number of days or major fraction of days based on a 30 day month.
- (D) The Telephone Company will furnish sufficient supporting detail (e.g., type of charge, service type, invoice number, account number, adjustments, and payments) with bills rendered for access services to enable the customer to verify the accuracy of such bills. Additional information, when requested by the customer, will be provided by the Telephone Company at terms mutually agreed to by the parties.
- (E) When a rate as set forth in this tariff is shown to more than two decimal places, the charges will be determined using the rate shown. The resulting amount will then be rounded to the nearest penny (i.e., rounded to two decimal places).
- (F) When more than one copy of a customer bill for services provided under the provisions of this tariff is furnished to the customer, an additional charge applies for each additional copy of the bill as set forth in Section 13.3.5 following.

2.4.2 Minimum Period

The minimum period for which services are provided and for which rates and charges are applicable is one month except for those services set forth in 5.2.5(B) and (C), 6.7.2 and 13.3.4(C)(1)(b), (c) and (d) following.

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

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.2 Minimum Period (Cont'd)

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

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

2.4.3 Cancellation of an Order for Service

Provisions for the cancellation of an Access Order for Switched Access or Special Access service are as set forth in 5.2.3(B) and 5.2.4 following.

2.4.4 Credit Allowance for Service Interruptions

(A) General

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

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.4 Credit Allowance for Service Interruptions (Cont'd)

(B) When A Credit Allowance Applies

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

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

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

- (a) For two-point services, the monthly charge shall be the total of all the monthly rate element charges associated with the service (i.e., Channel Termination(s), Channel Mileage, optional features and functions.
- (b) For multipoint services, the monthly charge shall be the total of all the monthly rate element charges associated with that portion of the service that is inoperative between the Hub and a customer premises. (i.e., Channel Termination(s), Channel Mileage, optional features and functions.

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.4 Credit Allowance for Service Interruptions (Cont'd)

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

(1) (Cont'd)

- (c) For multiplexed services, the monthly charge shall be the total of all the monthly rate element charges associated with that portion of the service that is inoperative. When the facility which is multiplexed or the multiplexer itself is inoperative, the monthly charge shall be the total of all the monthly rate element charges associated with the service (i.e., Channel Termination(s), Channel Mileage, optional features and functions. When the service which rides a channel of the multiplexed facility is inoperative, the monthly charge shall be the total of all the monthly rate element charges associated with that portion of the service from the Hub to a customer premises (i.e., Channel Termination(s), Channel Mileage, optional features and functions.

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.4 Credit Allowance for Service Interruptions (Cont'd)

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

- (2) For Switched Access Services, credit allowances for interruptions apply only to the applicable monthly rates or the assumed minutes of use charge, whichever is applicable to the service involved. No credit allowance 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 (a) the applicable monthly rates or (b) the assumed minutes of use charge for each period of 24 hours or major fraction thereof that the interruption continues, whichever is greatest.

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.4 Credit Allowance for Service Interruptions (Cont'd)

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

- (3) The credit allowance(s) for an interruption or for a series of interruptions shall not exceed (a) the applicable monthly rates or (b) the assumed minutes of use charge for the service interrupted in any one monthly billing period.
- (4) For certain Special Access services (Digital Data Access, DA1-4; and High Capacity, HC1), any period during which the error performance is below that specified for the service will be considered as an interruption.

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.4 Credit Allowance for Service Interruptions (Cont'd)

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

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

(C) When a Credit Allowance Does Not Apply

No credit allowance will be made for:

- (1) Interruptions caused by the negligence of the customer.
- (2) Interruptions of a service due to the failure of equipment or systems provided by the customer or others.
- (3) Interruptions of a service during any period in which the Telephone Company is not afforded access to the premises where the service is terminated.
- (4) Interruptions of a service when the customer has released that service to the Telephone Company for maintenance purposes, to make rearrangements, or for the implementation of an order for a change in the service during the time that was negotiated with the customer prior to the release of the service. Thereafter, a credit allowance as set forth in (B) preceding applies.

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.4 Credit Allowance for Service Interruptions (Cont'd)

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

- (5) Interruptions of a service which continue because of the failure of the customer to authorize replacement of any element of special construction, as set forth in Section 14, Special Construction, of this tariff. The period for which no credit allowance is made begins on the seventh day after the customer receives the Telephone Company's written notification of the need for such replacement and ends on the day after receipt by the Telephone Company of the customer's written authorization for such replacement.
- (6) Periods when the customer elects not to release the service for testing and/or repair and continues to use it on an impaired basis.
- (7) Periods of temporary discontinuance as set forth in 2.2.1(B) preceding.
- (8) Periods of interruption as set forth in Section 13.3.1 following.
- (9) An interruption or group of interruptions, resulting from a common cause, for amounts less than one dollar.
- (10) During a declared national emergency, where priority installation of National Security Emergency Preparedness (NSEP) telecommunications services shall take precedence.
- (11) During natural disasters, work stoppages, civil disturbances, criminal actions; or by fire, flooding or other occurrences attributed to an Act of God.
- (12) If planned or scheduled outage for maintenance, upgrades and enhancements take place.

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.4 Credit Allowance for Service Interruptions (Cont'd)

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

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

(E) Temporary Surrender of a Service

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

2.4.5 Customer Bill Verification

Upon reasonable notice, the customer, or its duly authorized representatives, shall have the right of access to mutually agreed upon Telephone Company information and records as may be necessary to verify the accuracy of access bills rendered to the customer in connection with Access Services provided under this tariff.

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.6 Reestablishment of Service Following Fire, Flood or Other Occurrence

(A) Nonrecurring Charges Do Not Apply

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

- (1) The service is of the same type as was provided prior to the fire, flood and other occurrence.
- (2) The service is for the same customer.
- (3) The service is at the same location on the same premises.
- (4) The reestablishment of service begins within 60 days after Telephone Company service is available. (The 60 day period may be extended a reasonable period if the renovation of the original location on the premises affected is not practical within the allotted time period.)

(B) Nonrecurring Charges Apply

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

2.4.7 Title or Ownership Rights

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

ACCESS SERVICE

2. General Regulations (Cont'd)2.4 Payment Arrangements and Credit Allowances (Cont'd)2.4.8 Ordering, Rating and Billing of Access Services Where More Than One Exchange Telephone Company or Rate Schedule is Involved

The Telephone Company will handle ordering, rating and billing of Access Services under this tariff where more than one Exchange Telephone Company or Rate Schedule is involved in the provision of Access Service as set forth in (A) or (B) following. The choice of either (A) or (B) shall be made by the Telephone Company and the Telephone Company will notify the customer which option will apply when the customer orders Access Service. The choice of (A) or (B) will be based on the interconnection arrangements between the Exchange Telephone Companies involved.

- (A) When an Access Service is ordered by a customer where one end of the Transport element (i.e., Switched Access Service Local Transport, Directory Transport or Special Access Service Channel Mileage) is in one Exchange Telephone Company operating territory and the other end is in another Exchange Telephone Company operating territory, except for Access Services provided with the use of Hubs, the Exchange Telephone Company in whose operating territory the customer's end user is located will accept the order for the Access Service from the customer except for Switched Access Services ordered on a per line or per trunk basis. The Exchange Telephone Company in whose territory the first point of switching is located will accept the order for Feature Group A, B and D Switched Access Services ordered in lines or trunks. The Exchange Telephone Company that accepts the order will then determine the charges involved, arrange to provide the Access Service ordered and bill the charges in accordance with its Access Service tariff. When an Access Service provided with the use of a Hub is ordered by a customer, the Exchange Telephone Company in whose territory the Hub is located will accept the order for the Access Service from the customer.

ACCESS SERVICE

2. General Regulations (Cont'd)2.4 Payment Arrangements and Credit Allowances (Cont'd)2.4.8 Ordering, Rating and Billing of Access Services Where More Than One Exchange Telephone Company or Rate Schedule is Involved (Cont'd)

(A) (Cont'd)

That Exchange Telephone Company will then determine the charges involved, arrange to provide the Access Service ordered and bill the charges in accordance with its Access Service tariff.

(B) The Telephone Company will handle ordering, rating and billing of Access Services under this tariff where more than one Exchange Telephone Company or rate schedule is involved in the provision of Access Service as follows:

- (1) When a Feature group A and/or B Switched Access Service is ordered by a customer where one end of the Transport element is in the Telephone Company operating territory and the other end is in another Exchange Telephone Company operating territory, the Exchange Telephone Company in whose operating territory the first point of switching is located will accept the order. In addition the Exchange Telephone Company in whose operating territory the customer point of termination is located must also receive a copy of the order from the customer. The Exchange Telephone Company that accepts the order will then determine the charges involved, arrange to provide the Access Service ordered and bill the charges in accordance with its Access Service tariff. At the option of the Telephone Company, each Exchange Telephone Company will provide the portion of the transport element in its operating territory to an interconnection point with another Exchange Telephone Company and will bill the charges in accordance with its Access Service tariff.
- (2) When Feature Group C and/or D Switched Access Service is ordered by a customer where one end of the Transport element is in the Telephone Company operating territory and the other end is in another Exchange Telephone Company operating territory, the orders shall be received as follows:

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

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

(B) (2) (Cont'd)

- (a) For Feature Group C Switched Access Service the Exchange Telephone Company in whose operating territory the end office is located must receive the order from the customer.
- (b) For Feature Group D Switched Access Service ordered to an end office, the Exchange Telephone Company in whose operating territory the end office is located must receive the order from the customer.
- (c) For Feature Group D Switched Access Service ordered to an access tandem, the Exchange Telephone Company in whose operating territory the access tandem is located must receive the order from the customer.
- (d) For the Service ordered set forth in (a), (b) and (c) preceding, the Exchange Telephone Company in whose operating territory the customer point of termination is located must also receive a copy of the order from the customer.

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

ACCESS SERVICE

2. General Regulations (Cont'd)2.4 Payment Arrangements and Credit Allowances (Cont'd)2.4.8 Ordering, Rating and Billing of Access Services Where More Than One Exchange Telephone Company or Rate Schedule is Involved (Cont'd)

(B) (Cont'd)

- (3) When a WATS Access Line Service is ordered and a Transport element mileage applies (i.e., the WATS serving office and the end user customer end office are not coterminous) and one end of the Transport element is in the Telephone Company operating territory and the other end is in another Exchange Telephone Company operating territory, the Exchange Telephone Company in whose operating territory the end office is located must receive the order from the customer. In addition, the Exchange Telephone Company in whose operating territory the WATS Serving Office is located must also receive a copy of the order from the customer. Each Exchange Telephone Company will provide the portion of the Transport element in its operating territory to an interconnection point with another Exchange Telephone Company and will bill the charges in accordance with its Access Service tariff. The rate for the Transport element will be determined as set forth in (8) following. All other appropriate charges in each Exchange Telephone Company tariff are applicable.
- (4) When a Special Access Service is ordered by a customer where one end of the Channel Mileage is in the Telephone Company operating territory and the other end is in another Exchange Telephone Company operating territory, except for Special Access Service provided with the use of Hubs, either of the Exchange Telephone Companies may receive the order from the customer. In addition, the other Exchange Telephone Company must receive a copy of the order from the customer. Each Exchange Telephone Company will provide the portion of the Channel Mileage element in its operating territory to an interconnection point (IP) with another Exchange Telephone Company and will bill the charges in accordance with its Access Service tariff. The rate for the Channel Mileage element will be determined as set forth in (8) following. All other appropriate charges in each Exchange Telephone Company tariff are applicable.

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

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

(B) (Cont'd)

- (5) When a Special Access Service involving a Hub is ordered by a customer where one end of the Channel Mileage element is in an Exchange Telephone Company operating territory and the Hub is in another Exchange Telephone Company operating territory, the Exchange Telephone Company in whose operating territory the Hub is located must receive the order from the customer. In addition, the Exchange Telephone Company in whose territory a customer premises is located must receive copies of the order from the customer. Each Exchange Telephone Company will provide the portion of the Channel Mileage element in its operating territory to an interconnection point (IP) with another Exchange Telephone Company and will bill the charges in accordance with its Access Service Tariff. The rate for the Channel Mileage element will be determined as set forth in (8) following. All other appropriate charges in each Exchange Telephone Company tariff are applicable.
- (6) When a Feature Group A, B, C and/or D Switched Access Service is ordered by a customer where both ends or an end and an interconnection point of the Transport Element are in the same Telephone Company operating territory and same exchange but in different states which have different rate

ACCESS SERVICE

2. General Regulations (Cont'd)2.4 Payment Arrangements and Credit Allowances (Cont'd)2.4.8 Ordering, Rating and Billing of Access Services Where More Than One Exchange Telephone Company or Rate Schedule is Involved (Cont'd)

(B) (6) (Cont'd)

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

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

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

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

(B) (Cont'd)

- (8) The rate for the Transport or Channel Mileage element for services provided as set forth in (2) through (7) preceding is determined in as follows:
 - (a) Determine the appropriate Transport or Channel Mileage by computing the airline mileage between the two ends of the Transport or Channel Mileage element. Determine the airline mileage for the Transport element using the V&H method as set forth in Section 6.7.11 following. Determine the airline mileage for the Channel Mileage element using the V & H method as set forth in Section 7.4.3 following.
 - (b) Determine the rate for the airline mileage determined in (a) preceding using the Telephone Company's tariff. Multiply such rate by the Telephone Company's billing percentage factor and divide by 100 to obtain the Transport element or Channel Mileage element charges.
- (9) The interconnection points will be determined by the Exchange Telephone Companies involved.

ACCESS SERVICE

2. General Regulations (Cont'd)

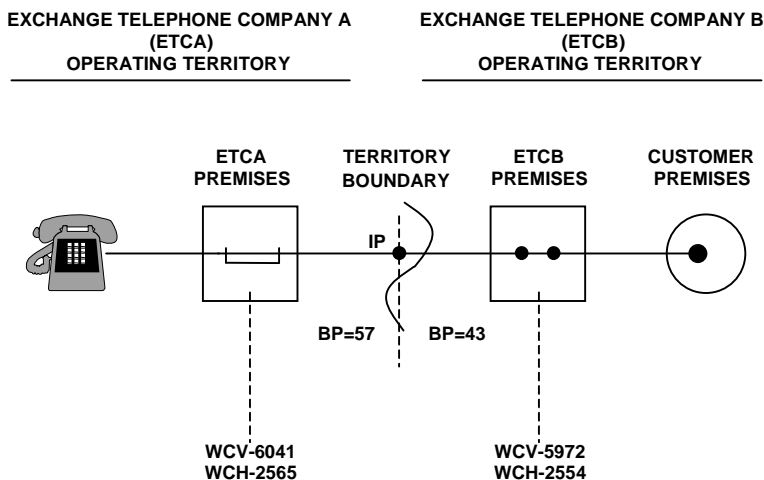
2.4 Payment Arrangements and Credit Allowances (Cont'd)

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

(C) Example - Switched Access

(1) Layout

- (a) Feature Group C Switched Access is ordered to End Office A.
- (b) End Office A is in operating territory of Exchange Telephone Company A.
- (c) Premises of ordering Customer is in operating territory of Exchange Telephone Company B.



ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

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

(C) Example - Switched Access (Cont'd)

(2) Airline Mileages (Using National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4).

- ETCA premises to ETCB premises = 22.1, rounded = 23

(3) Tandem Switched Transmission charges for 10220 access minutes

- Assume ETCA rate for Tandem Switched Transmission is \$0.0001 per access minute, per mile

- Assume ETCA Billing Percentage (BP) is 57

- Assume ETCB rate for Tandem Switched Transmission \$0.0002 per access minute, per mile

- Assume ETCB Billing Percentage (BP) is 43

- Formula:

$$\text{ETCA Tandem Switched} = \frac{\text{Access Minutes} \times \text{ETCA Rate} \times \text{ETCA Billing Percentage}}{100}$$

Transmission Per Mile Charge

- Calculation of Transport Charges

$$\text{ETCA Tandem Switched} = 10220 \times \$0.0001 \times \frac{57}{100} = \$0.583$$

Per Mile Charge

$$\text{ETCB Tandem Switched} = 10220 \times \$0.0002 \times \frac{43}{100} = \$0.879$$

Per Mile Charge

ACCESS SERVICE

2. General Regulations (Cont'd)

2.5 Connections

2.5.1 General

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

2.6 Definitions

Certain terms used herein are defined as follows:

Access Code

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

Access Minutes

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

Access Tandem

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

Account

The term "Account" denotes the set of billing information for a customer. Each account is uniquely identified by the billing account number (BAN) located on either the customer's bill or service record.

Alternate Billing Service

Alternate Billing Service (ABS) provides end users the ability to bill calls to an account not necessarily associated with the originating line.

ACCESS SERVICE

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Answer/Disconnect Supervision

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

Answer Message

Denotes an SS7 message sent in the backward direction to indicate that the call has been answered.

Attenuation Distortion

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

Balance (100 Type) Test Line

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

Billed Number Screening

Billed Number Screening is a process which utilizes a data base to determine specific characteristics and/or customer preferences on a billed line number. Examples would include, whether or not the line is a public telephone and whether the billed customer associated with the line will accept a collect call.

Bit

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

Business Day

The term "Business Day" denotes the times of day that a company is open for business. Generally, in the business community, these are 8:00 or 9:00 A.M. to 5:00 or 6:00 P.M., respectively, with an hour for lunch, Monday through Friday, resulting in an standard forty (40) hour work week. However, Business Day hours for the Telephone Company may vary based on company policy, union contract and location. To determine such hours for the Telephone Company, or company location, that company should be contacted at the address shown under the Issuing Carrier(s) name listed on Title Page 1 preceding.

ACCESS SERVICE

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Call

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

Carrier or Common Carrier

See Interexchange Carrier.

Carrier Access Code (CAC)

The term "Carrier Access Code" denotes a uniform seven-digit code assigned by the Telephone Company to an individual customer. The seven-digit code has the form 101XXXX, 950-XXXX, 950-1XXX, 950-10XX or 950-00XX. The 101XXXX access code will be provided where technically feasible.

Carrier Identification Code (CIC)

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

CCS

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

Central Office

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

Central Office Prefix

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

ACCESS SERVICE

2. General Regulations (Cont'd)2.6 Definitions (Cont'd)Centralized Automatic Reporting on Trunks Testing

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

Channel(s)

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

Channel Service Unit

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

Channelize

The term "Channelize" denotes the process of multiplexing/demultiplexing wider bandwidth or higher speed channels into narrower bandwidth or lower speed channels.

Clear Channel Capability (CCC)

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

C-Message Noise

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

C-Notched Noise

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

Coin Station

The term "Coin Station" denotes 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.

ACCESS SERVICE

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Common Line

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

Communications System

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

Conventional Signaling

The inter-machine signaling system which has been traditionally used in North America for the purpose of transmitting the called number's address digits from the originating end office to the switching machine which will terminate the call. In this system, all of the dialed digits are received by the originating switching machine, a path is selected, and the sequence of supervisory signals and outpulsed digits is initiated. No overlap outpulsing, ten-digit ANI, ANI information digits, or acknowledgment wink are included in this signaling sequence.

Customer (s)

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

ACCESS SERVICE

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Customer Designated Premises

The term "Customer Designated Premises" denotes the premises specified by the customer for the provision of Access Service.

Data Transmission (107 Type) Test Line

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

Decibel

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

Decibel Reference Noise C-Message Weighting

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

Decibel Reference Noise C-Message Referenced to 0

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

Detail Billing

The term "Detail Billing" denotes 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.

ACCESS SERVICE

2. General Regulations (Cont'd)2.6 Definitions (Cont'd)Dual Tone Multifrequency Address Signaling

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

Echo Control

The term "Echo Control" denotes the control of reflected signals in a telephone transmission path.

Echo Path Loss

The term "Echo Path Loss" denotes the measure of reflected signal at a 4-wire point of interface without regard to the send and receive Transmission Level Point.

Echo Return Loss

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

Effective 2-Wire

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

Effective 4-Wire

The term "Effective 4-Wire" denotes a condition 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). Effective 4-wire channels may be terminated with a 2-wire interface at the customer's premises. However, when terminated 2-wire, simultaneous independent transmission cannot be supported because the two wire interface combines the transmission paths into a single path.

ACCESS SERVICE

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

End Office Switch

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

End User

The term "End User" denotes any customer of an intrastate telecommunications service that is not a carrier, except that a carrier other than a telephone company shall be deemed to be an "end user" when such carrier uses a telecommunications service for administrative purposes, and a person or entity that offers telecommunications services exclusively as a reseller shall be deemed to be an "end user" if all resale transmissions offered by such reseller originate on the premises of such reseller.

Entry Switch

See First Point of Switching.

Envelope Delay Distortion

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

Equal Level Echo Path Loss

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

ACCESS SERVICE

2. General Regulations (Cont'd)2.6 Definitions (Cont'd)Exchange

The term "Exchange" denotes 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. The exchange includes any Extended Area Service that is an enlargement of a Telephone Company's exchange area to include nearby exchanges. One or more designated exchanges comprise a given local access and transport area.

Exchange Access Signaling

The signaling system which is used, by equal access end offices, to transmit originating information and address digits to the customer's premises and which includes the means of verifying the receipt of these address digits. Features of this system include overlap outpulsing, identification of the type of call, identification of the ten-digit telephone number of the calling party, and acknowledgment wink supervisory signals.

Exit Message

Denotes an SS7 message sent to an end office by the Telephone Company tandem switch to mark the Carrier Connect Time when the Telephone Company's tandem switch sends an Initial Address Message to an Interexchange Customer.

Expected Measured Loss

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

Extended Area Service

See Exchange.

Field Identifier

The term "Field Identifiers" denotes two to four characters that are used on service orders to convey specific instructions. Field Identifiers may or may not have associated data. Selected field identifiers are used in Telephone Company billing systems to generate nonrecurring charges.

ACCESS SERVICE

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

First-Come, First Served

The term "First-Come, First Served" denotes a procedure followed when the first service order received will be the first service order processed.

First Point of Switching

The term "First Point of Switching" denotes the first Telephone Company location at which switching occurs on the terminating path of a call proceeding from the customer 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 customer premises.

Frequency Shift

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

Grandfathered

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

Host Office

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

Immediately Available Funds

The term "Immediately Available Funds" denotes a corporate or personal check drawn on a bank account and funds which are available for use by the receiving party on the same day on which they are received and includes U.S. Federal Reserve bank wire transfers, U.S. Federal Reserve notes (paper cash), U.S. coins, U.S. Postal Money Orders and New York Certificates of Deposit.

ACCESS SERVICE

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Impedance Balance

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

Impulse Noise

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

Individual Case Basis

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

Initial Address Message

Denotes an SS7 message sent in the forward direction to initiate trunk set up by seizing an outgoing trunk for sending trunk and call routing and handling information to the next switch.

Inserted Connection Loss

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

Interexchange Carrier (IC) or Interexchange Common Carrier

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

ACCESS SERVICE

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Intermodulation Distortion

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

Interstate Communications

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

Intrastate Communications

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

Line Information Data Base (LIDB)

The Line Information Data Base (LIDB) is a data base containing billing validation data to support Alternate Billing Services.

Line Side Connection

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

Local Access and Transport Area (LATA)

The term "Local Access and Transport Area" denotes 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. For the purposes of this tariff Geographical Market Area (GMA) and LATA are intended to be interchangeable.

ACCESS SERVICE

2. General Regulations (Cont'd)2.6 Definitions (Cont'd)Local Calling Area

The term "Local Calling Area" denotes a geographical area, as defined in the Telephone Company's Local and/or General Exchange Service tariff, in which an end user (Telephone Exchange Service subscriber) may complete a call without incurring MTS charges.

Local Tandem Switch

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

Loop Around Test Line

The term "Loop Around Test Line" denotes an arrangement 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 this test arrangement is at the discretion of the customer.

Loss Deviation

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

Maritime Radio Common Carriers (MRCCs)

The term "Maritime Radio Common Carriers (MRCCs)" denotes carriers which are regulated under Part 81 of the Federal Communications Commission's Rules and Regulations.

Major Fraction Thereof

The term "Major Fraction Thereof" is any period of time in excess of 1/2 of the state amount of time. As an example, in considering a period of 24 hours, a major fraction thereof would be any period of time in excess of 12 hours exactly. Therefore, if a given service is interrupted for a period of thirty six hours and fifteen minutes, the customer would be given a credit allowance for two twenty four hour periods for a total of forty eight hours.

Message

The term "Message" denotes a "call" as defined preceding.

ACCESS SERVICE

2. General Regulations (Cont'd)2.6 Definitions (Cont'd)Milliwatt (102 Type) Test Line

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

Network Control Signaling

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

Nonsynchronous Test Line

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

North American Numbering Plan

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

Off-hook

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

On-hook

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

Open Circuit Test Line

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

ACCESS SERVICE

2. General Regulations (Cont'd)2.6 Definitions (Cont'd)Operator Service System (OSS)

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

Optical Carrier Level (n) (OCn)

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

Optical Carrier Level n Concatenated (OCnc)

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

Optical Carrier Rate (OC#)

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

Optical Carrier Rate Concatenated (OC#c)

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

Originating Direction

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

ACCESS SERVICE

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Originating Point Code

An originating point code is assigned to identify each Operator Service System (OSS) location.

Overlap Outpulsing

The feature of the exchange access signaling system which permits initiation of pulsing to the customer's premises before the calling subscriber has completed dialing an originating call.

Pay Telephone

The term "Pay Telephone" denotes Telephone Company provided instruments and related facilities that are available to the general public for public convenience and necessity, including public and semipublic telephone, and coinless telephones.

Personal Identification Number (PIN)

A Personal Identification Number (PIN) is a confidential four-digit code number provided to a calling card customer to protect against the unauthorized use of their calling card number. The PIN is stored in the LIDB for those accounts that have an associated calling card.

Phase Jitter

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

Point of Termination

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

Premises

The term "Premises" denotes a building, or a portion of a building in a multitenant building, or buildings on continuous property (except Railroad Right-of-Way, etc.), not separated by a public highway except for an end user than offers telecommunications services exclusively as a reseller, this term is not limited to one building, but applies as well to a complex, or campus-type configuration, of buildings.

Query

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

ACCESS SERVICE

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Radio Common Carriers (RCCs)

The term "Radio Common Carriers (RCCs)" denotes carriers which are regulated under Part 22 of the Federal Communications Commission's Rules and Regulations.

Registered Equipment

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

Release Message

Denotes an SS7 message sent in either direction to indicate that a specific circuit is being released.

Remote Switching Modules and/or Remote Switching Systems

The term "Remote Switching Modules and/or Remote Switching Systems" denotes small, remotely controlled electronic end office switches 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 a customer.

Response

A Response is one response from a set of predefined expected responses to a request for information contained in a query from a computer processor.

Responsible Organization

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

Return Loss

The term "Return Loss" denotes a measure of the similarity between the two impedances at the junction of two transmission paths. The higher the return loss, the higher the similarity.

ACCESS SERVICE

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Service Control Point (SCP)

A Service Control Point (SCP) is a transaction processor based system that provides network interface to various data base services.

Service Switching Point (SSP)

An end office or tandem switch equipped with the signaling link hardware and software that can perform Signal Point functions. In addition, SSPs can identify the need for application software in processing a Common Channel Signaling/Signaling System 7 call and request and respond to call processing instructions issued by: a Service Control Point.

Serving Wire Center

The term "Serving Wire Center" denotes the wire center from which the customer designated premises would normally obtain dial tone from the Telephone Company.

Seven Digit Manual Test Line

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

Short Circuit Test Line

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

Signal-to-C-Notched Noise Ratio

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

ACCESS SERVICE

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Signal Transfer Point (STP)

The term "Signal Transfer Point" denotes a packet switch which provides CCS network access and performs CCS message routing and screening.

Singing Return Loss

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

Special Order

The term "Special Order" denotes an order for a Billing and Collection Service or an order for a Directory Assistance Service.

Subtending End Office of an Access Tandem

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

Synchronous Optical Network (SONET)

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

Synchronous Test Line

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

Synchronous Transport Signal - Level (STS1)

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

ACCESS SERVICE

2. General Regulations (Cont'd)2.6 Definitions (Cont'd)Terminating Direction

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

Toll Free Code (TFC)

The term "Toll Free Code" denotes a three-digit Number 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 that, unlike traditional 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 Free Code Service (TFC) Management System

The term "Toll Free Code Service Management System" (TFC SMS) denotes the main operations support system used to create and update TFC service records in the national TFC data base

Toll Free Code (TFC) Service Provider

The term "Toll Free Code (TFC) Service Provider" denotes a telecommunications company, including local exchange carriers and interexchange carriers, or a reseller of exchange or interexchange services that offers TFC service to end users.

Transmission Measuring (105 Type) Test Line/Responder

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

Transmission Path

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

Trunk

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

ACCESS SERVICE

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Trunk Group

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

Trunk Side Connection

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

Two-Wire to Four-Wire Conversion

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

V and H Coordinates Method

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

WATS Serving Office

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

Wire Center

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

ACCESS SERVICE

3. Carrier Common Line Access Service

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

3.1 General Description

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

Premium Access is (1) Switched Access Service provided to customers under this tariff which furnishes intrastate MTS/WATS, or (2) Switched Access Service in an end office converted to equal access.

Non Premium Access is Switched Access Service provided in an end office not yet converted to equal access to customers that do not furnish intrastate MTS/WATS.

3.2 Limitations

3.2.1 Exclusions

Neither a telephone number nor detail billing are provided with Carrier Common Line Access. Additionally, directory listings and intercept arrangements are not included in the rates and charges for Carrier Common Line Access.

3.2.2 Access Groups

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

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

3.2.3 WATS Special Access Circuits

Where Special Access Services are utilized for connection with Switched Access Service at telephone company designated WATS Serving Offices for the provision of WATS or WATS-like services, Switched Access Service minutes which are carried on that end of the service (i.e., originating minutes for outward WATS and WATS-like services and terminating minutes for inward WATS and WATS-like services) shall not be assessed Carrier Common Line Access per minute charges with the following exception. Carrier Common Line Access per minute charges shall apply when Feature Group A or Feature Group B switched access is ordered from a non equal access telephone company office that does not have measurement capabilities and the assumed access minutes of use monthly surrogates, as set forth in 6.7.6(D) following, are used.

ACCESS SERVICE

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

3.3 Undertaking of the Telephone Company

3.3.1 Provision of Service

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 3.8 following.

3.3.2 Interstate and Intrastate Use

The Switched Access Service provided by the Telephone Company includes the Switched Access Service provided for both interstate and intrastate communications. The Carrier Common Line Access rates and charges as set forth in 3.8 following apply to intrastate Switched Access Service access minutes.

3.4 Obligations of the Customer

3.4.1 Switched Access Service Requirement

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

3.4.2 Supervision

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

3.5 Determination of Usage Subject to Carrier Common Line Access Charges

Except as set forth herein, all Switched Access Service provided to the customer will be subject to Carrier Common Line Access charges.

3.5.1 Determination of Jurisdiction

When the customer reports interstate and intrastate use of Switched Access Service, the associated Carrier Common Line Access used by the customer for intrastate will be determined as set forth in 3.7.5(E) following.

ACCESS SERVICE

3. Carrier Common Line Access Service (Cont'd)3.5 Determination of Usage Subject to Carrier Common Line Access Charges (Cont'd)3.5.2 Cases Involving Usage Recording by the Customer

Where Feature Group C end office switching is provided without Telephone Company recording and the customer records minutes of use used to determine Carrier Common Line Access charges (i.e., Feature Group C operator and calls such as pay telephone sent-paid, operator-DDD, operator-person, collect, credit-card, third number and/or other like calls), the customer shall furnish such minutes of use detail to the Telephone Company in a timely manner. If the customer does not furnish the data, the customer shall identify all Switched Access Service 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.

3.5.3 Local Exchange Access and Enhanced Services Exemption

When access to the local exchange is required to provide a customer's service (e.g., MTS/WATS-like, telex, data, etc.) that uses a resold private line service, Switched Access Service Rates and Regulations, as set forth in Section 6 following will apply, except when such access to the local exchange is required for the provision of an enhanced service. Carrier Common Line Access rates and charges as set forth in 3.8 following apply in accordance with the resale rate regulations as set forth in 3.6.4 following.

ACCESS SERVICE

3. Carrier Common Line Access Service (Cont'd)3.6 Resold Services3.6.1 Scope

Where the customer is reselling MTS and/or MTS-like 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 Feature Group A, Feature Group B or Feature Group D Switched Access Service under this tariff, as set forth in Section 6 following, for originating and/or terminating access in the local exchange. Such access group arrangements, whether single lines or trunks or multiline hunt groups or trunk groups, will have Carrier Common Line Access charges applied as set forth in 3.8 following in accordance with the resale rate regulations set forth in 3.6.4 following. For purposes of administering this provision:

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

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

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

When the customer is reselling MTS and/or MTS-like services as set forth in 3.6.1 preceding, the customer will be charged Carrier Common Line Access charges in accordance with the resale rate regulations, as set forth in 3.6.4 following, if the customer or provider of MTS service furnishes documentation of the MTS usage and/or the customer furnishes documentation of the MTS-like usage. Such documentation provided by the customer shall be supplied each month and shall identify the involved resold MTS and/or MTS-like services.

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

ACCESS SERVICE

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

3.6 Resold Services (Cont'd)

3.6.3 Resale Documentation Provided by the Customer

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

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

When the customer is provided an access group to be used in conjunction with the resale of MTS and/or MTS-like services as set forth in 3.6.1 preceding, subject to the limitations as set forth in 3.2 preceding, and the billing entity receives the usage information required as set forth in 3.6.2 preceding, to calculate the adjustment of Carrier Common Line Access charges, the customer will be billed as set forth in (D), (E), or (F) following, depending upon, respectively, whether the usage is from non equal access offices, equal access offices, or a combination of the two.

(A) Apportionment and Adjustment of Resold Minutes of Use

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

(1) Originating Services

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

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

ACCESS SERVICE

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

3.6 Resold Services (Cont'd)

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

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

(1) Originating Services (Cont'd)

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

(2) Terminating Services

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

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

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

ACCESS SERVICE

3. Carrier Common Line Access Service (Cont'd)3.6 Resold Services (Cont'd)3.6.4 Rate Regulations Concerning the Resale of MTS and MTS-like Services
(Cont'd)(B) Same State/Telephone Company/Exchange Limitation

In order for the rate regulations to apply as set forth in (D), (E), or (F) following, the access groups and the resold MTS and/or MTS-like services must be provided in the same state (except when the same extended area service arrangement is provided in two different states by the same telephone company) in the same exchange, provided by the Telephone Company and connected directly or indirectly. For those exchanges that encompass more than one state, the customer shall report the information by state within the exchange.

(C) Direct and Indirect Connections

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

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

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

ACCESS SERVICE

3. Carrier Common Line Access Service (Cont'd)3.6 Resold Services (Cont'd)3.6.4 Rate Regulations Concerning the Resale of MTS and MTS-like Services
(Cont'd)(D) Access Groups - Non Equal Access Offices Only

The adjustments, as set forth here and in (E) and (F) following, will be computed separately for each access group.

When all the usage on an access group originates from and/or terminates at end offices that have not been converted to equal access, the Non Premium Access Charge per minute as set forth in 3.8(B) following will apply. The access minutes which will be subject to Carrier Common Line Access charges will be the adjusted originating intrastate access minutes plus the adjusted terminating intrastate access minutes for such access groups.

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

(E) Access Groups - Equal Access Offices Only

When all the usage on an access group originates from and/or terminates at end offices that have been converted to equal access, the Premium Access Charge per minute as set forth in 3.8(A) following will apply. The minutes billed Carrier Common Line Access Service charges will be the adjusted originating intrastate access minutes and the adjusted terminating intrastate access minutes for such access groups.

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

ACCESS SERVICE

3. Carrier Common Line Access Service (Cont'd)3.6 Resold Services (Cont'd)3.6.4 Rate Regulations Concerning the Resale of MTS and MTS-like Services
(Cont'd)(F) Access Groups - Non Equal Access and Equal Access Offices

When an 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, both Premium and Non Premium per minute charges as set forth in 3.8(A) and (B) following will apply, respectively. The minutes billed Carrier Common Line Access Service charges will be the adjusted originating intrastate access minutes plus the adjusted terminating intrastate access minutes for such access groups.

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

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(D)(4) following. The Premium and Non Premium per minute charges set forth in 3.8(A) and (B) following will apply to the respective premium and non premium access minutes determined in this manner.

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

The adjustment set forth in (D), (E), and (F) 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.

(H) Conversion of Billed Usage to Minutes

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

ACCESS SERVICE

3. Carrier Common Line Access Service (Cont'd)3.7 Rate Regulations3.7.1 Billing of Charges

Carrier Common Line charges will be billed to each Switched Access Service provider under this tariff in accordance with the regulations as set forth in 3.7.5 following (Determination of Premium and Non Premium Charges) except as set forth in 3.6.4 preceding (Resale).

3.7.2 Measuring and Recording of Call Detail

When access minutes are used to determine Carrier Common Line charges, they will be accumulated using call detail recorded by Telephone Company equipment except as set forth in 3.7.3 following (Unmeasured FGA and B Usage) and Feature Group C operator and automated operator services systems call detail such as pay telephone sent-paid, operator-DDD, operator-person, collect, credit-card, third number and/or other like calls recorded by the customer. The Telephone Company measuring and recording equipment, except as set forth in 3.7.3 following (Unmeasured FGA and FGB Usage), 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.

3.7.3 Unmeasured Feature Group A and B Usage

When Carrier Common Line Access is provided in association with Feature Group A or Feature Group B Switched Access Service in Telephone Company offices that are not equipped for measurement capabilities, an assumed intrastate access minutes of use monthly surrogate, as set forth in Section 6.7.6 following, will be used to determine Carrier Common Line Access charges.

ACCESS SERVICE

3. Carrier Common Line Access Service (Cont'd)3.7 Rate Regulations (Cont'd)3.7.4 Intrastate Use

When the customer reports interstate and intrastate use of in-service Switched Access Service, Carrier Common Line charges will be billed only to intrastate Switched Access Service access minutes based on the data reported by the customer as set forth in Section 2.3.10 preceding (Jurisdictional Reports), except where the Telephone Company is billing according to actuals by jurisdiction. Intrastate Switched Access Service access minutes will, after adjustment as set forth in 3.6.4 preceding (Resale), when necessary, be used to determine Carrier Common Line Charges as set forth in 3.7.5 following.

3.7.5 Determination of Premium and Non Premium Charges

After the adjustments as set forth in 3.6.4 and 3.7.4 preceding have been applied, when necessary, to Switched Access Service access minutes, charges for the involved customer account will be determined as follows:

- (A) Access Minutes for all premium rated Switched Access Service subject to Carrier Common Line charges will be multiplied by the Premium Access per minute rate as set forth in 3.8(A) following.
- (B) Access minutes for all non premium rated Switched Access Service subject to Carrier Common Line charges will be multiplied by the Non Premium Access per minute rate as set forth in 3.8(B) following.
- (C) Carrier Common Line charges shall not be reduced as set forth in 3.6.1 preceding unless Switched Access Charges, as set forth in Section 6 following, are applied to the customer's Switched Access Service.

ACCESS SERVICE

3. Carrier Common Line Access Service (Cont'd)3.7 Rate Regulations (Cont'd)3.7.5 Determination of Premium and Non Premium Charges (Cont'd)

(D) Terminating Premium Access or Non Premium Access, per minute charge(s) apply to:

- all terminating access minutes of use;
- all originating access minutes of use associated with FGA Access Services where the off-hook supervisory signaling is forwarded by the customer's equipment when the called party answers;
- all originating access minutes of use associated with calls placed to 700, Toll Free Code (TFC) and 900 numbers, less the percentage of originating access minutes of use reported by the customer, as set forth following, that are associated with calls placed to 700, TFC and 900 numbers that terminate in a Switched Access Service that is assessed Carrier Common Line charges.

For originating access minutes of use associated with calls placed to 700, TFC and 900 numbers which terminate on a Switched Access Service assessed Carrier Common Line charges, the customer shall report as follows: Effective on the first of January, April, July, and October of each year, the customer shall provide a revised report of the percentage of total interstate 700, TFC and 900 originating minutes of use that terminate in a Switched Access Service assessed Carrier Common Line charges. The customer shall forward the revised report to the Telephone Company, to be received no later than fifteen (15) days after the first of each such month (i.e., January, April, July, and October). The revised report will serve as the basis for the next three months billing (i.e., beginning the first of February, May, August, and November) and will be effective on the customer's bill date for that service. No prorating or backbilling will be done based on the report. In the event the customer does not supply a report, the Telephone Company will assume the percentage to be the same as that provided in the previous quarterly report.

ACCESS SERVICE

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

3.7 Rate Regulations (Cont'd)

3.7.5 Determination of Premium and Non Premium Charges (Cont'd)

(D) (Con'td)

If a billing dispute arises concerning the customer provided report, the Telephone Company will request that the customer provide the data the customer used to determine the percentage. The customer shall keep records from which the reported percentage can be ascertained. The Telephone Company will not request such data more than once a year. Upon request by the Telephone Company, the customer shall make records available for inspection as are reasonably necessary for purposes of verification of the percentages and shall supply the data within 30 days of the Telephone Company request.

For those cases in which a report has never been received from the customer, the terminating premium access or non premium access per minute charges will apply to all 700, Toll Free Code and 900 calls.

ACCESS SERVICE

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

3.7 Rate Regulations (Cont'd)

3.7.5 Determination of Premium and Non Premium Charges (Cont'd)

- (E) Originating Premium Access or Non Premium Access, per minute charge(s) apply to all originating access minutes of use;
- less those originating access minutes of use associated with FGA Access Services where the off-hook supervisory signaling is forwarded by the customer's equipment when the called party answers;
 - less all originating access minutes of use associated with calls placed to 700, Toll Free Code (TFC) and 900 numbers;
 - plus all originating access minutes of use associated with calls placed to 700, TFC and 900 numbers for which the customer furnishes a report of the percentage of minutes that terminate in a Switched Access Service that is assessed Carrier Common Line charges, and for which a corresponding reduction in the number of terminating access minutes of use has been made as set forth in (D) preceding.

3.7.6 Interim Universal Service Fund Charge

An interim universal service fund charge additive will be included in the terminating Carrier Common Line rates as allowed in the commission's rule WAC 480-120-540.

3.7.7 Reserved For Future Use

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ACCESS SERVICE

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

3.8 Rates and Charges

The rate for Carrier Common Line Access is:

| | <u>Rate Per Access Minute</u> |
|------------------------------------|-----------------------------------|
| (A) Premium Common Line Charge | |
| - Terminating | \$0.00000 |
| - Originating | \$0.00000 |
| (B) Non Premium Common Line Charge | |
| - Terminating | \$0.00000 |
| - Originating | \$0.00000 |
| (C) Interim USF Additive | |
| - Terminating | \$.064851 |
| (D) Universal Service Fund Rate | \$.00152* |

* The Universal Service Fund rate mirrors the Washington Exchange Carrier Association's tariff WN U-1.

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4. Reserved For Future Use.

ACCESS SERVICE

5. Ordering Options for Switched and Special Access Service

5.1 General

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

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

5.1.1 Ordering Conditions

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

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

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

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

Orders for Feature Group B Switched Access Service shall be in trunks.

ACCESS SERVICE

5. Ordering Options for Switched and Special Access Service (Cont'd)5.1 General (Cont'd)5.1.1 Ordering Conditions (Cont'd)

The order date, which is known as the Application Date, is the date on which the Telephone Company receives a firm commitment and sufficient information from the customer to allow processing of the Access Order. The customer is advised of the Application Date at the time the Telephone Company gives the customer a firm order confirmation.

5.1.2 Provision of Other Services

- (A) In addition to Switched and Special Services Access Services, other services offered under provisions of this tariff shall be ordered with an Access Order or as set forth in (B) following. The rates and charges for these other services, as set forth in other sections of this tariff, will apply in addition to the ordering charges set forth in this section and the rates and charges for the Access Service with which they are associated.
- (B) With the agreement of the Telephone Company, other services mentioned in (A) preceding may subsequently be added to an Access order at any time, up to and including the service date for an Access Service. When added subsequently, charges for a design change as set forth in 5.2.3(C) following will apply when an engineering review is required.
- (C) Additional Engineering is not an ordering option, but will be applied to an Access Order when the Telephone Company determines that Additional Engineering is necessary to accommodate a customer request. Additional Engineering will only be required as set forth in Section 13.1 following. When it is required, the customer will be so notified and will be furnished with a written statement setting forth the justification for the Additional Engineering as well as an estimate of the charges. If the customer agrees to the Additional Engineering, a firm order will be established. If the customer does not want the service or facilities after being notified that Additional Engineering of Telephone Company facilities is required, the order will be withdrawn and no charges will apply. Once a firm order has been established, the total charge to the customer for the Additional Engineering may not exceed the estimated amount by more than 10%.

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

ACCESS SERVICE

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

5.1 General (Cont'd)

5.1.3 Special Construction

The regulations, rates and charges for special construction are set forth in Section 14 following, and are in addition to the regulations, rates and charges specified in this section.

5.2 Access Order

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

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

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

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

ACCESS SERVICE

5. Ordering Options for Switched and Special Access Service (Cont'd)5.2 Access Order (Cont'd)

- The customer shall also specify that the Feature Group A is to be provided with an extension to a different exchange, if applicable. When such an extension is specified on the order, the customer must also specify the customer's premises in the different exchange with the Switched Access Feature Group A, at which the FGA extension is to be terminated.
- For Feature Group B Switched Access Service, the customer shall specify the number of trunks and the end office when direct routing to the end office is desired or the access tandem switch when routing is desired via an access tandem switch and Local Transport options and Local Switching options desired. When ordering FGB trunks to an access tandem, the customer must also provide the Telephone Company an estimate of the amount of traffic it will generate to and/or from each end office subtending the access tandem to assist the Telephone Company in its own efforts to project further facility requirements. In addition, the customer shall also specify for terminating only access whether the trunks are to be arranged in trunk group arrangements or provided as single trunks. The traffic type must also be specified using the same categories as described in 6.1.1(H) following, to enable efficient provisioning and billing functions.
- When FGA is ordered in a multi-Telephone Company provided Extended Area Service area or FGB is ordered in a multi-Telephone Company access tandem arrangement, the customer must provide a copy of the order to all Secondary Exchange Carriers. Each Exchange Carrier will bill as set forth in 2.4.8 preceding.
- For Feature Group C and D Switched Access Service, the customer shall specify the number of trunks and the end office when direct routing to the end office is desired or the access tandem switch when routing is desired via an access tandem switch and the Local Transport and Local Switching Options desired. When ordering FGC or FGD to an access tandem, the customer must also provide the Telephone Company an estimate of the amount of traffic by type it will generate to and/or from each end office subtending the access tandem to assist the Telephone Company in its own efforts to project further facility requirements. The basic traffic type must also be specified using the same categories as described in 6.1.1(H) following, to enable efficient provisioning and billing functions. When a customer orders FGD the customer is responsible to assure that sufficient access facilities have been ordered to handle its traffic.

ACCESS SERVICE

5. Ordering Options for Switched and Special Access Service (Cont'd)5.2 Access Order (Cont'd)

When ordering FGD with SS7 Signaling, in addition to the information listed in 5.2 preceding, the customer shall specify the signaling point codes and trunk circuit identification codes. The customer must also identify the Common Channel Signaling/Signaling System 7 (CCS/SS7) Interconnection Service link associated with the FGD trunk group.

For Toll Free Code (TFC) Access Service, the customer shall order in the same manner which is set forth preceding for ordering Feature Group D, except that customers may request direct connections to only those end offices and access tandems equipped with TFC Service Switching Point (TFC SSP) functionality. All TFC traffic originating from end offices not equipped with the TFC SSP function must be routed via an access tandem at which the function is available and the TFC Access Service must be ordered accordingly. TFC SSP locations are identified in the National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4. The TFC Access Service customer must advise its Responsible Organization or the TFC Service Management System (TFC SMS) whether the TFC to Local Exchange Number Translation optional feature set forth in Section 6.2.5 following is desired. When the TFC to Local Exchange Number Translation feature is to be delivered to the customer, the customer must provide, via the TFC record in the TFC SMS, the ten digit local exchange number (NPA-NXX-XXXX) to be associated with the translated TFC number. If the TFC to Local Exchange Number Translation optional feature is used, the customer will be unable to determine that such calls originated as 1+800-NXX-XXXX dialed calls unless the customer also orders the Flexible Automatic Number Identification (Flex ANI) optional feature.

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

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

ACCESS SERVICE

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

5.2 Access Order (Cont'd)

- For Interim 500 or 900 Access Service, the customer shall order in the same manner which is set forth preceding for ordering Feature Group D, except that customers may request direct connections to only those end offices designated by the Telephone Company as Interim 500 or 900 Access Service screening offices. Additionally, when new NXX(s) are to be opened in the state, for exchanges served by the Telephone Company, or when existing NNX(s) are to be deleted, and such change is to occur coincident with the service date established for the order, the customer shall provide such information when placing the order for service. If the change is to occur absent the requirement for additional capacity (i.e., quantities of trunks), the customer shall notify the Telephone Company of the change as set forth in 6.6.1(C) and 6.6.1(D) following. All 500 or 900 number assignments and administration shall be in accordance with the North American Numbering Plan (NANP).

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

ACCESS SERVICE

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

5.2 Access Order (Cont'd)

- For all Special Access Services, the customer must specify the customer designated premises or Hubs involved, the type of service (e.g., Voice Grade, High Capacity, etc.), the channel interface, technical specification package and options desired. For multipoint services, the channel interface at each premises may, at the request of the customer, be different but all such interfaces shall be compatible.
- When a customer desires Switched Access Service to an end office that is a remote switching office, the customer must order to the host office which controls the remote switching office since all traffic to and/or from a remote switching office must be routed through the host office.
- For Line Information Data Base (LIDB) Access Service, the customer shall provide a LIDB Access Service Request which specifies the originating point codes of the customer's designated Operator Service System (OSSs) sending the query or queries, the PIU per originating point code (OPC) of the customer's OSS location, and the desired due date of the order.

LIDB Access Service is provided in conjunction with CCS/SS7 Interconnection Access Service *, as set forth in Section 6.1.3(A)(6) following. The customer must arrange for CCS/SS7 Interconnection to the two Telephone Company Interconnecting Signal Transfer Points (STPs) located in Johnson City, Tennessee and Bristol, Tennessee in order to utilize LIDB Access Service.

ACCESS SERVICE

5. Ordering Options for Switched and Special Access Service (Cont'd)5.2 Access Order (Cont'd)

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

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

ACCESS SERVICE

5. Ordering Options for Switched and Special Access Service (Cont'd)5.2 Access Order (Cont'd)5.2.1 Access Order Service Date Intervals

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

- Standard Interval
- Negotiated Interval

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

(A) Standard Interval

The Telephone Company shall publish and make available to all customers a schedule of standard intervals applicable for Switched and Special Access Services. The schedule specifies the services and quantities that can be provided within the published interval. The access order standard intervals are contained in the United Telephone System Access Service Installation Guidelines. Information necessary to order this document can be found in the Reference to Other Publications section of Embarq Local Operating Companies Tariff F.C.C. No. 1.

Access Services provided with a standard interval will be installed during Telephone Company business day. If a customer requests that installation be done outside of normally scheduled working hours, and the Telephone Company agrees to this request, the customer will be subject to applicable Additional Labor Charges as set forth in Section 13.2.6 following.

(B) Negotiated Interval

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

- (1) There is no Standard Interval for the service,
- (2) The quantity of Access Services ordered exceeds the quantities specified in the standard intervals, or
- (3) The customer requests a service date beyond the applicable Standard Interval service date.

ACCESS SERVICE

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

5.2 Access Order (Cont'd)

5.2.1 Access Order Service Date Intervals (Cont'd)

(B) Negotiated Interval (Cont'd)

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

All services for which rates are applied on an individual case basis are provided with a Negotiated Interval.

5.2.2 Access Order Charges

The Access Order Charge is designed to recover the costs associated with processing the customer's order, and will apply on a per order basis. The term "per order" is defined to include all work or service(s) ordered at the same time by the customer, which is performed or provided on the same customer premises. This charge will be in addition to any other applicable nonrecurring charges as set forth in Sections 6, 7, and/or 13 following.

The application of this charge is dependent upon the type of service ordered. The Switched Access Order Charge applies to orders for Switched Access services contained in Section 6 following and for LIDB Access Service contained in Section 15 following. The Special Access Order Charge applies to orders for Special Access services, contained in Section 7 following. The applicable charges are:

| | <u>Charge</u> |
|------------------------------|---------------|
| Switched Access Order Charge | |
| - per order | \$26.15 |
| Special Access Order Charge | |
| - per order | \$33.06 |

ACCESS SERVICE

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

5.2 Access Order (Cont'd)

5.2.3 Access Order Modifications

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

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

Any increase in the number of Special Access Service channels or Switched Access Service lines, trunks, CCS/SS7 Port Terminations or LIDB Originating Point Codes (OPCs) will be treated as a new Access Order (for the increased amount only).

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

ACCESS SERVICE

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

5.2 Access Order (Cont'd)

5.2.3 Access Order Modifications (Cont'd)

(A) Service Date Change Charge

Access Order service dates for the installation of new services or rearrangements of existing services may be changed, but the new service date may not exceed the original service date by more than 120 calendar days. When, for any reason, the customer indicates that service cannot be accepted for a period not to exceed 120 calendar days, and the Telephone Company accordingly delays the start of service, a Service Date Change charge will apply. If the customer requested service date is more than 120 calendar days after the original service date, the order will be cancelled by the Telephone Company and reissued with the appropriate cancellation charges applied unless the customer indicates that billing for the service is to commence as set forth in 5.2.4(A) following.

A new service date may be established that is prior to the original standard or negotiated interval service date if the Telephone Company determines it can accommodate the customer's request without delaying service dates for orders of other customers. If the service date is changed to an earlier date, the customer will be notified by the Telephone Company that Expedited Order Charges as set forth in (D) following will apply. Such charges will apply in addition to the Service Date Change Charge.

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

| | <u>Charge</u> |
|----------------------------|---------------|
| Service Date Change Charge | |
| - per order | \$26.15 |

ACCESS SERVICE

5. Ordering Options for Switched and Special Access Service (Cont'd)5.2 Access Order (Cont'd)5.2.3 Access Order Modifications (Cont'd)(B) Partial Cancellation Charge

Any decrease in the number of ordered Special Access Service channels or Switched Access Service lines, trunks, CCS/SS7 port termination or LIDB originating point codes (OPCs) will be treated as a partial cancellation and the charges as set forth in 5.2.4(B) following will apply.

(C) Design Change Charge

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

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

ACCESS SERVICE

5. Ordering Options for Switched and Special Access Service (Cont'd)5.2 Access Order (Cont'd)5.2.3 Access Order Modifications (Cont'd)(C) Design Change Charge (Cont'd)

| | <u>Charge</u> |
|----------------------|---------------|
| Design Change Charge | |
| - per order | \$26.15 |

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

(D) Expedited Order Charge

When placing an Access Order for service(s) for which standard intervals exist, a customer may request a service date that is prior to the standard interval service date. A customer may also request an earlier service date on a pending standard or negotiated interval Access Order. If the Telephone Company agrees to provide service on an expedited basis, an Expedited Order Charge will apply.

If the Telephone Company is subsequently unable to meet an agreed upon expedited service date, no Expedited Order Charge will apply unless the missed service date was caused by the customer.

ACCESS SERVICE

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

5.2 Access Order (Cont'd)

5.2.3 Access Order Modifications (Cont'd)

(D) Expedited Order Charge (Cont'd)

If the Telephone Company receives a request for an expedited service date at the time a Standard Interval Access Order is placed, the Expedited Order Charge is calculated by summing all the nonrecurring charges associated with the order and then dividing this total by the number of days in the Standard Interval. The charge is then applied on a per day of improvement basis, per order, but in no event shall the charge exceed fifty percent of the total nonrecurring charges associated with the Access Order.

When the Telephone Company receives a request for expediting a pending standard or negotiated interval Access Order, the Expedited Order Charge will be a percentage of the total of all nonrecurring charges applicable for the installation of the service. This percentage is calculated by dividing the number of days of improvement by the number of days in the standard interval. The expedited order charge is developed by multiplying the nonrecurring charges associated with installation of the service by the calculated percentage, but in no event shall the charge exceed fifty percent of the total nonrecurring charges associated with the Access Order.

ACCESS SERVICE

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

5.2 Access Order (Cont'd)

5.2.3 Access Order Modifications (Cont'd)

(D) Expedited Order Charge (Cont'd)

The Expedited Order Charge presumes that all requests for expediting result only in overtime labor costs being incurred by the Telephone Company. If costs other than such overtime labor are to be incurred when an Access Order is expedited, the Telephone Company will develop and quote such costs to the customer, obtain customer authorization and bill the customer in accordance with the special construction terms and conditions of Section 14 following.

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

ACCESS SERVICE

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

5.2 Access Order (Cont'd)

5.2.4 Cancellation of an Access Order

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

- The Access Order shall be canceled and charges set forth in (B) following will apply, or
- Billing for the service will commence.

In any event, the cancellation date or the date billing is to commence (depending on which option is selected by the customer) shall be the 31st day beyond the latest agreed upon service date of the Access Order.

- (B) When a customer cancels an Access Order for the installation of service, a Cancellation Charge will apply as follows:
- (1) Costs incurred in conjunction with the provision of Switched or Special Access Service start on the Application Date as defined in 5.1.1 preceding.
 - (2) When the customer cancels an Access Order or portion thereof prior to the Application Date, no charges shall apply.

ACCESS SERVICE

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

5.2 Access Order (Cont'd)

5.2.4 Cancellation of an Access Order (Cont'd)

(B) (Cont'd)

- (3) When the customer cancels an Access Order on or after the Application Date, a Cancellation Charge will apply.
- (4) Calculation of the Cancellation Charge is as follows:
 - (a) If the customer has requested a Service Date Change beyond the original service date, the resulting additional installation days are included in the service interval.
 - (b) When counting the number of days in the service interval or the number of days from the Access Order Application Date through the Access Order Cancellation Date, the Application Date will count as day one.
 - (c) Except as set forth in (d) following, the Cancellation Charge will be a percentage of the total of all nonrecurring charges associated with the access order, or that part of the order being canceled. This percentage is calculated by dividing the number of days from the Application Date through the Cancellation Date by the number of days in the agreed to service interval. The Cancellation Charge is then developed by multiplying the nonrecurring charges associated with installation of the service by the calculated percentage.
 - (d) The cancellation charge for OC3, OC12 or OC48 services without separate nonrecurring installation charges (e.g., OptiPoint Services) will be calculated as a percentage of the Optical Service Charge set forth in Section 6.8.1 following for each node associated with the cancelled order. This percentage is calculated as specified in (c) above.

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ACCESS SERVICE

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

5.2 Access Order (Cont'd)

5.2.4 Cancellation of an Access Order (Cont'd)

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

ACCESS SERVICE

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

5.2 Access Order (Cont'd)

5.2.5 Minimum Period

- (A) Except as set forth in (B) and (C) and Sections 6.2.8, 6.7.2 and 13.3.4 following, the minimum period for which Access Service is provided and for which charges are applicable, is one month.
- (B) The minimum period for Switched Access Service Feature Group D is three months.
- (C) Service Rearrangements as set forth in Sections 6.7.1(C)(3) and 7.4.1(B)(3) following for Switched and Special Access Services respectively, may be made without a change in minimum period requirements.
- (D) Changes other than those identified in Sections 6.7.1(C)(3) and 7.4.1(B)(3) following will be treated as a discontinuance service. All associated nonrecurring charges will apply for the new service. A new minimum period will be established for the new service. The customer will also remain responsible for all outstanding minimum period obligations associated with the disconnected service.

The changes listed below are those which will be treated as a discontinuance and installation of service and for which a new minimum period will be established.

ACCESS SERVICE

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

5.2 Access Order (Cont'd)

5.2.5 Minimum Period (Cont'd)

(D) (Cont'd)

- (1) A change of customer of record (i.e., Access Service is provided to and billed to a different entity).
- (2) A move to a different building as set forth in Sections 6.7.5(B) or 7.4.2(B) following.
- (3) A change in type of service (i.e., Switched Access to Special Access, one type of Special Access to another, or one type of Switched Access Feature Group to another except as set forth in 6.7.4 following).
- (4) A change in the type of Special Access Service Channel Termination.
- (5) A change in Switched Access Service or Directory Assistance Service Interface Group.
- (6) Change in Switched Access Service traffic type.
- (7) Change from two-point to multipoint Special Access Service or from multipoint to two-point Special Access Service.

ACCESS SERVICE

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

5.2 Access Order (Cont'd)

5.2.6 Minimum Period Charges

When Access Service is disconnected at the customer's request prior to the expiration of the minimum period, charges are applicable for the balance of the minimum period.

The Minimum Period Charge for services provided with a one month minimum period 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 6.7.4 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 Section 7.5 following.

The Minimum Period Charge for Feature Group D Switched Access Service will be determined as set forth in Section 2.4.2 preceding.

All applicable nonrecurring charges for the service will be billed in addition to the Minimum Period Charge.

ACCESS SERVICE

6. Switched Access Service6.1 General

Switched Access Service, which is available to customers for their use in furnishing their services to end users, provides a two-point electrical communications path between a customer's premises and an end user's premises. It provides for the use of common terminating, switching and trunking facilities and common subscriber plant of the Telephone Company. Switched Access Service provides for the ability to originate calls from an end user's premises to a customer's premises, and to terminate calls from a customer's premises to an end user's premises in the LATA where it is provided. Specific references to material describing the elements of Switched Access Service are provided in 6.1.1 and 6.1.3 following.

Rates and charges for Switched Access Service depend generally on its use by the customer, i.e., for MTS or WATS services, MTS-WATS equivalent services, or other services (e.g., foreign exchange service), and whether it is provided in a Telephone Company end office that is equipped to provide equal access (Feature Group D Access, described in 6.1.1(D) following). Rates and charges for Switched Access Service are set forth in 6.8 following. The application of rates for Switched Access Service is described in 6.7 following. Rates and charges for services other than Switched Access Service, e.g., a customer's interLATA and intraLATA toll message service, may also be applicable when Switched Access Service is used in conjunction with these other services. Descriptions of such applicability are provided in 6.2.1(A)(7), 6.2.1(B)(3), 6.2.2(A)(5), 6.2.2(B)(3), 6.2.3(A)(5), 6.2.4(A)(4), 6.7.8 and 6.7.10 following.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.1 Switched Access Service Arrangements and Manner of Provision

Switched Access Service is provided in seven service categories of standard and optional features called Feature Groups A through D, Interim 500 Access Service, Toll Free Code (TFC) Access Service, and 900 Access service. These are differentiated by their technical characteristics, e.g., line side vs. trunk side connection at the Telephone Company entry switch, and the manner in which an end user accesses them in originating calls, e.g., with or without an access code. Following is a brief description of each type of Switched Access Service arrangement.

(A) Feature Group A (FGA)

FGA Access provides line side access to Telephone Company end office switches with an associated seven digit local telephone number for the customer's use in originating and terminating communications to an Interexchange Carrier's intrastate service or a customer provided intrastate communications capability. The customer must specify the Interexchange carrier to which the FGA service is connected or in the alternative, specify the means by which the FGA access communications is transported 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. Special Access Services are ordered as set forth in 5.2 preceding. A more detailed description of FGA Access is provided in 6.2.1 following.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.1 Feature Group Arrangements and Manner of Provision (Cont'd)(B) Feature Group B (FGB)

FGB Access provides trunk side access, either by direct trunks to Telephone Company end office switches or between an access tandem and Telephone Company subtending end office switches, with an associated uniform 950-0XXX or 950-1XXX access code for the customer's use in originating and terminating communications to an Interexchange Carrier's intrastate service or a customer provided intrastate communications capability. The customer must specify the Interexchange Carrier to which the FGB service is connected, or in the alternative, specify the means by which the FGB access communications is transported 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. Special Access Services are ordered as set forth in 5.2 preceding. A more detailed description of FGB Access is provided in 6.2.2 following.

(C) Feature Group C (FGC)

FGC Access, which is available only to providers of MTS and WATS, provides trunk side access to Telephone Company end office switches for the customer's use in originating and terminating communications. This service is available in all end offices which are not equipped for Feature Group D End Office Switching. Existing FGC Access will be converted to Feature Group D Access when it 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. Special Access Services are ordered as set forth in Section 5.2 preceding. A more detailed description of FGC Access is provided in 6.2.3 following.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.1 Feature Group Arrangements and Manner of Provision (Cont'd)

(D) Feature Group D (FGD)

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

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

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

(E) Toll Free Code (TFC) Access Service

Toll Free Code (TFC) Access Service is an originating service that is provided via TFC Access Service switched trunk groups, or may be provided in conjunction with FGB, FGC, or FGD. The service provides for the forwarding of end user dialed TFC calls to a Telephone Company Service Switching Point (SSP) which will initiate a query to the Telephone Company's TFC data base to perform the customer identification function. The call is forwarded to the appropriate customer based on the dialed TFC number. The customer has the option of having the TFC dialed number (i.e., 800-NXX-XXXX) or, if the TFC to local exchange number translation optional feature is specified, a translated ten digit local exchange number (i.e., NPA-NXX-XXXX) delivered to the customer premises.

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

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.1 Feature Group Arrangements and Manner of Provision (Cont'd)

(F) 900 Access Service

900 Access Service is an originating service that is provided via 900 Access Service switched trunk groups, or may be provided in conjunction with FGB, FGC or FGD. The Service provides the customer identification function (900 NXX screening) based on the first six digits of the dialed 900 number. When a 1 + 900 + NXX + XXXX call is originated by an end user, a customer identification function determines the customer to which the call is to be routed based on the NXX dialed.

When a customer requests that the Telephone Company open a 900 NXX access code for exchanges served by the Telephone Company within a specified state, LATA or service area subtending an access tandem, the order must include the provisioning of all Telephone Company offices within that state, LATA or all offices subtending the specified access tandem.

When 900 Access Service traffic is combined in the same trunk group arrangement with other traffic, usage for the 900 Access Service traffic will be aggregated with the other traffic for billing purposes. When separate trunk groups are provided for 900 Access Service, usage will be provided separately. A more detailed description of 900 Access Service is as set forth in 6.2.6.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.1 Feature Group Arrangements and Manner of Provision (Cont'd)

(G) Interim 500 Access Service

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

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

When Interim 500 Access Service traffic is combined in the same trunk group arrangement with other traffic, usage for the Interim 500 Access Service traffic will be aggregated with the other traffic for billing purposes. When separate trunk groups are provided for the Interim 500 Access Service, usage will be provided separately. A more detailed description of Interim 500 Access Service is as set forth in 6.2.7.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.1 Feature Group Arrangements and Manner of Provision (Cont'd)

(H) Manner of Provision

Switched Access is furnished in either quantities of lines or trunks. FGA Access is furnished on a per-line basis, and FGB, FGC, and FGD are furnished on a per trunk basis as set forth in Section 5.2 preceding.

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

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

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

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 WATS Access Line Service

WATS Access Line Service is a type of Voice Grade Special Access Service that is provided only for use with Feature Group C and D Switched Access Service. WATS Access Line Service connects an end user premises with a WATS or WATS-type Serving Office. Special Access Services are ordered as set forth in Section 7 following.

6.1.3 Rate Categories

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

- Switched Transport (described in 6.1.3 (A) following)
- Local Switching (described in 6.1.3 (B) following)
- Common Line (described in Section 3 preceding)

In addition to these three rate categories, there are also charges which apply only to Interim 500, Toll Free Code (TFC) and 900 Access Service. The description and applications of TFC Access Service charges are set forth in 6.1.3(C) following. The description and application for 900 Access Service charges are set forth in 6.1.3(D), 6.7.1(C)(4), and 6.7.13 following. The description and application of 500 Access Service charges are set forth in 6.1.3(E), 6.7.1(C)(5), and 6.7.13 following.

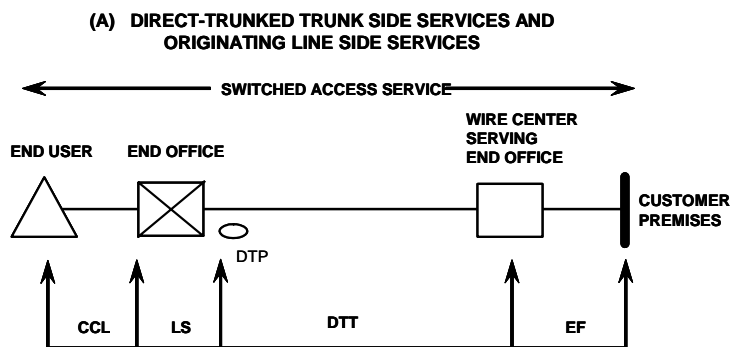
ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

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



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

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

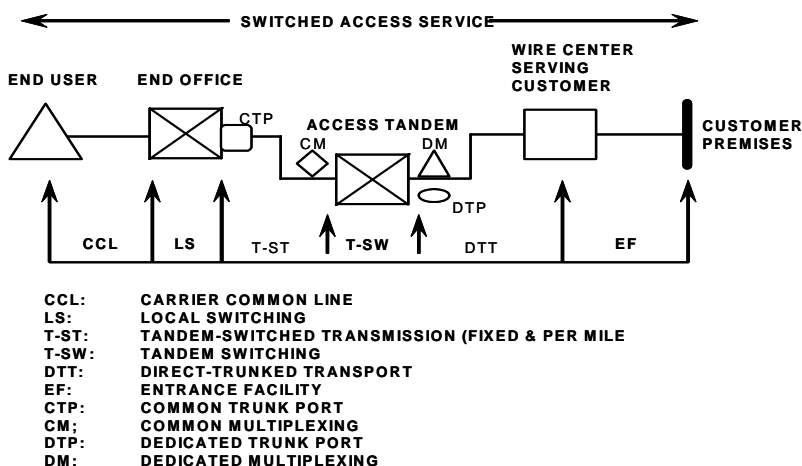
ACCESS SERVICE

6. Switched Access Service (Cont'd)

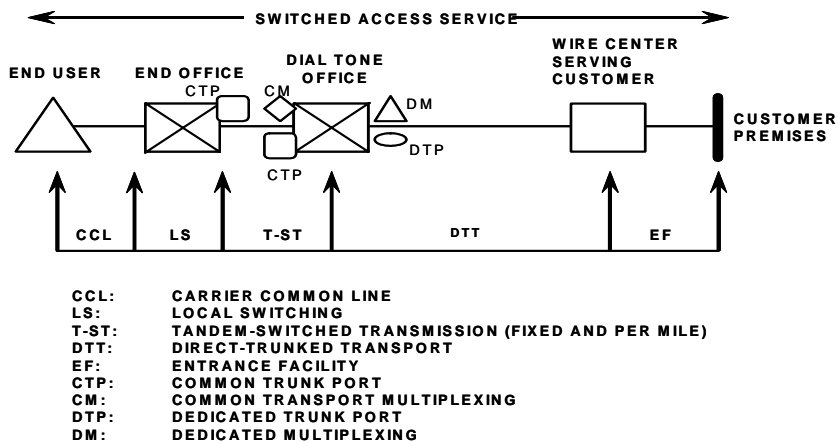
6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(B) TANDEM-SWITCHED TRUNK SIDE SERVICES



(C) TERMINATING LINE SIDE SERVICES



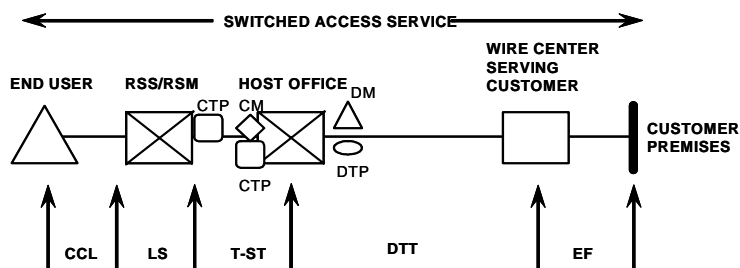
ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

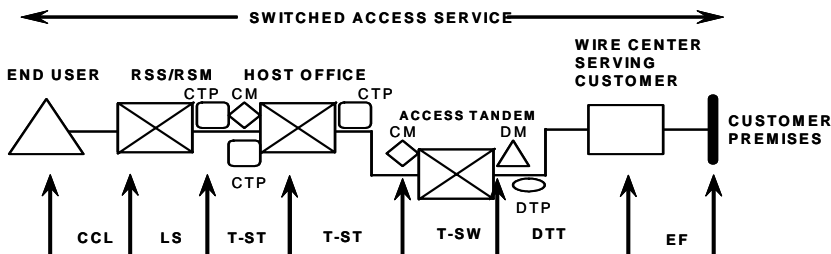
6.1.3 Rate Categories (Cont'd)

(D) DIRECT-TRUNKED HOST/REMOTE ARRANGEMENTS



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

(E) TANDEM-SWITCHED HOST/REMOTE ARRANGEMENTS



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

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.3 Rate Categories (Cont'd)(A) Switched Transport

The Switched Transport rate category provides the transmission facilities between the customer's premises and the end office switch(es) where the customer's traffic is switched to originate or terminate the customer's communications. For purposes of determining Switched Transport mileage, distance will be measured from the wire center that normally serves the customer's premises to the end office switch(es).

Switched Transport is a one way or 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 customer's premises) and in the terminating direction (from the customer's premises 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.

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

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

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

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

Switched Transport is provided at the rates and charges as set forth in 6.8.2 following. The application of these rates with respect to individual Switched Access Service arrangements is set forth in 6.7.1(D) following.

The number of Switched Transport transmission paths and terminations provided is based on the customer's order and is determined by the Telephone Company as set forth in 6.5.5 following.

(1) Entrance Facility

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

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.3 Rate Categories (Cont'd)(A) Switched Transport (Cont'd)(1) Entrance Facility (Cont'd)

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

(a) Voice Grade Entrance Facility

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

(b) DS1 Entrance Facility

DS1 Entrance Facility provides 24 channels for the transmission of nominal 56 kbps or 1.544 Mbps isochronous serial data. The actual bit rate and framing format is a function of the channel interface selected by the customer.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.3 Rate Categories (Cont'd)(A) Switched Transport (Cont'd)(1) Entrance Facility (Cont'd)(c) DS3 Entrance Facility

DS3 Entrance Facility provides 28 DS1s or 672 channels for the transmission of nominal 44.736 Mbps isochronous serial data.

With DS3, an interface which provides an electrical signal with a transmission speed of 44.736 Mbps per channel will be installed at the customer's premises.

DS3 Entrance Facility rates may vary based on distance. The mileage used to determine the monthly rate for entrance facilities located outside a Telephone Company Central Office is the airline distance between the customer's designated premises and the Telephone Company serving wire center. The mileage measurement is determined by utilizing exchange maps and mileage tables located in designated Telephone Company offices for such purposes.

(d) STS1 Entrance Facility

Synchronous Transport Signal Level 1 (STS1) channels provide for the SONET transmission of 51.84 Mbps of data. The signal consists of overhead and a Synchronous Payload Envelope (SPE). The overhead portion of the signal is used for controlling, framing and maintaining the signal. The SPE contains the customer information.

STS1 is provisioned over the Telephone Company's SONET network and may be configured as a stand alone two-point service or connected to an OC level SONET service (e.g., switched OptiPoint Service) or hubbed to an STS1/DS1 Multiplexer.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.3 Rate Categories (Cont'd)(A) Switched Transport (Cont'd)(1) Entrance Facility (Cont'd)(d) STS1 Entrance Facility (Cont'd)

Customers ordering STS1 service must specify the interface requested (i.e., STS1 interface or DS3 interface) and how the signal is to be formatted (i.e., STS1, STS1 with VT1.5 mapping, or STS1 with DS3 mapping). An STS1 with VT1.5 mapping can be multiplexed to 28 DS1s using the STS1/DS1 Multiplexing optional feature set forth in 6.1.3(A)(5)(d) following. Virtual Tributary (VT) mapping is a SONET structure designed for the transport of sub-STS1 payloads. A DS1 is mapped into the SONET format using a VT1.5 as a packaging mechanism that is internal to the SONET signal.

Current SONET standards do not provide for asynchronous DS3 to DS1 multiplexing. An STS1 may be mapped for either one DS3 or 28 DS1s. However, individual DS1s within a DS3 are not accessible within the SONET architecture, and their performance cannot be guaranteed for this reason. When the customer requests that an STS1 be mapped as a DS3 multiplexed to the DS1 level, a DS3 to DS1 multiplexing arrangement, as set forth in 6.1.3(A)(5)(d) following will be required.

STS1 Entrance Facility rates may vary based on distance. The mileage used to determine the monthly rate for entrance facilities located outside a Telephone Company Central Office is the airline distance between the customer's designated premises and the Telephone Company serving wire center. The mileage measurement is determined by utilizing exchange maps and mileage tables located in designated Telephone Company offices for such purposes.

STS1 service is provided where SONET facilities are available with sufficient bandwidth capacity to meet the customer's request.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.3 Rate Categories (Cont'd)(A) Switched Transport (Cont'd)(1) Entrance Facility (Cont'd)(e) OptiPoint Entrance Facilities

OptiPoint entrance facilities provide point-to-point high speed synchronous optical fiber-based full duplex data transmission capabilities. Detailed service description for OptiPoint Services is set forth in 6.2.8 following.

(2) Direct-Trunked Transport

Direct-Trunked Transport provides the communication path between the serving wire center of a customer's premises and an end office or between the serving wire center and an access tandem when transport from the access tandem to the end office is routed on circuits used in common by multiple access customers. Direct-Trunked Transport is dedicated to the use of a single customer and does not require switching at an access tandem. Direct-Trunked Transport is available for use with all line side and trunk side Switched Access services.

Direct-Trunked Transport is not available to end offices that lack recording and measuring capabilities needed to provide Direct-Trunked Transport. Direct-Trunked Transport is also not available for TFC Access Service when the required SSP function is located at the access tandem.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(2) Direct-Trunked Transport (Cont'd)

Direct-Trunked Transport provides for the transmission facilities between the Telephone Company's serving wire center and an end office when such facilities are not switched through an access tandem or between the Telephone Company's serving wire center and the access tandem. This includes the transmission medium itself as well as certain circuit equipment that is used at the ends of the interoffice links and employed to provision the channels on the transitional medium and circuit equipment used within the network to manage the circuits at intermediate locations.

Direct-Trunked Transport also provides for the transmission facilities between the Telephone Company's serving wire center and a hub that interconnects facilities for both Tandem-Switched Transmission and Direct-Trunked Transport.

The Telephone Company applies a 50% billing percentage to the Direct-Trunked Transport termination (fixed) rate on jointly-owned circuits, and applies 100% on wholly-owned circuits. When the Direct-Trunked Transport facility is zero (i.e., collocated serving wire center), neither the Direct-Trunked Transport facility (per mile) rate nor the Direct-Trunked Transport termination (fixed) rate will apply.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.3 Rate Categories (Cont'd)(A) Switched Transport (Cont'd)(3) Tandem-Switched Transport

Tandem-Switched Transport provides the communication path between the access tandem and an end office that subtends that tandem, and includes tandem switching functions. Tandem-Switched Transport is available for use with all trunk side Switched Access services. Tandem-Switched Transport is not available for use with line side Switched Access services.

Tandem-Switched Transport provides for the transmission facilities between the access tandem and an end office that subtends the tandem. Tandem-Switched Transport is composed of four sub elements:

- (a) Tandem-Switched Transmission, which provides for the transmission facilities from the Telephone Company's access tandem switch to an end office subtending that tandem. This includes the transmission medium itself as well as certain circuit equipment that is used at the ends of the interoffice links and employed to derive the channels on the transmission medium, and circuit equipment used within the network to manage the circuits at intermediate locations.

The Telephone Company applies a 50% billing percentage to the Tandem-Switched Transport termination (fixed) rate on jointly-owned circuits, and applies 100% on wholly-owned circuits. When the Tandem-Switched Transport Facility is zero (i.e., collocated serving wire centers), neither the Tandem-Switched Transport Facility (per mile) rate nor the Tandem-Switched Transport Termination (fixed) rate will apply.

- (b) Tandem Switching, which provides for use of the Telephone Company's access tandem.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.3 Rate Categories (Cont'd)(A) Switched Transport (Cont'd)(3) Tandem-Switched Transport (Cont'd)

- (c) Common Transport Multiplexing provides for the use of the multiplexing equipment at the remote, the end office, and at the access tandem. The common transport multiplexing rate element is assessed on a per minute of use basis at both the end office and tandem.
- (d) Dedicated Transport Multiplexing provides for the use of multiplexing equipment at the end office and access tandem. The dedicated transport multiplexing rate element is a flat rated charge and is assessed at both the end office and tandem. Dedicated transport multiplexing is provided at the rates set forth in 6.8.2(D) following for DS3 to DS1 multiplexing.
- (e) Tandem Trunk Port

The trunk port rate elements are defined as follows:

- Common Trunk Port

The Common Trunk Port provides for the use of shared end office trunk ports for the termination of common transport trunks for tandem or end office routed traffic.

- Dedicated Trunk Port

The Dedicated Trunk Port provides for termination of a dedicated trunk as a trunk side arrangement to an end office or provides access into the access tandem at the serving wire center side of the switch.

Switched Transport is provided at the rates and charges as set forth in 6.8.2 following. The application of these rates with respect to individual Switched Access Service Arrangements is set forth in 6.7.1(C) following.

The number of Switched Transport transmission paths and terminations provided is based on the customer's order and is determined by the Telephone Company as set forth in 6.5.5 following.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.3 Rate Categories (Cont'd)(A) Switched Transport (Cont'd)(4) Nonchargeable Optional Features

Where transmission facilities permit, the Telephone Company will, at the option of the customer, provide the following optional features in association with the Interface Groups listed in 6.4.3(A) through 6.4.3(E) following. Only those Interface Groups referenced with each optional feature will be provided with that feature.

(a) Supervisory Signaling

Where transmission parameters permit, and where signaling conversion is required by the customer to meet its signaling capability, the customer may order an optional supervisory signaling arrangement for each transmission path provided as follows:

- For Interface Groups 1 and 2

DX Supervisory Signaling,
E&M Type I Supervisory Signaling,
E&M Type II Supervisory Signaling, or
E&M Type III Supervisory Signaling

- For Interface Group 2

SF Supervisory Signaling, or
Tandem Supervisory Signaling

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.3 Rate Categories (Cont'd)(A) Switched Transport (Cont'd)(4) Nonchargeable Optional Features (Cont'd)(a) Supervisory Signaling (Cont'd)

- For Interface Groups 6 and 9.

These Interface Groups may, at the option of the customer, be provided with individual transmission path SF supervisory signaling where such signaling is available in Telephone Company central offices. Generally such signaling is available only where the entry switch provides an analog, i.e., non digital, interface to the transport termination and a portion of the facility between the analog entry switch and the customer's premises is analog. These Supervisory Signaling arrangements are not available in combination with the SS7 Signaling feature described in 6.3(DD).

(b) Improved Return Loss

This feature provides Improved Return Loss, expressed as Echo Return Loss and Singing Return Loss, on two-wire ports of a four-wire point of termination. The specific parameters guaranteed are set forth in 6.4.1 following. This feature is available with all Feature Groups.

(5) Chargeable Optional Features(a) Provision of Other Than Telephone Company Selected Traffic Routing

This option allows the customer to specify a particular traffic routing for trunk groups in lieu of Telephone Company selected routing, i.e., the customer may specify that the routing be on a direct trunk basis or via an access tandem. It is available with Feature Groups B, C and D, and Interim 500, Toll Free Code (TFC) and 900 Access Service.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.3 Rate Categories (Cont'd)(A) Switched Transport (Cont'd)(5) Chargeable Optional Features (Cont'd)(b) Customer Specification of Feature Group Directionality

This option allows the customer to specify that the operation of a trunk group will be one-way originating or terminating calling in lieu of Telephone Company selected two-way calling or, alternatively, that operation will be two-way calling in lieu of Telephone Company selected one-way calling. It is available with Feature Groups B, C and D.

(c) Customer Specification of Switched Transport Termination

This option allows the customer to specify, for Feature Group B routed directly to an end office or access tandem, a four-wire termination of the Switched Transport at the entry switch in lieu of a Telephone Company selected two-wire termination. This option is available only when the Feature Group B arrangement is provided with Type B Transmission Specifications.

These options are rated on an individual case basis with both nonrecurring charges and monthly recurring rates applying.

(d) Multiplexing

Multiplexing provides for arrangements to convert a single higher capacity or bandwidth circuit for bulk transport to several lower capacity or bandwidth circuits. Multiplexing is only available at Telephone Company designated Hubs arranged for multiplexing or at the access tandem trunk on the serving wire center side of the access tandem. All types of multiplexing may not be available at each Hub location.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(5) Chargeable Optional Features (Cont'd)

(d) Multiplexing (Cont'd)

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 a 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.

STS1/DS1 Multiplexing

An arrangement that provides transport of sub-STS1 payloads by converting an STS1 with VT1.5 mapping to 28 DS1s. The STS1/DS1 Multiplexing feature is available at Telephone Company provided fiber optic terminals equipped with VT1.5 configuration cards.

The options described in (a), (b), and (c) preceding are rated on an individual case basis with both nonrecurring charges and monthly recurring rates applying. The rates and charges applicable for the multiplexing options described in (d) preceding are set forth in 6.8.2(D) following.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(6) Common Channel Signaling/Signaling System 7 (CCS/SS7)
Interconnection Service

Common Channel Signaling/Signaling System 7 (CCS/SS7) Interconnection Service is available to customers for their use in furnishing their services to end users as specified in Embarq Local Operating Companies Tariff F.C.C. No. 1. Common Channel Signaling/Signaling System 7 (CCS/SS7) Interconnection Service is not offered in Washington's intrastate jurisdiction.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(B) Local Switching

The Local Switching rate element provides for the use of end office switching equipment for the termination of end user lines in the local end office, and for the termination of a call at a Telephone Company operator or recording. There are various types of originating and terminating line side terminations depending on the type of signaling used (i.e., loop start or ground start). Line side terminations are available with either dial pulse or dual tone multi-frequency address signaling.

The intercept function informs a caller why a call, as dialed, could not be completed, and if possible, provides the caller with information required to complete the call.

The Local Switching rate is divided into two distinct categories, i.e., LS1 and LS2. The first category, LS1, provides local dial switching for Feature Groups A and B. The second category, LS2, provides local dial switching for Feature Groups C and D.

Where end offices are appropriately equipped, international dialing may be provided as a capability associated with LS2. International dialing provides the capability of switching international calls with service prefix and address codes having more digits than are capable of being switched through a standard FGC or FGD equipped end office.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(B) Local Switching (Cont'd)

Rates for LS1 and LS2 are set forth in 6.8.3 following. The application of these rates with respect to individual Feature Groups is as set forth in 6.7.1(D) following.

Included as part of Local Switching are various optional features which a customer can order to meet its specific communications requirements. These optional features are described in 6.3.1 following.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(C) Toll Free Code (TFC) Access Service

The TFC Access Service Data Base Query Charge, as set forth in 6.8.4(A) following, will apply for each TFC call query received at the Telephone Company's TFC data base. Per query charges will be accumulated over a monthly period and billed to the customer on a monthly basis.

Included as a part of TFC Access Service are various optional service features, described in 6.2.5(C) following, which the customer may specify to meet its specific requirements. The rates for the TFC Data Base Optional Service Features are set forth in 6.8.4(B) following and will apply on a per query basis. When a combination of one or more optional service features is specified, only one such charge shall apply. Per query service option charges will be accumulated over a monthly period and billed to the customer on a monthly basis.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(D) 900 Access Service Nonrecurring Charges

The 900 Access Service nonrecurring charge is assessed depending upon how the service is ordered:

- (1) If the service is ordered for the state or LATA, the customer charge for the assembly of route tables is assessed for each end office the Telephone Company serves in the state or LATA. A second nonrecurring charge element applies per NXX activated or deactivated, times the number of Telephone Company access tandems or end offices modified to perform six digit screening for 900 Access Service.
- (2) The second alternative allows for the service to be ordered to only one access tandem or end office performing six digit screening. The customer charge for the assembly of route tables is assessed for each end office subtending the access tandem (including a collocated end office, if applicable). A second nonrecurring charge element applies per NXX activated or deactivated, times the designated Telephone Company access tandem(s) or end office(s) modified to perform six digit screening for 900 Access Service. This option can be applied repetitively to different tandems to customize the intended offering area.

The route pattern nonrecurring charges applies only once, on the customer's initial request to the Telephone Company for 900 Access Service in each LATA or state. If the customer places an order using option (2) above, the route pattern nonrecurring charges applies to each end office specified in the order received.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(E) Interim 500 Access Service Nonrecurring Charges

The Interim 500 Access Service nonrecurring charge is assessed depending upon how the service is ordered:

- (1) If the service is ordered for the state or LATA, the customer charge for the assembly of route tables is assessed for each end office/tandem the Telephone Company serves in the state or LATA. A second nonrecurring charge element applies per NXX activated or deactivated, times the number of Telephone Company access tandems or end offices modified to perform six digit screening for Interim 500 Access Service.
- (2) The second alternative allows for the service to be ordered to only one access tandem or end office performing six digit screening. The customer charge for the assembly of route tables is assessed for each end office subtending the access tandem (including a collocated end office, if applicable). A second nonrecurring charge element applies per NXX activated or deactivated, times the designated Telephone Company access tandem(s) or end office(s) modified to perform six digit screening for Interim 500 Access Service. This option can be applied repetitively to different tandems to customize the intended offering area.

The route pattern nonrecurring charge applies only once, on the customer's initial request to the Telephone Company for Interim 500 Access Service in each LATA or state. If the customer places an order using option (2) above, the route pattern nonrecurring charge applies to each end office specified in the order received.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.4 Special Facilities Routing

Any customer may request that the facilities used to provide Switched Access Service be specially routed. The regulations, rates and charges for Special Facilities Routing (i.e., Avoidance, Diversity and Cable-Only) are set forth in Section 11 following

6.1.5 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

6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.6 Testing(A) Acceptance Testing

At the customers request, the Telephone Company will cooperatively test certain parameters at the time of installation. These parameters include: loss, c-notched noise, c-message noise, 3-tone slope, d.c. continuity, and operational signaling. When Switched Transport is provided with Interface Groups 2, 6 and 9, and the Transport Termination is two-wire (i.e., there is a four-wire to two-wire conversion in Switched Transport), balance parameters (equal level echo path loss) may also be tested. The customer will not be charged for these tests.

Activation of 500 or 900 NXX codes will be tested by the Telephone Company by placing a test call from each end office where six digit screening is performed. In locations where six digit screening is performed at an access tandem with multiple subtending end offices, a minimum of one subtending end office will be tested by the Telephone Company. No charge will be made for these tests.

(B) In-Service Testing

At the customer's request, the Telephone Company will provide In-Service Testing of Feature Group C and D services after the time of installation. The customer will not be charged for these tests. These In-Service Tests will be provided on an automatic basis (i.e., no Telephone Company or customer technicians involved) or on a cooperative basis (i.e., Telephone Company technician(s) involved at the Telephone Company end office and customer technician(s) involved at the customer's premises). The parameters to be tested include: 1004 Hz loss, c-message noise, and balance (return loss).

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.6 Testing

(B) In-Service Testing (Cont'd)

In the case of Automatic Testing, the customer shall provide remote office test lines and 105 type test lines with associated responders or their functional equivalent. When Automatic Testing is not available in a Telephone Company end office, Cooperative Testing will be substituted.

The 1004 Hz loss and c-message noise tests will be provided on a quarterly basis, while the balance test will be provided on an annual basis.

Additional test may be ordered as set forth in Section 13.3.4 following. Charges for these additional tests are set forth in Section 13.3.4(C).

6.1.7 Ordering Options and Conditions

Switched Access Service is ordered under the Access Order provisions set forth in Section 5 preceding. Also, included in that section are other charges which may be associated with ordering Switched Access Service (e.g., Service Data Change Charges, Cancellation Charges, etc.).

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Provision and Description of Switched Access Service Arrangements

Switched Access Service is provided in four different Feature Group arrangements and as Interim 500, Toll Free Code (TFC) and 900 Access Service. The provision of each service type requires Switched Transport facilities and the appropriate End Office functions.

There are three specific transmission specifications (i.e., Types A, B, and C) that have been identified for the provision of Switched Access Service. The specifications provided are dependent on the Interface Group and the routing of the service, i.e., whether the service is routed directly to the end office or via an access tandem. The parameters for the transmission specifications are set forth in 6.4.1 following.

Feature Groups are arranged for either originating, terminating or two-way calling, based on the customer end office switching capacity ordered, while Interim 500 Access Service, TFC Access Service and 900 Access Service is arranged for originating calling only. Originating calling permits the delivery of calls from Telephone Exchange Service locations to the customer's premises.

Terminating calling permits the delivery of calls from the customer's premises to Telephone Exchange Service locations. Two-way calling permits the delivery of calls in both directions, but not simultaneously. The Telephone Company will determine the type of calling to be provided unless the customer requests that a different type of directional calling is to be provided. In such cases, the Telephone Company will work cooperatively with the customer to determine the directionality.

There are various chargeable and nonchargeable optional features available with the Switched Access Service. These additional optional features are provided as Switched Transport and Local Switching options.

Following are detailed descriptions of each of the available Switched Access Services. Each service is described in terms of its specific physical characteristics and calling capabilities, the transmission specifications with which it is provided, optional features available for use with it and the standard testing capabilities.

The Local Switching optional features, which are described in 6.3 following, unless specifically stated otherwise, are available at all suitably equipped Telephone Company end office switches.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)6.2.1 Feature Group A (FGA)(A) Description

- (1) FGA is provided in connection with Telephone Company electronic end offices. At the option of the customer, FGA is provided on a single or multiple line group basis and is arranged for originating calling only, terminating calling only, or two-way calling.
- (2) FGA provides a line side termination at the first point of switching. The line side termination will be provided with either ground start supervisory signaling or loop start supervisory signaling. The type of signaling is at the option of the customer.
- (3) The Telephone Company shall select the first point of switching, within the selected LATA, at which the line side termination is to be provided unless the customer requests a different first point of switching and Telephone Company facilities and measurement capabilities, where necessary, are available to accommodate such a request.
- (4) A seven digit local telephone number assigned by the Telephone Company is provided for access to FGA switching in the originating direction. The seven Digit local telephone number will be associated with the selected end office switch and is of the form NXX-XXXX.

If the customer requests a specific seven digit telephone number that is not currently assigned, and the Telephone Company can, with reasonable effort, comply with that request, the requested number will be assigned to the customer.

- (5) FGA switching, when used in the terminating direction, is arranged with dial tone start-dial signaling. When used in the terminating direction FGA switching may, at the option of the customer, be arranged for dial pulse or dual tone multifrequency address is provided in a hunt group or uniform call distribution arrangement, all FGA switching will be arranged of the same type of address signaling.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

6.2.1 Feature Group A (FGA) (Cont'd)

(A) Description (Cont'd)

- (6) No address signaling is provided by the Telephone Company when FGA Switching is used in the originating direction. Address signaling in such cases, if required by the customer, must be provided by the customer's end user using inband tone signaling techniques. Such inband tone address signals will not be regenerated by the Telephone Company and will be subject to the ordinary transmission capabilities of the Switched Transport provided.
- (7) FGA switching, when used to furnish service in the terminating direction, may be used to access valid NXXs in the toll free calling area, local operator assistance (0- and 0+), Directory Assistance (411 where available and 555-1212), emergency reporting service (911 where available), exchange telephone repair (611 where available), time or weather announcement services of the Telephone Company, community information services of an information service provider, and other customers services (by dialing the appropriate digits). Calls outside the toll free calling area will incur all other charges as appropriate including intrastate or interstate toll charges. Charges for FGA terminating calls requiring operator assistance or calls to 611 or 911 will only apply where sufficient call details are available.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)6.2.1 Feature Group A (FGA) (Cont'd)(A) Description (Cont'd)

(7) (Cont'd)

Additional non-access charges will also be billed on a separate account for (1) an operator surcharge, as set forth in the local exchange tariffs, for local operator assistance (0- and 0+) calls; (2) calls to certain community information services, for which rates are applicable under Telephone Company exchange service tariffs, e.g., 976 (DIAL-IT) Network Services and, (3) calls from a FGA line to another customer's service in accordance with that customer's applicable service rates when the Telephone Company performs the billing function for that customer, including interLATA toll (1+) calls. For calls to Directory Assistance (411 where available and 555-1212), Switched Transport rates for FGA Switched Access Service will apply.

- (8) When a FGA switching arrangement for an individual customer (a single line or entire hunt group) is discontinued at an end office, an intercept announcement is provided. This arrangement provides, for a period of 90 days, an announcement that the service associated with the number dialed has been disconnected.

(B) Optional Features(1) Local Switching Optional Features

- (a) Hunt Group Arrangement
- (b) Uniform Call Distribution Arrangement
- (c) Nonhunting Number of Use with Hunt Group Arrangement or Uniform Call Distribution Arrangement
- (d) Toll Call Denial
- (e) Service Code Denial
- (f) InterLATA Call Denial

ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

6.2.1 Feature Group A (FGA) (Cont'd)

(B) Optional Features (Cont'd)

(1) Local Switching Optional Features (Cont'd)

- (g) Two-way operation with dial pulse address signaling and loop start supervisory signaling
- (h) Two-way operation with dial pulse address signaling and ground start supervisory signaling
- (i) Two-way operation with dual tone multifrequency address signaling and loop start supervisory signaling
- (j) Two-way operation with dual tone multifrequency address signaling and ground start supervisory signaling
- (k) Terminating operation with dial pulse address signaling and loop start supervisory signaling
- (l) Terminating operation with dial pulse address signaling and ground start supervisory signaling
- (m) Terminating operation with dual tone multifrequency address signaling and loop start supervisory signaling
- (n) Terminating operation with dual tone multifrequency address signaling and ground start supervisory signaling
- (o) Originating operation with loop start supervisory signaling
- (p) Originating operation with ground start supervisory signaling

(2) Switched Transport Optional Features

- (a) Supervisory Signaling (as set forth in 6.1.3(A)(4)(a) preceding)
- (b) Improved Return Loss
- (c) Data Transmission Parameters

ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

6.2.1 Feature Group A (FGA) (Cont'd)

(B) Optional Features (Cont'd)

(3) Certain other features which may be available in connection with Feature Group A are provided under the Telephone Company's local and/or general exchange service tariffs. These are:

- (a) Customer Calling Features
- (b) Bill Number Screening
- (c) IntraLATA extensions

(C) Transmission Performance

FGA is provided with either Type B or Type C Transmission Specifications. The specifications for the associated parameters are guaranteed to the first point of switching. Type C Transmission Specifications are provided with Interface Group 1 and Type B is provided with Interface Groups 2, 6 and 9. Type DB Data Transmission Parameters are provided with FGA to the first point of switching.

(D) Testing Capabilities

FGA is provided, in the terminating direction where equipment is available, with seven digit access to balance (100 type) test line and milliwatt (102 type) test line. In addition to the tests described in 6.1.6 preceding which are included with the installation of service, additional tests are available for FGA as set forth in Section 13.3.4 following.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)6.2.2 Feature Group B (FGB)(A) Description

- (1) FGB, when directly routed to an end office (i.e., provided without the use of an access tandem switch), is provided at appropriately equipped Telephone Company electronic end office switches. When provided via Telephone Company designated electronic access tandem switches, FGB switching is provided at Telephone Company electronic end office switches.
- (2) FGB is provided as trunk side switching through the use of end office or access tandem switch trunk equipment. The switch trunk equipment is provided with wink start start-pulsing signals and answer and disconnect supervisory signaling.
- (3) FGB switching is provided with multifrequency address signaling in both the originating and terminating directions. Except for FGB switching provided with the automatic number identification (ANI) or rotary dial station signaling arrangements as set forth in 6.3 following, any other address signaling in the originating direction, if required by the customer, must be provided by the customer's end user using inband tone signaling techniques. Such inband tone address signals will not be regenerated by the Telephone Company and will be subject to the ordinary transmission capabilities of the Switched Transport provided.
- (4) The access code for FGB switching is a uniform access code. The form of the uniform access code is 950-0XXX or 950-1XXX for carriers.

These uniform access codes will be the assigned access numbers of all FGB Switched Access Service provided to the customer by the Telephone Company.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

6.2.2 Feature Group B (FGB) (Cont'd)

(A) Description (Cont'd)

- (5) FGB switching, when used in the terminating direction, may be used to access valid NXXs in the toll free calling area of the terminating exchange, time or weather announcement services of the Telephone Company, community information services of an information service provider and other customers' services (by dialing the appropriate 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 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 FGB trunk to another customer's service in accordance with that customer's applicable service rates when the Telephone Company performs the billing function for the customer. Calls in the terminating direction will not be completed to 950-0XXX or 950-1XXX access codes, local operator assistance (0- and 0+), Directory Assistance (411 where available and 555-1212), service codes (611 and 911 where available) or 101XXXX access codes. FGB may not be switched, in the terminating direction, to Switched Access Service Feature Groups B, C and D.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

6.2.2 Feature Group B (FGB) (Cont'd)

(A) Description (Cont'd)

- (6) The Telephone Company will establish a trunk group or groups for the customer at end office switches or access tandem switches where FGB switching is provided. When required by technical limitations, a separate trunk group will be established for each type of FGB switching arrangement provided. Different types of FGB or other switching arrangements may be combined in a single trunk group at the option of the Telephone Company.
- (7) When all FGB switching arrangements are discontinued at an end office, an intercept announcement is provided. This arrangement provides, for a period of 90 days, an announcement that the service associated with the number dialed has been disconnected.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

6.2.2 Feature Group B (FGB) (Cont'd)

(B) Optional Features (where equipment is available)

(1) Local Switching Optional Features

- (a) Automatic Number Identification (ANI)
- (b) Up to 7 Digit Outpulsing of Access Digits to Customer
- (c) Alternate Traffic Routing
- (d) Hunt Group Arrangement for Use with Special Access Service utilized for connection with Switched Access Service
- (e) Uniform Call Distribution Arrangement for Use with Special Access Service utilized for connection with Switched Access Service
- (f) Nonhunting Number for Use with Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use with Special Access Service utilized for connection with Switched Access Service
- (g) Band Advance Arrangement for Use with Special Access Service utilized for connection with Switched Access Service
- (h) Rotary Dial Station Signaling
- (i) Multifrequency Address Signaling

(2) Switched Transport Optional Features

- (a) Provision of Other Than Telephone Company Selected Traffic Routing
- (b) Customer Specification of Feature Group Directionality
- (c) Customer Specification of Switched Transport Termination
- (d) Supervisory Signaling
- (e) Improved Return Loss
- (f) Data Transmission Parameters

ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

6.2.2 Feature Group B (FGB) (Cont'd)

(B) Optional Features (where equipment is available) (Cont'd)

- (3) Another feature, Bill Number Screening, which may be available in connection with FGB, is provided under the Telephone Company's local and/or general exchange service tariffs.

(C) Transmission Performance

FGB is provided with either Type B or Type C Transmission Specifications. The specifications for the associated parameters are guaranteed to the end office when routed directly or to the first point of switching when routed via an access tandem. Type C Transmission specifications are provided with Interface Group 1 and Type B is provided with Interface Groups 2, 6 and 9. Type DB Data Transmission Parameters are provided with FGB to the first point of switching.

(D) Testing Capabilities

FGB is provided, in the terminating direction where equipment is available, with seven digit access to balance (100 type) test line, milliwatt (102 type) test line, nonsynchronous or synchronous test line, automatic transmission measuring (105 type) test line, data transmission (107 type) test line, loop around test line, short circuit test line and open circuit test line. In addition to the Acceptance Tests described in 6.1.6 preceding, which are included with the installation of service, additional tests are available as set forth in Section 13.3.4 following.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

6.2.3 Feature Group C (FGC)

(A) Description

- (1) FGC is provided at all Telephone Company end office switches on a direct trunk basis or via Telephone Company designated access tandem switches. FGC switching is provided to the customer (i.e., providers of MTS and WATS) at an end office switch unless Feature Group D end office switching is provided in the same office. When FGD switching is available, FGC switching will not be provided.
- (2) 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.
- (3) FGC is provided with multifrequency address signaling. Up to 12 digits of the called party number dialed by the customer's end user using dual tone 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 Switched Transport provided.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)6.2.3 Feature Group C (FGC) (Cont'd)(A) Description (Cont'd)

- (4) 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). For international calls outside the NANP, a seven to twelve digit number may be dialed. The form of the numbers dialed by the customer's end user is NXX-XXXX, 0 or 1 + NXX-XXXX, NPA + NXX-XXXX, 0 or 1 + NPA + NXX-XXXX, and, when the end office is equipped for International Direct Distance Dialing (IDDD), 01 + CC + NN or 011 + CC + NN.
- (5) FGC switching, when used in the terminating direction, may be used to access valid NXXs in the local exchange, time or weather announcement services of the Telephone Company, community information services of an information provider, and other customers' 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 950-0XXX or 950-1XXX access codes, local operator assistance (0- and 0+), Directory Assistance (411 and 555-1212), service codes 611 and 911 and 101XXXX access codes. FGC may not be switched, in the terminating direction, to Switched Access Service Feature Groups B, C or D.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

6.2.3 Feature Group C (FGC) (Cont'd)

(A) Description (Cont'd)

- (6) The Telephone Company will establish a trunk group or groups for the customer at end office switches or access tandem switches where FGC switching is provided. When required for 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.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)6.2.3 Feature Group C (FGC) (Cont'd)(B) Optional Features (where equipment is available)(1) Local Switching Optional Features (where equipment is available)

- (a) Automatic Number Identification (ANI)
- (b) Service Class Routing
- (c) Dial Pulse Address Signaling
- (d) Revertive Pulse Address Signaling
- (e) Delay Dial Start-Pulsing Signaling
- (f) Immediate Dial Pulse Address Signaling
- (g) Panel Call Indicator Address Signaling
- (h) Alternate Traffic Routing
- (i) Trunk Access Limitation
- (j) End Office End User Line Service Screening for Use with Special Access Service utilized for connection with Switched Access Service
- (k) Hunt Group Arrangement for Use with Special Access Service utilized for connection with Switched Access Service
- (l) Uniform Call Distribution Arrangement for Use with Special Access Service utilized for connection with Switched Access Service
- (m) Nonhunting Number of Use with Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use with Special Access Service utilized for connection with Switched Access Service
- (n) Band Advance Arrangement for Use with Special Access Service utilized for connection with Switched Access Service
- (o) Operator Trunks - i.e., Coin, Non-Coin and Combined Coin and Non-Coin. (Non-Coin Trunks are provided at Telephone Company electronic end offices. Coin and Combined Coin and Non-Coin are provided only at Telephone Company electronic end offices and other Telephone Company end offices where equipment is available.)
- (p) Multifrequency Address Signaling

ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

6.2.3 Feature Group C (FGC) (Cont'd)

(B) Optional Features (where equipment is available) (Cont'd)

(2) Switched Transport Optional Features

- (a) Supervisory signaling (as set forth in 6.1.3(A)(4)(a) preceding).
- (b) Improved Return Loss
- (c) Data Transmission Parameters
- (d) Provision of Other Than Telephone Company Selected Traffic Routing
- (e) Customer Specifications of Feature Group Directionality

(C) Transmission Specifications

FGC is provided with either Type B or Type C Transmission Specifications as follows:

- When routed directly to the end office either Type B or Type C is provided.
- When routed to an access tandem only Type B is provided.
- Type B or Type C is provided on the transmission path from the access tandem to the end office.

Type C Transmission Specifications are provided with Interface Group 1 when routed directly to an end office. Type B is provided with Interface Groups 2, 6 and 9, whether routed directly to an end office or to an access tandem.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

6.2.3 Feature Group C (FGC) (Cont'd)

(C) Transmission Specifications (Cont'd)

Type DB Data Transmission Parameters are provided with FGC for the transmission path between the customer's premises and the end office when directly routed to the end office, and Type DB Data Transmission Parameters are provided for the transmission path between the customer's premises and the access tandem and between the access tandem and the end office when routed via an access tandem.

(D) 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 Acceptance and In-Service tests described in 6.1.6 preceding additional tests are available as set forth in Section 13.3.4 following.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)6.2.4 Feature Group D (FGD)(A) Description

- (1) FGD is provided at Telephone Company designated electronic end office switches whether routed directly or via Telephone Company designated electronic access tandem switches.
- (2) FGD is provided as trunk side switching through the use of end office or access tandem switch trunk equipment. The switch trunk equipment is provided with wink start-pulsing signals and answer and disconnect supervisory signaling.
- (3) FGD switching is provided with inband 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 Switched Transport provided.
- (4) FGD switching, when used in the terminating direction, may be used to access valid NXXs in the local exchange, time or weather announcement services of the Telephone Company, community information services of an information service provider, and other customers' services (by dialing the appropriate codes) when such services can be reached using valid NXX codes. When directly routed to an end office, only those valid NXX codes served by that office may be accessed. When routed through an access tandem, only those valid NXX codes served by end offices subtending the access tandem may be accessed.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)6.2.4 Feature Group D (FGD) (Cont'd)(A) Description (Cont'd)

(4) (Cont'd)

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-XXXX access codes, local operator assistance (0- and 0+), Directory Assistance (411 and 555-1212), service codes 611 and 911 and 101XXXX access codes. FGD may not be switched, in the terminating direction, to Switched Access Service Feature Groups B, C or D.

(5) The Telephone Company will establish a trunk group or groups for the customer at end office switches or access tandem switches where FGD switching is provided. When required by technical limitations, a separate trunk group will be established for each type of FGD switching arrangement provided. Different types of FGD or other switching arrangements may be combined in a single trunk group at the option of the Telephone Company.

(6) The access code for FGD switching is a uniform access code of the form 101XXXX. These uniform access codes will be the assigned access numbers 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 Section 13 following.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)6.2.4 Feature Group D (FGD) (Cont'd)(A) Description (Cont'd)

(6) (Cont'd)

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). For international calls outside the NANP, a seven to twelve digit number may be dialed. The form of the numbers dialed by the customer's end user is NXX-XXXX, 0 or 1 + NXX-XXXX, NPA + NXX-XXXX, 0 or 1 + NPA + NXX-XXXX, and, when the end office is equipped for International Direct Distance Dialing (IDDD), 01 + CC + NN or 011 + CC + NN.

When the 101XXXX 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 at the customer's option, the end-of-dialing digit (#) for cut-through access to the customer's premises.

- (7) FGD switching will be arranged to accept calls from telephone exchange service locations without the need for dialing 101XXXX uniform access code. Each telephone exchange service line may be marked with a presubscription code to identify which 101XXXX code its calls will be directed to for interLATA service. Presubscription codes are applied as set forth in Section 13 following.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

6.2.4 Feature Group D (FGD) (Cont'd)

(A) Description (Cont'd)

- (8) When a customer has had FGB access in an end office and subsequently replaces the FGB access with FGD access, at the mutual agreement of the customer and the Telephone Company, the Telephone Company will, for a period of 90 days, direct calls dialed by the customer's end users using the customer's previous FGB access code to the customer's FGD access service. The customer must be prepared to handle normally dialed FGD calls as well as calls dialed with the FGB access code which requires the customer to receive additional address signaling from the end user. Such calls will be rated as FGD.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)6.2.4 Feature Group D (FGD) (Cont'd)(B) Optional Features (where equipment is available)(1) Local Switching Optional Features

- (a) Automatic Number Identification (ANI)
- (b) Service Class Routing
- (c) Alternate Traffic Routing
- (d) Call Gapping Arrangement
- (e) Trunk Access Limitation
- (f) International Carrier Option
- (g) End Office End User Line Service Screening for Use with WATS Access Line Service
- (h) Hunt Group Arrangement for Use with WATS Access Line Service
- (i) Uniform Call Distribution Arrangement for Use with WATS Access Line Service
- (j) Nonhunting Number for Use with Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use with WATS Access Line Service
- (k) Band Advance Arrangement for Use with WATS Access Line Service
- (l) Cut-Through
- (m) Operator Trunk, Full Feature Arrangement
- (n) Flexible Automatic Number Identification (Flex ANI)
- (o) Multifrequency Address Signaling
- (p) Signaling System 7 (SS7) Signaling
- (q) Calling Party Number (CPN) Parameter
- (r) Carrier Selection Parameter
- (s) Digital Switched 64 Service

(2) Switched Transport Optional Features (where equipment is available)

- (a) Supervisory Signaling (as set forth in 6.1.3(A)(4)(a) preceding)
- (b) Improved Return Loss
- (c) Data Transmission Parameters
- (d) Provision of Other Than Telephone Company Selected Traffic Routing
- (e) Customer Specifications of Feature Group Directionality

ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

6.2.4 Feature Group D (FGD) (Cont'd)

(C) Transmission Specifications

FGD is provided with either Type A, Type B or Type C Transmission Specifications as follows:

- When routed directly to the end office either Type B or C is provided.
- When routed to an access tandem only Type A is provided.
- Type A is provided on the transmission path from the access tandem to the end office.

Type C Transmission Specifications are provided with Interface Group 1. Type A and Type B Transmission Specifications are provided with Interface Groups 2, 6 and 9.

Type DA Data Transmission Parameters are provided for the transmission path between the customer's premises and the access tandem and between the access tandem and the end office. Type DB Data Transmission Parameters are provided with FGD for the transmission path between the customer's premises and the end office when directly routed to the end office.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)6.2.4 Feature Group D (FGD) (Cont'd)(D) Testing Capabilities

FGD is provided, in the terminating direction where equipment is available, with seven digit access to balance (100 type) test line, milliwatt (102 type) test line, nonsynchronous or synchronous test line, automatic transmission measuring (105 type) test line, data transmission (107 type) test line, loop around test line, short circuit test line and open circuit test line. In addition to the Acceptance and In-Service Tests described in 6.1.6 preceding, additional tests are available for FGD as set forth in Section 13.3.4 following. When SS7 Signaling is ordered, network compatibility and other operational tests will be performed cooperatively by the Telephone Company and the customer.

6.2.5 Toll Free Code (TFC) Access Service(A) Description

TFC Access Service is an originating trunk side switched service that is available to the customer via TFC Access Service trunk groups, or may be provided in conjunction with FGB, FGC, or FGD. The service provides for the forwarding of end user dialed TFC calls to a Telephone Company Service Switching Point (SSP) which will initiate a TFC data base query to the Telephone Company's TFC data base to perform the customer identification function. The call is forwarded to the appropriate customer based on the dialed TFC number. The customer has the option of having the TFC dialed number (i.e., 800-NXX-XXXX) or, if the TFC to Local Exchange Number Translation optional feature described in Section 6.2.5(C)(1) is specified, a translated ten digit local exchange number (i.e., NPA-NXX-XXXX), delivered to the customer premises.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)6.2.5 Toll Free Code (TFC) Access Service (Cont'd)(A) Description (Cont'd)

No access code is required for TFC Access Service. When the TFC call is originated by an end user, the Telephone Company will perform the TFC data base query based on the dialed digits to determine the customer location to which the call is to be routed. The TFC data base query will be performed from suitably equipped end offices or access tandems. If the call originates from an end office not equipped to perform the TFC data base query, the call will be routed to an access tandem at which the query function is available. Once customer identification has been established, the call will be routed to the customer. TFC calls may be routed to different customers based on the local access transport area in which the call originates, however, calls originating from an end office switch not included in the customer's area of service for TFC Access Service will not be completed.

The provision of TFC Access Service requires access to the TFC Service Management System (TFC SMS) by a Responsible Organization on behalf of the customer or through direct access by the customer to the TFC SMS.

When TFC Access Service originates from an end office equipped with equal access capabilities (i.e., FGD), all such service will be provisioned in accordance with the technical characteristics available with FGD. When TFC Access Service originates from an end office not equipped with equal access, such service will be provisioned in accordance with the technical characteristics available with FGC. For FGB customers, end offices lacking equal access capability or the TFC data base query function may only be served via an access tandem over FGD trunks or TFC Access Service trunk groups. Such service will be provisioned in accordance with the characteristics available with FGC or FGD. In either case, when more than one access tandem is involved in the transport of a TFC Access Service call, standard transmission characteristics are not guaranteed.

Unless prohibited by network considerations (e.g., different dialing plans), the customer's TFC Access Service traffic may, at the option of the customer, be combined in the same trunk group arrangement with the customer's non-TFC switched access traffic except as follows. Combining TFC Access Service traffic with the customer's direct routed switched access traffic will be allowed only when the end office is equipped to perform the TFC data base query. When required by network considerations, a separate trunk group must be established for TFC Access Service.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)6.2.5 Toll Free Code (TFC) Access Service (Cont'd)(A) Description (Cont'd)

Premium usage rates and charges apply to TFC Access Service calls originated from end offices with equal access capability or calls originated from nonconforming offices via FGC. Non premium transitional usage rates apply to TFC Access Service calls originated from end offices lacking equal access capability and routed over FGB trunks or TFC Access Service trunk groups. Additionally, the TFC Access Service Data Base Query Charge, and the TFC Data Base Optional Service Features charge associated with various options ordered by the customer, as specified in 6.1.3(C) preceding and 6.2.5(C) following also apply.

(B) Technical Specifications

TFC Access Service trunk groups are provided with either Type B or Type C Transmission Specifications as follows:

- When routed directly to the end office either Type B or Type C is provided.
- When routed to an access tandem only Type B is provided.
- Type B or Type C is provided on the transmission path from the access tandem to the end office.

Type C Transmission Specifications are provided with Interface Group 1 when routed directly to an end office. Type B is provided with Interface Groups 2, 6 and 9, whether routed directly to an end office or to an access tandem.

Telephone Company switch and customer premises interfaces and design blocking criteria for Feature Group C apply to TFC Access Service.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)6.2.5 Toll Free Code (TFC) Access Service (Cont'd)(C) TFC Data Base Optional Service Features

In addition to the TFC call routing (e.g. 1+800-NXX-XXXX) described in (A) preceding, at the customer's option, the Telephone Company will perform additional call routing service options as follows:

(1) TFC to Local Exchange Number Translation

This option allows a TFC Access Service customer to specify standard local exchange telephone numbers for TFC call completion at the terminating end. When a TFC call is to be routed to a local exchange telephone number, the TFC Access Service customer must provide to its Responsible Organization or to the TFC SMS, the full ten digit local exchange number (NPA-NXX-XXXX) to be associated with the TFC number and indicate to which carrier the local exchange telephone number is to be delivered. If the TFC to Local Exchange Number Translation optional feature is used, the customer will be unable to determine that such calls originated as TFC dialed calls (e.g. 1+800-NXX-XXXX) unless the customer also orders the Flexible Automatic Number Identification (Flex ANI) optional feature.

(2) Customized TFC Call Routing

This option allows for routing to multiple carriers, except as specified in 6.2.5(A), or variable terminating locations for TFC call completion based on the following criteria:

- time of day
- day of week
- specific days of the year (e.g., December 25)
- percentage of traffic (in one percent increments)
- calling telephone number (unless technical limitations exist which do not provide for originating number identification)

ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

6.2.5 Toll Free Code (TFC) Access Service (Cont'd)

(C) TFC Data Base Optional Service Features (Cont'd)

(2) Customized TFC Call Routing (Cont'd)

With this option, TFC calls can be delivered to the carrier in either the direct dialed TFC number format or in the local exchange telephone number translated format. The customer must enter the desired format and the necessary ten digit local exchange telephone number, if any, into the TFC Service Management System (SMS) or provide such information to its Responsible Organization for handling.

The rates for the TFC Data Base Optional Service Features described above are applied on a per query basis as set forth in 6.8.4(B) following. When a combination of one or more of the optional features is requested, only one such charge shall apply.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)6.2.6 900 Access Service(A) Description

Originating 900 Access Service is a trunk side switched service that is available only to interexchange carriers. This service is provided via 900 Access Service trunk groups, or can be provided to the customer in conjunction with FGB, FGC or FGD services. When combined with FGB, FGC or FGD, 900 Access Service traffic can, at the option of the customer, be carried on the same group with non-900 Access traffic. When a 1+900+ NXX+XXXX call is originated by an end user, the Telephone Company will perform the customer identification function based on the dialed digits to determine the customer to which the call is to be routed. If the call originates from an end office not equipped to provide the customer identification function, the call will be routed to an office where the function is available. Once customer identification has been established, the call will be routed to the customer.

The manner in which 900 Access Service is provided depends on whether the end office from which the call originates has equal access capability and/or the customer identification function. In equal access end offices which have customer identification function capability, 900 Access Service is provided in accordance with technical characteristics available with FGD (however, ANI is required with 900 Access Service), either direct to the end office or via an equal access tandem on existing trunk groups. In end offices not equipped with equal access capabilities, 900 Access Service will be provisioned in accordance with the technical characteristics available with FGC. Customers other than customers of FGC, may only be served via an access tandem over 900 Access Service trunks when the end office lacks equal access capability or the customer identification function. At the customer's option, 900 Access Service and Toll Free Code (TFC) Access Service may be combined on the same trunk group. For a customer of FGC, 900 Access Service can be provided through an existing trunk group or separate FGC trunk group which handles 900 Access Service.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)6.2.6 900 Access Service (Cont'd)(A) Description (Cont'd)

900 Access Service calls which are routed through operator services will be delivered at the equal access tandem over FGC or FGD. At the customer's option, 900 Access Service can be provided from both equal access and non-equal access end office switches over a FGD trunk group from the access tandem to the customer's premises if the customer can accept, on that trunk group, both exchange access and conventional signaling.

The Telephone Company will block calls to a 900 number originating from coin telephones, 0+ dialed calls, third number calls, detention centers and mental institutions, hotel/motel service and calling cards.

At the carrier's option all 900 attempts will be passed to the identified IC, who subsequently can screen the appropriate ANI II digits for call disposition. The ANI II digits are described in Technical Reference Publication FR-64. This option is available in technically capable equal access offices.

900 Access Service originating from equal access end offices with the customer identification function will be provided using exchange access signaling with overlap outpulsing and ten digit ANI. 900 Access Service originating from equal access end offices without the customer identification function, from end offices not having equal access capability, or for calls routed through operator services, will be provided using conventional signaling. On traffic using conventional signaling, other than FGC, the customer's facilities shall provide off hook supervision upon receipt of the transmitted digits.

Premium usage rates and charges apply to 900 Access Service calls originated from end offices with equal access capability or calls originated from nonconforming offices via the customer of FGC. Non premium transitional usage rates apply to 900 Access Service calls originated from end offices lacking equal access capability and routed over FGB trunks or 900 Access Service trunk groups. Additionally, nonrecurring charges as specified in 6.1.3(D) preceding and 6.8.5 following also apply.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)6.2.6 900 Access Service (Cont'd)(B) Technical Specifications

900 Access Service trunk groups are provided with either Type B or Type C Transmission Specifications as follows:

- When routed directly to the end office either Type B or Type C is provided.
- When routed to an access tandem only Type B is provided.
- Type B or Type C is provided on the transmission path from the access tandem to the end office.

Type C Transmission Specifications are provided with Interface Group 1 when routed directly to an end office. Type B is provided with Interface Groups 2, 6, and 9, whether routed directly to an end office or to an access tandem.

Telephone Company switch and customer premises interfaces and design blocking criteria for Feature Group C apply to 900 Access Service.

6.2.7 Interim 500 Access Service(A) Description

Interim 500 Access Service is an outgoing service providing the customer identification function (500 NXX screening) based on the first six digits of the dialed 500 number.

Originating Interim 500 Access Service is a trunk side switched service that is available to the customer via Interim 500 Access Service trunk groups, or can be provided to the customer in conjunction with FGC or FGD services. When combined with FGC or FGD, Interim 500 Access Service traffic can, at the option of the customer, be carried on the same group with non-500 Access traffic. When a 1+500+NXX+XXXX or 0+500+NXX+XXXX call is originated by an end user, the Telephone Company will perform the customer identification function based on the dialed digits to determine the customer to which the call is to be routed. If the call originates from an end office not equipped to provide the customer identification function, the call will be routed to an office where the function is available. Once customer identification has been established, the call will be routed to a customer.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)6.2.7 Interim 500 Access Service (Cont'd)(A) Description (Cont'd)

The manner in which Interim 500 Access Service is provided depends on whether the end office/tandem from which the call originated has equal access capability with the customer identification function. In equal access end offices/tandems which have customer identification function capability, Interim 500 Access Service is provided in accordance with technical characteristics available with FGD, either direct to the end office or via an equal access tandem on existing trunk groups. In end offices not equipped with equal access capabilities, Interim 500 Access Service will be provisioned in accordance with the technical characteristics available with FGC. At the customer's option, Interim 500 Access Service, 900 Access Service and Toll Free Code (TFC) Access Service may be combined on the same trunk group. For a customer of FGC, Interim 500 Access Service can be provided through an existing trunk group or separate FGC trunk group which handles Interim 500 Access Service. At the customer's option, Interim 500 Access Service can be provided from both equal access and non-equal access end office switches over a FGD trunk group from the access tandem to the customer's premises if the customer can accept, on that trunk group, both exchange access and conventional signaling.

At the carrier's option all 500 attempts will be passed to the identified IC, who subsequently can screen the appropriate ANI II digits for call disposition. This option is available in technically capable equal access offices.

Interim 500 Access Service originating from equal access end offices with the customer identification function will be provided using exchange access signaling with overlap outpulsing and ten digit ANI. Interim 500 Access Service originating from equal access end offices/tandems without the customer identification function, from end offices not having equal access capability, or for calls routed through operator services, will be provided using conventional signaling. On traffic using conventional signaling, other than FGC, the customer's facilities shall provide off hook supervision upon receipt of the transmitted digits.

Premium usage rates and charges apply to Interim 500 Access Service calls originated from end offices/tandems with equal access capability or calls originated from nonconforming offices via the customer of FGC. Additionally, nonrecurring charges as specified in 6.1.3(E) preceding and 6.8.6 following also apply.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

6.2.7 Interim 500 Access Service (Cont'd)

(B) Technical Specifications

Interim 500 Access Service trunk groups are provided with either Type B or Type C Transmission Specifications as follows:

- When routed directly to the end office either Type B or Type C is provided.
- When routed to an access tandem only Type B is provided.
- Type B or Type C is provided on the transmission path from access tandem to the end office.

Type C Transmission Specifications are provided with Interface Group 1 when routed directly to an end office. Type B is provided with Interface Groups 2, 6 and 9, whether routed directly to an end office or to an access tandem.

Telephone Company switch and customer premises interfaces apply to Interim 500 Access Service.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

6.2.8 OptiPoint Services

(A) Basic Service Description

OptiPoint services provide point-to-point high speed synchronous optical fiber-based full duplex data transmission capabilities. There are three levels of OptiPoint services: OptiPoint-3(OC3) is provided at a terminating bit rate of 155.52 Mbps; OptiPoint-12(OC12) is provided at a terminating bit rate of 622.08 Mbps; and OptiPoint-48(OC48) is provided at a terminated bit rate of 2488.32 Mbps.

OptiPoint services are provided for periods of one, three or five years. When a customer orders OptiPoint service, the customer and the Telephone Company will work cooperatively to plan, engineer, provision and manage the OptiPoint circuits.

(1) Entrance Facilities

OptiPoint entrance facility channels may be used to connect the following:

- a customer designated premises to another customer designated premises, configured at wire center locations between the two premises; or
- a customer designated premises to a Telephone Company location where service configuration is performed.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

6.2.8 OptiPoint Services (Cont'd)

(A) Basic Service Description (Cont'd)

(1) Entrance Facilities (Cont'd)

- (a) Based on customer requirements, OC3 service may be provisioned in the following configurations:
 - (i) OC3 - three Synchronous Transport Signals (STS1) channels which each contain the following:
 - one DS3 or STS1 that is STS1 mapped;
 - up to 28 DS1s that are VT mapped;
 - an STS1 channel without constraint to payload mapping; or
 - (ii) A single concatenated OC3c channel that is STS3c mapped.
- (b) Based on customer requirements, OC12 service may be provisioned in the following configurations:
 - (i) OC12 - twelve STS1 channels which each contain:
 - one DS3 or STS1 that is STS1 mapped;
 - up to 28 DS1s that are VT mapped;
 - an STS1 channel without constraint to payload mapping;

ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

6.2.8 OptiPoint Services (Cont'd)

(A) Basic Service Description (Cont'd)

(1) Entrance Facilities (Cont'd)

(b) (Cont'd)

(ii) Up to four concatenated OC3c channels that are STS3c mapped;

(iii) From one to three OC3c channels that are STS3c mapped, mixed with from three to nine STS1 channels subject to utilization of the total OC12 capacity; or

(iv) A single concatenated OC12c channel that is STS12c mapped.

(c) Based on customer requirements, OC48 service may be provisioned in the following configurations:

(i) OC48 - forty-eight STS1 channels which each contain:

- one DS3 or STS1 that is STS1 mapped;
- an STS1 channel without constraint to payload mapping;

(ii) Up to four concatenated OC12c channels that are STS12c mapped;

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)6.2.8 OptiPoint Services (Cont'd)(A) Basic Service Description (Cont'd)(1) Entrance Facilities (Cont'd)

(c) (Cont'd)

(iii) Up to sixteen concatenated OC3c channels that are STS3c mapped;

(iv) From one to three OC3c channels that are STS3c mapped, mixed with from 39 to 45 STS1 channels subject to utilization of the total OC48 capacity; or

(v) From one to three OC12c channels that are STS12c mapped, mixed with from four to twelve OC3 channels subject to utilization of the total OC48 capacity.

Current SONET standards do not provide for asynchronous DS3 to DS1 multiplexing. An STS1 channel may be mapped for either one DS3 or 28 DS1s. However, DS1s within a DS3 are not accessible within the SONET architecture, and their performance cannot be guaranteed for this reason. When the customer requests that an OC3, OC12 or OC48 service be configured with a combination of DS3 and DS1 channels, a DS3 to DS1 multiplexing arrangement, as set forth in 6.1.3(A)(5)(d) preceding will be required.

Upon ordering OptiPoint service, the customer is responsible for identifying the STS signal configuration to be contained in each OC3, OC12, or OC48 service connection and each STS1 and/or STS12 payload content. This information is used in determining the route and connection in the network. If a new configuration is requested subsequent to the initial activation, a service reconfiguration charge will apply on a per service basis, as set forth in 6.8.2(D)(8). The service reconfiguration charge is in addition to all applicable configuration node and configuration card charges associated with the new configuration.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)6.2.8 OptiPoint Services (Cont'd)(A) Basic Service Description (Cont'd)(1) Entrance Facilities (Cont'd)

OptiPoint service is provided with electronics that automatically activate in case of failure of the primary electronics. Since OptiPoint is a point-to-point service, SONET ring survivability will not be available. Rates for additional protection options requested by the customer will be quoted on an individual case basis and are in addition to the rates for OC3, OC12 and OC48 service.

OptiPoint entrance facilities provided to a customer's designated premises will be installed in a single, common space under Telephone Company control. An OptiPoint entrance facility may not be split between premises or terminated in multiple locations within a premises. The customer must provide suitable floor space, environmental controls and non-switched AC power to support the OptiPoint entrance facility at the customer's premises location.

OptiPoint entrance facilities will be provided with or without Telephone Company provided terminal equipment at the customer's premises. When a customer elects to furnish its own terminal equipment at the customer's premises, the customer will work cooperatively with the Telephone Company to provide a compatible physical interface, and will identify approved equipment types for use in conjunction with Telephone Company provided equipment. The customer is responsible for providing all facilities and cabling necessary to connect customer provided equipment to this interface.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

6.2.8 OptiPoint Services (Cont'd)

(A) Basic Service Description (Cont'd)

(1) Entrance Facilities (Cont'd)

OC3, OC12, and OC48 services may be configured for lower bandwidth services, at suitable equipped wire centers by using appropriate OC3, OC12, or OC48 configuration nodes as set forth in (2) following.

OptiPoint entrance facilities are available only where facilities and operating conditions permit. The Telephone Company will work cooperatively with the customer to determine if suitable existing Telephone Company SONET based facilities are available to provide the service. The Telephone Company will not provision this service on facilities which are not suitable for OptiPoint. Where facilities and/or operating conditions do not permit the provision of OptiPoint entrance facilities, and the customer desires the Telephone Company to provision OptiPoint service, Special Construction charges, as set for in Section 14 following, may apply.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)6.2.8 OptiPoint Services (Cont'd)(A) Basic Service Description (Cont'd)(2) Service Configuration

There are two types of charges associated with a service configuration as described following:

- (a) Configuration Node - is an arrangement at the system level that allows an OC3 service bandwidth to add or drop lower level signals up to three DS3s or STS1s or three groups of twenty-eight DS1s. An OC12 service bandwidth can add or drop lower level signals up to four OC3s or twelve DS3s or STS1s or equivalent combinations of OC3s, DS3s, STS1s and DS1s. An OC48 service bandwidth can add or drop lower level signals up to four OC12s, sixteen OC3s, forty-eight DS3s, or STS1s or equivalent combinations of OC12s, OC3s, DS3s and STS1s.

When the customer requests that a DS1 channel be connected to an OC48 service terminating at a Telephone Company central Office, a DS3 to DS1 or STS1 to DS1 multiplexing arrangement, as set forth in 6.1.3(A)(5)(d) preceding, may be required.

Direct trunked transport can be connected between serving wire centers with configuration nodes at a lower OC-n speed than the channel termination, if the transport is between a lower speed configuration function and one of the following:

- another lower speed configuration function;
- another lower speed channel termination;

All of the above terminations must be provided at the same speed as the transport.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

6.2.8 OptiPoint Services (Cont'd)

(A) Basic Service Description (Cont'd)

(2) Service Configuration (Cont'd)

- (b) Configuration Card - provides for the interface at which a channelized or lower speed service terminates or originates from an OptiPoint optical line terminated at a customer designated premises or a Telephone company central office. DS1, DS3, OC3 concatenated, and STS-1 level cards are available for interfacing OptiPoint-3 service with lower level signals. DS1, DS3, OC3, OC3 concatenated, OC12 concatenated, and STS-1 level cards are available for interfacing with OptiPoint-12 service. DS3, OC3, OC12, OC3 concatenated, OC12 concatenated, STS-1, and STS-3 level cards are available for interfacing with OptiPoint-48 service. When full OC3 and OC12 concatenated service is provided, no configuration node is required.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

6.2.8 OptiPoint Services (Cont'd)

(A) Basic Service Description (Cont'd)

(2) Service Configuration (Cont'd)

When a customer requests an OptiPoint service configuration, both the applicable node and card rate elements will apply. The rates for the configuration node and associated card(s) apply at the end office and at each end of the entrance facility when Telephone Company provided terminal equipment is provided at the customer premises.

When the customer elects to furnish its own terminal equipment at the customer premises, the rates for the configuration node and associated card(s) apply only at the end of the entrance facility where Telephone Company equipment is provided.

Due to the technical limitations of SONET equipment, additional electronics are required when OptiPoint OC48 switched transport configurations exceed 66 miles. In such situations, the customer will be charged for the additional electronics on an individual case basis.

Rates and charges for the configuration node and configuration cards are set forth in 6.8.2 following. Additional labor charges as set forth in Section 13 following will apply to configuration changes for STS level service.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

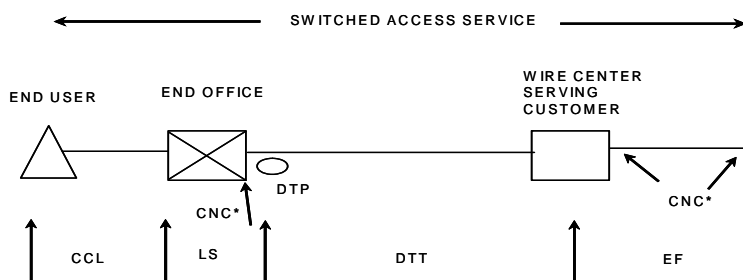
6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.8 OptiPoint Services (Cont'd)

(A) Basic Service Description (Cont'd)

(2) Service Configuration (Cont'd)

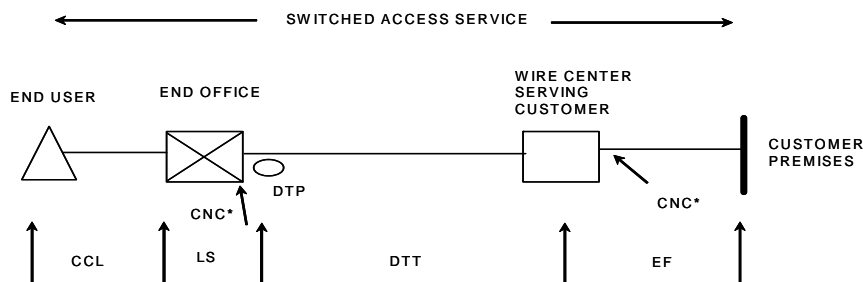
(A) OptiPoint Service with Telephone Company Provided Terminal Equipment at the Customer Premises



CCL: CARRIER COMMON LINE
 LS: LOCAL SWITCHING
 DTT: DIRECT-TRUNKED TRANSPORT
 EF: ENTRANCE FACILITY
 DTP: DEDICATED TRUNK PORT
 CNC: CONFIGURATION NODE & CARDS

* WHERE APPLICABLE

(B) OptiPoint Service without Telephone Company Provided Terminal Equipment at the Customer Premises



CCL: CARRIER COMMON LINE
 LS: LOCAL SWITCHING
 DTT: DIRECT-TRUNKED TRANSPORT
 EF: ENTRANCE FACILITY
 DTP: DEDICATED TRUNK PORT
 CNC: CONFIGURATION NODE & CARDS

* WHERE APPLICABLE

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)6.2.8 OptiPoint Services (Cont'd)(B) Regulations

The rates and charges for OptiPoint services are set forth in Section 6.8.2 following and are in addition to any applicable rates and charges set forth in any other sections of this tariff. Nonrecurring charges and monthly recurring rates applicable for OptiPoint service are billed in advance. A nonrecurring service upgrade charge as described in Section 6.7.1(C)(3) following may also apply to OptiPoint services.

- (1) Nonrecurring charges are one-time charges that apply for a specific work activity (i.e., installation of service) and are developed at full cost recovery on labor hours per labor time basis. For customers who elect the one year commitment period, the nonrecurring charge will apply for the installation of the service. However, if at the end of the one year commitment period, the customer elects to renew their one year commitment plan, a nonrecurring charge will not apply for the renewal.
- (2) Monthly recurring charges are flat recurring rates that apply each month or fraction thereof that a specific rate element is provided regardless of the amount of usage. For billing purposes, each month is considered to have 30 days.
- (3) OptiPoint service is available for minimum commitment periods of one, three or five years. If the customer requests that service be discontinued prior to the expiration of the one, three or five year minimum commitment period, a 50% penalty will be assessed for the remaining months of the term. For example, if a customer who has selected the three year option terminates service in month 12, they will be charged 50% of the remaining 24 months of billing. Additionally, customers may discontinue service, without penalty, should the monthly recurring rates increase by 10% or more at any one time. If the customer does not specify renewal terms in writing 90 days prior to the expiration of the one, three or five year service period, the commitment period and OptiPoint rates in effect at the time of expiration will automatically renew. The customer can terminate OptiPoint service at the end of the minimum commitment period with no penalty or obligation to continue the service.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3 Local Switching Optional Features (where equipment is available)

Following are descriptions of the various optional features that are available in lieu of, or in addition to, the standard features provided with the Feature Groups.

(A) Toll Call Denial on Line or Hunt Group

This option allows for the screening of terminating calls within the exchange, and for the completion only of calls to 411, 611, 911, Toll Free Code (TFC), 555-1212, and a Telephone Company specified sets of NXXs within the Telephone Company local exchange calling area of the dial tone office in which the arrangement is provided. All other toll calls are routed to a reorder tone or recorded announcement. This feature is provided in all electronic end offices. It is available with Feature Group A.

(B) Service Code Denial on Line or Hunt Group

This option allows for the screening of terminating calls within the exchange, and for disallowing completion of calls to 0-, 555 and N11 (e.g., 411, 611, and 911). This feature is provided where available in all Telephone Company electronic end offices. It is available with Feature Group A.

(C) Hunt Group Arrangement

This option provides the ability to sequentially access one of two or more line side connections in the originating direction, when the access code of the line group is dialed. This feature is provided in all Telephone Company end offices. It is available with Feature Group A.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.3 Local Switching Optional Features (where equipment is available) (Cont'd)(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 an arrangement for an individual line within a multiline hunt or uniform call distribution group that provides access to that line within the hunt or uniform call distribution group when it is idle or provides busy tone when it is busy, when the nonhunting number is dialed. Where available, this feature is provided in Telephone Company electronic end offices only. It is available with Feature Group A.

(F) Automatic Number Identification (ANI)

This option provides the automatic transmission of a seven or ten digit number and information digits to the customer's premises for calls originating in the exchange, to identify the calling station. The ANI feature is an end office software function which is associated on a call-by-call basis with (1) all individual transmission paths in a trunk group routed directly between an end office and a customer's premises or, where technically feasible, with (2) all individual transmission paths in a trunk group between an end office and an access tandem, and trunk group between an access tandem and a customer's premises.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3 Local Switching Optional Features (where equipment is available) (Cont'd)

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

The seven digit ANI telephone number is 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.

The ten digit ANI telephone number is only available with Feature Group D. The ten digit ANI telephone number consists of the Numbering Plan Area (NPA) plus the seven digit ANI telephone number. The ten digit ANI telephone number will be transmitted on all calls except those identified as 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.

With Feature Group C, ANI is provided from end offices at which Telephone Company recording for end user billing is not provided, or where it is not required, as with Toll Free Code (TFC) service. It is not provided from end offices for which the Telephone Company needs to forward ANI to its recording equipment.

Where ANI cannot be provided, e.g., on calls from multi party services, information digits will be provided to the customer.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.3 Local Switching Optional Features (where equipment is available) (Cont'd)(F) Automatic Number Identification (ANI) (Cont'd)

The information digits identify: (1) telephone number is the station billing number - no special treatment required, (2) multiparty line - telephone number is a 2-,4- or 8-party line and cannot be identified - number must be obtained via an operator or in some other manner, (3) ANI failure has occurred in the end office switch which prevents identification of calling telephone number - must be obtained by operator or in some other manner, (4) hotel/motel originated call which requires room number identification, (5) coinless station, hospital, inmate, etc. call which requires special screening or handling by the customer and (6) call an Automatic Identified Outward Dialed (AIOD) call from customer premises equipment. The ANI telephone number is the listed telephone number of the customer and is not the telephone number of the calling party. These ANI information digits are available with Feature Groups B, C, and D.

(G) Up to 7 Digit Outpulsing of Access Digits to Customers

This option provides for the end office capability of providing up to 7 digits of the uniform access code (950-0XXX or 950-1XXX) to the customer's premises. The customer can request that only some of the digits in the access code be forwarded. The access code digits would be provided to the customer's premises using multifrequency signaling, and transmission of the digits would precede the forwarding of ANI if that feature were provided. It is available with Feature Group B.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3 Local Switching Optional Features (where equipment is available) (Cont'd)

(H) Cut-Through

This option allows end users of the customer to reach the customer's premises by using the end of dialing digit (#). This option provides for connection of the call to the premises of the customer indicated by the 101XXXX code upon receipt of the end of dialing digit (#). The Telephone Company will not record any other dialed digits for these calls. This option is available with Feature Group D.

(I) Revertive Pulse Address Signaling

This option provides for a dc pulsing arrangement that transmits intelligence in the following manner:

- (1) The equipment at the originating location presets itself to represent the number of pulses required and to count the pulses received from the terminating location.
- (2) The equipment at the terminating location transmits a series of pulses by the momentary grounding of its battery supply until the originating location breaks the dc path to indicate that the required number of pulses has been counted.

This option is available with Feature Group C.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.3 Local Switching Optional Features (where equipment is available) (Cont'd)(J) Delay Dial Start-Pulsing Signaling

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 out-pulse 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.

(K) Immediate Dial Pulse Address Signaling

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.

(L) Dial Pulse Address Signaling

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

(M) Panel Call Indicator Address Signaling

This option provides a dc pulsing arrangement in which each digit is transmitted as a series of four marginal and polarized impulses. It is available with Feature Group C.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.3 Local Switching Optional Features (where equipment is available) (Cont'd)(N) Service Class Routing

This option provides the capability of directing originating traffic from an end office to a trunk group to a customer designated premises, based on the line class of service (e.g., coin, multiparty or hotel/motel), service prefix indicator (e.g., 0-, 0+, 01+ or 011+) or service access code (e.g., Toll Free Code (TFC) or 900). It is provided in suitably equipped end office or access tandem switches and is available with Feature Groups C and D.

(O) Alternate Traffic Routing(1) Multiple Customer Premises Alternate Routing

This option provides the capability of directing originating traffic from an end office (or appropriately equipped access tandem) to a trunk group (the "high usage" group) to a customer designated premises until that group is fully loaded, and then delivering additional originating traffic (the "overflowing" traffic) from the same end office or access tandem to a different trunk group (the "final" group) to the same or a second customer designated premises. The customer shall specify the last trunk CCS desired for the high usage group. It is provided in suitably equipped end office or access tandem switches and is available with Feature Groups B, C and D.

(2) End Office Alternate Routing When Ordered in Trunks

This option provides an alternate routing arrangement for customers who order in trunks and have access for a particular Feature Group to an end office via two routes: one route via an access tandem and one direct route. The feature allows the customers originating traffic from the end office to be offered first to the direct trunk group and then overflow to the access tandem group. It is provided in suitably equipped end offices and is available with Feature Groups B and D.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3 Local Switching Optional Features (where equipment is available) (Cont'd)

(P) Trunk Access Limitation

This option provides for the routing of originating 900 service calls to a specified number of transmission paths in a trunk group, in order to limit (choke) the completion of such traffic to the customer. Calls to the designated service which could not be completed over the subset of transmission paths in the trunk group, i.e., the choked calls, would be routed to reorder tone.

It is provided in all Telephone Company electronic end offices. It is available with Feature Groups C and D.

(Q) Call Gapping Arrangement

This option, provided in suitably equipped end office switches, provides for the routing of originating calls to 900 service to be switched in the end office to all transmission paths in a trunk group at a prescribed rate of flow, e.g., one call every five seconds, in order to limit (choke) the completion of such traffic to the customer. Calls to the designated service 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.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.3 Local Switching Optional Features (where equipment is available) (Cont'd)(R) International Carrier Option

This option allows for Feature Group D end offices or access tandem switches equipped for International Direct Distance Dialing to be arranged to forward the international calls of one or more international carriers to the customer (i.e., the Telephone Company is able to route originating international calls to a customer other than the one designated by the end user either through presubscription or 101XXXX dialing). This arrangement requires provision of written verification to the Telephone Company that the customer is authorized to forward such calls.

The written verification must be in the form of a letter of agency authorizing the customer to order the option on behalf of the international carrier. This option is only provided at Telephone Company end offices or access tandems equipped for International Direct Distance Dialing. It is available with Feature Group D.

(S) Band Advance Arrangement for Use with WATS Access Line Service

This option, which is provided in association with two or more Special Access Service groups, provides for the automatic overflow of terminating calls to WATS Access Line Service group, when that group has exceeded its call capacity, to another WATS Access Line Service group with a band designation equal to or greater than that of the overflowing WATS Access Line Service group. This arrangement does not provide for call overflow from a group with a higher band designated to one with a lower one. This option is available with Feature Groups C and D.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.3 Local Switching Optional Features (where equipment is available) (Cont'd)(T) End Office End User Line Service Screening for Use with WATS Access Line Service

This option provides the ability to verify that an end user has dialed a called party address (by screening the called NPA and/or NXX on the basis of geographical bands selected by the Telephone Company) which is in accordance with that end user's service agreement with the customer, e.g., WATS. This option is provided in all Telephone Company electronic end offices which are designated as WATS Serving Offices. It is available with Feature Groups C and D.

(U) Hunt Group Arrangement for Use with WATS Access Line Service

This option provides the ability to sequentially access one of two or more WATS Access Line Services (e.g., Toll Free Code (TFC) 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 Line Service is provided. It is available with Feature Groups C and D.

(V) Uniform Call Distribution Arrangement for Use with WATS Access Line Service

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

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.3 Local Switching Optional Features (where equipment is available) (Cont'd)(W) Nonhunting Number for Use with Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use with WATS Access Line Service

This option provides an arrangement for an individual WATS Access Line Service within a multiline hunt or uniform call distribution group that provides access to that WATS Access Line Service within the hunt or uniform call distribution group when it is idle or provides busy tone when it is busy, when the nonhunting number is dialed. Where available, this feature is only provided in Telephone Company electronic end offices in which WATS Access Line Service is provided. It is available with Feature Groups C and D.

(X) InterLATA Call Denial on Line or Hunt Group

This chargeable optional feature allows for the screening of terminating calls, and for the completion of only those calls which remain within the LATA of the dial tone office. All calls to end offices which are outside the LATA of the dial tone office are routed to a reorder tone or recorded announcement. This feature is provided only in appropriately equipped end offices. It is available with Feature Group A. A nonrecurring charge will apply to each FGA line to be screened. This charge will be equal to the sum of: (1) the initial service connection service order charge for business customers, and (2) the central office work charge for business customers; both charges are detailed in the Telephone Company's local and/or general exchange service tariff.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.3 Local Switching Optional Features (where equipment is available) (Cont'd)(Y) Rotary Dial Station Signaling

This option provides for the transmission of called party address signaling from rotary dial stations to the customer's premises for originating calls. This option is provided in the form of a specific type of Transport Termination. It is available with Feature Group B, only on a directory trunked basis.

(Z) 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: This arrangement provides for initial coin return control and routing of 0+, 0-, 1+, 01+ or 011+ prefixed originating coin calls requiring operator assistance to the customer's premises. 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.

The operator assistance coin calling arrangement is also 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 TSPS systems, rather than in the customer's manual cord boards.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.3 Local Switching Optional Features (where equipment is available) (Cont'd)(Z) Operator Trunk - Coin, Non-Coin, or Combined Coin and Non-Coin (Cont'd)

Non-Coin: This arrangement provides for the routing of 0+, 0-, 1+, 01+ or 011+ prefixed originating non-coin calls requiring operator assistance to the customer's premises. Because operator assisted non-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.

The operator assistance non-coin calling arrangement is also 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 TSPS systems, rather than in the customer's manual cord boards. When so equipped, the ANI 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.

Combined Coin and Non-Coin: This arrangement provides for initial coin return control and routing of 0+, 0-, 1+, 01+ or 011+ prefixed originating operator assisted coin and non-coin calls requiring operator assistance to the customer's premises. Because operator assisted coin and non-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 operator services systems, rather than in the customer's manual cord boards. 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.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.3 Local Switching Optional Features (where equipment is available) (Cont'd)(AA) Operator Trunk - Full Feature

This option provides the operator functions available in the end office to the customer's operator. These functions are (1) Operator Released, (2) Operator Attached, (3) Coin Collect, (4) Coin Return, and (5) Ringback. It is available with Feature Group D and is provided as a trunk type of Transport Termination. This feature is not available with SS7 Signaling.

(BB) Flexible Automatic Number Identification (Flex ANI)

The Flex ANI feature provides an enhancement to the existing ANI Information Indicator (ANI II) digits which are included in the ANI optional feature as described in 6.3(F) preceding. The Flex ANI feature provides additional values for the ANI II digits that are associated with various classes of service not available with the standard ANI digits. This feature is provided per host central office on a Carrier Identification Code (CIC) basis. Flex ANI is available with Feature Group D service in equal access end offices where technically feasible and must be provisioned with the ten digit ANI optional feature.

(CC) Multifrequency Address Signaling

This feature, available with FGB, FGC, and FGD, provides for the transmission of number information and control signals (e.g., number address signals, automatic number identification) between the end office switch and the customer's premises (in either direction). Multifrequency signaling arrangements make use of pairs of frequencies out of a group of six frequencies. Specific information transmitted is dependent upon feature group and call type (i.e., POTS, coin or operator). This feature is not available in combination with SS7 Signaling.

(DD) 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. The signaling information is transmitted over facilities provided with the Common Channel Signaling/Signaling System 7 Interconnection Service as specified in 6.1.3(A)(6) preceding. This feature is available with FGD and will be provided in accordance with SS7 Interconnect specifications.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.3 Local Switching Optional Features (where equipment is available) (Cont'd)(DD) Signaling System 7 (SS7) Signaling (Cont'd)

Where the end office is capable of passing the Calling Party Number parameter within the initial address message, subject to the originating caller's use of available mechanisms to invoke the privacy of their number, the calling party number will be passed to the customer.

The Calling Party Number (CPN)# parameter 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 parameter is provided with originating FGD with SS7 signaling.

(EE) 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 101XXXX. This feature is provided with originating FGD with SS7 Signaling.

(FF) Switched 64 Clear Channel Capability

This option provides for a connection capable of transmitting 64.0 kbps digital data with clear channel capability between the customer's designated premises and a suitably equipped end office. Switched 64 Clear Channel Capability allows a customer to transport an all zero octet over a DS1/1.544 Mbps high capacity channel providing an available combined maximum 1.536 Mbps data rate. This option requires all digital facilities, including the use of Interface Group 6 or 9, and is available only with Feature Group D from end offices capable of providing SS7 signaling. Bipolar with Eight Zero Substitution (B8ZS) line code format, and Integrated Services Digital Network (ISDN) or other switched data base services. Switched 64 Clear Channel Capability is available in suitably equipped end offices as specified in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4.

CPN is available where technically feasible and where the Telephone Company has made optional blocking available to the originating end user.

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6. Switched Access Service (Cont'd)6.4 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 6.4.1 following. Data Transmission Parameters are also provided with each Switched Access Service transmission path. The Telephone Company will, upon notification by the customer that the data parameters set forth in 6.4.2(A) or 6.4.2(B) 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 the effective date of this tariff except that service configurations having performance specifications exceeding the standards listed in this provision will be maintained at the performance levels specified in this tariff.

The transmission specifications contained in this Section are immediate action limits. Acceptance limits are set forth in Technical Reference Publication GR-3334. This Technical Reference also provides the basis for determining Switched Access Service maintenance limits.

6.4.1 Standard Transmission Specifications

Following are descriptions of the three Standard Transmission Specifications available with Switched Access Service Arrangements. The specific applications in terms of the Service Arrangement and Interface Groups with which the Service Arrangement Standard Transmission Specifications are provided are set forth in 6.2.1(C), 6.2.2(C), 6.2.3(C), 6.2.4(C), 6.2.5(B) and 6.2.6(B) preceding.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.4 Transmission Specifications (Cont'd)

6.4.1 Standard Transmission Specifications (Cont'd)

(A) Type A Transmission Specifications

Type A 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 2.0 dB.

(2) Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 2804 Hz frequency band relative to the loss at 1004 Hz is - 1.0 dB to + 3.0 dB.

(3) C-Message Noise

The maximum C-Message Noise for the transmission path at the route miles listed is less than or equal to:

| <u>Route Miles</u> | <u>C-Message Noise</u> |
|--------------------|------------------------|
| less than 50 | 32 dBrnCO |
| 51 to 100 | 34 dBrnCO |
| 101 to 200 | 37 dBrnCO |
| 201 to 400 | 40 dBrnCO |
| 401 to 1000 | 42 dBrnCO |

(4) C-Notch Noise

The maximum C-Notch Noise, utilizing a -16 dBmO holding tone, is less than or equal to 45 dBrnCO.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.4 Transmission Specifications (Cont'd)

6.4.1 Standard Transmission Specifications (Cont'd)

(A) Type A Transmission Specifications (Cont'd)

(5) Echo Control

Echo Control, identified as Equal Level Echo Path Loss, and expressed as Echo Return Loss and Singing Return Loss, is dependent on the routing, i.e., whether the service is routed directly from the customer's point of termination (POT) to the end office or via an access tandem. It is equal to or greater than the following:

| | <u>Echo Return Loss</u> | <u>Singing Return Loss</u> |
|----------------------|---------------------------------|------------------------------------|
| POT to Access Tandem | 21 dB | 14 dB |
| POT to End Office | | |
| - Direct | N/A | N/A |
| - Via Access Tandem | 16 dB | 11 dB |

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.4 Transmission Specifications (Cont'd)

6.4.1 Standard Transmission Specifications (Cont'd)

(B) 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 ± 2.5 dB.

(2) Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 2804 Hz frequency band relative to loss at 1004 Hz is -2.0 dB to +4.0 dB.

(3) C-Message Noise

The maximum C-Message Noise for the transmission path at the route miles listed is less than or equal to:

| <u>Route Miles</u> | <u>C-Message Noise*</u> | |
|--------------------|-------------------------|----------------|
| | <u>Type B1</u> | <u>Type B2</u> |
| less than 50 | 32 dBrnCO | 35 dBrnCO |
| 51 to 100 | 33 dBrnCO | 37 dBrnCO |
| 101 to 200 | 35 dBrnCO | 40 dBrnCO |
| 201 to 400 | 37 dBrnCO | 43 dBrnCO |
| 401 to 1000 | 39 dBrnCO | 45 dBrnCO |

* For Feature Groups C and D only Type B2 will be provided. For Feature Groups A and B, Type B1 or B2 will be provided as set forth in Technical Reference Publication GR-3334.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.4 Transmission Specifications (Cont'd)

6.4.1 Standard Transmission Specifications (Cont'd)

(B) Type B Transmission Specifications (Cont'd)

(4) C-Notch Noise

The maximum C-Notch Noise, utilizing a -16 dBm0 holding tone is less than or equal to 47 dBmCO.

(5) Echo Control

Echo Control, identified as Impedance Balance for FGA and FGB and Equal Level Echo Path Loss for FGC and FGD, and expressed as Echo Return Loss (ERL) and Singing Return Loss (SRL), is dependent on the routing, i.e., whether the service is routed directly from the customer's point of termination (POT) to the end office or via an access tandem. The ERL and SRL also differ by Feature Group, type of termination, and type of transmission path. They are greater than or equal to the following:

| | <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 |

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.4 Transmission Specifications (Cont'd)

6.4.1 Standard Transmission Specifications (Cont'd)

(B) Type B Transmission Specifications (Cont'd)

(5) Echo Control (Cont'd)

| | <u>Echo Return Loss</u> | <u>Singing Return Loss</u> |
|--|---------------------------------|------------------------------------|
| - Via Access Tandem | | |
| - For FGB access | 8 dB | 4 dB |
| - For FGC access (Effective 4-Wire transmission path at end office) | 16 dB | 11 dB |
| - For FGC access (Effective 2-Wire transmission path at end office) | 13 dB | 6 dB |

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.4 Transmission Specifications (Cont'd)

6.4.1 Standard Transmission Specifications (Cont'd)

(C) 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 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*</u> | |
|--------------------|-------------------------|----------------|
| | <u>Type C1</u> | <u>Type C2</u> |
| less than 50 | 32 dBrnCO | 38 dBrnCO |
| 51 to 100 | 33 dBrnCO | 39 dBrnCO |
| 101 to 200 | 35 dBrnCO | 41 dBrnCO |
| 201 to 400 | 37 dBrnCO | 43 dBrnCO |
| 401 to 1000 | 39 dBrnCO | 45 dBrnCO |

* For Feature Groups C and D only Type C2 will be provided. For Feature Groups A and B, Type C1 or C2 will be provided as set forth in Technical Reference Publication GR-3334.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.4 Transmission Specifications (Cont'd)

6.4.1 Standard Transmission Specifications (Cont'd)

(C) Type C Transmission Specifications (Cont'd)

(4) C-Notch Noise

The maximum C-Notch Noise, utilizing a -16 dBm0 holding tone is less than or equal to 47 dBmCO.

(5) Echo Control

Echo Control, identified as Return Loss and expressed as Echo Return Loss and Singing Return Loss is equal to or greater than the following:

| | <u>Echo Return Loss</u> | <u>Singing Return Loss</u> |
|-------------------|---------------------------------|------------------------------------|
| POT to End Office | | |
| - Direct | 13 dB | 6 dB |

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.4 Transmission Specifications (Cont'd)

6.4.2 Data Transmission Parameters

Two types of Data Transmission Parameters, i.e., Type DA and Type DB, are provided for the Feature Group arrangements. The specific applications in terms of the Feature Groups with which they are provided are set forth in 6.2.1(C), 6.2.2(C), 6.2.3(C) and 6.2.4(C) preceding. Following are descriptions of each.

(A) Data Transmission Parameters Type DA

(1) Signal to C-Notched Noise Ratio

The Signal to C-Notched Noise Ratio is equal to or greater than 33 dB.

(2) Envelope Delay Distortion

The maximum Envelope Delay Distortion for the frequency bands and route miles specified is:

604 to 2804 Hz

| | |
|--|------------------|
| less than 50 route miles | 500 microseconds |
| equal to or greater than 50 route miles | 900 microseconds |

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.4 Transmission Specifications (Cont'd)

6.4.2 Data Transmission Parameters (Cont'd)

(A) Data Transmission Parameters Type DA (Cont'd)

(2) Envelope Delay Distortion (Cont'd)

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 dBnCO threshold in 15 minutes is no more than 15 counts.

(4) Intermodulation Distortion

The Second Order (R2) and Third Order (R3) Intermodulation Distortion products are equal to or greater than:

| | |
|-------------------|-------|
| Second Order (R2) | 33 dB |
| Third Order (R3) | 37 dB |

(5) Phase Jitter

The Phase Jitter over the 4-300 Hz frequency band is less than or equal to 5 peak-to-peak.

(6) Frequency Shift

The maximum Frequency Shift does not exceed -2 to +2 Hz.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.4 Transmission Specifications (Cont'd)

6.4.2 Data Transmission Parameters (Cont'd)

(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:

604 to 2804 Hz

| | |
|--|-------------------|
| less than 50 route miles | 800 microseconds |
| equal to or greater than 50 route miles | 1000 microseconds |

1004 to 2404 Hz

| | |
|--|------------------|
| less than 50 route miles | 320 microseconds |
| equal to or greater than 50 route miles | 500 microseconds |

(3) Impulse Noise Counts

The Impulse Noise Counts exceeding a 67 dB_rnCO 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 |

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.4 Transmission Specifications (Cont'd)6.4.2 Data Transmission Parameters (Cont'd)(B) Data Transmission Parameters Type DB (Cont'd)(5) Phase Jitter

The Phase Jitter over the 4-300 Hz frequency band is less than or equal to 7 peak-to-peak.

(6) Frequency Shift

The maximum Frequency Shift does not exceed -2 to +2 Hz.

6.4.3 Interface Groups

Four Interface Groups are provided for terminating the Entrance Facility at the customer's premises. Interface groups define the transmission characteristics associated with the Entrance Facility and all transport facilities with which they are interconnected. Each Interface Group provides a specified premises interface (e.g., two-wire, four-wire, DS1, etc.). Where transmission facilities permit, the individual transmission path between the customer's premises and the first point of switching may, at the option of the customer, be provided with optional features as set forth in 6.1.3(A)(4) and 6.1.3(A)(5) preceding.

Network Channel (NC) codes, feature group and technical specifications provide the available supervisory signaling options. The combination of the interface group and supervisory signaling ordered will identify the appropriate premises interface code (network channel interface code).

Depending upon the interface group chosen by the customer, multiplexing arrangements may also be required. When the customer requests interconnection of an Entrance Facility to a Direct-Trunked Transport or Tandem-Switched Transport, and the interconnecting facilities use connections with different capacities or bandwidths, multiplexing arrangements are required to provide the interconnection. A multiplexing arrangement is also required to interconnect certain facilities with specific switch types. Multiplexing is available as set forth in 6.1.3(A)(5)(d) preceding.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.4 Transmission Specifications (Cont'd)

6.4.3 Interface Groups (Cont'd)

As a result of the customer's access order and the type of Telephone Company transport facilities serving the customer's premises, the need for signaling conversions or two-wire to four-wire conversions, or the need to terminate digital or high frequency facilities in channel bank equipment may require that Telephone Company equipment be placed at the customer's premises. For example, if a voice frequency interface is ordered by the customer and the Telephone Company facilities serving the customer's premises are digital, then Telephone Company channel bank equipment must be placed at the customer's premises in order to provide the voice frequency interface ordered by the customer.

Interface Group 1 is provided with Type C Transmission Specifications, and Interface Groups 2, 6, and 9 are provided with Type A or B Transmission Specifications, depending on the Feature Group and whether the Access Service is routed directly or through an access tandem. All Interface Groups are provided with Data Transmission Parameters.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.4 Transmission Specifications (Cont'd)

6.4.3 Interface Groups (Cont'd)

Only certain premises interfaces are available at the customer's premises. The premises interfaces associated with the Interface Groups may vary among Feature Groups. The various premises interfaces which are available with the Interface Groups, and the Features Groups with which they may be used, are set forth in 6.4.3(E) following.

(A) Interface Group 1

Interface Group 1, except as set forth following, provides two-wire analog voice frequency transmission at the point of termination at the customer's premises. The interface is capable of transmission of voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hz.

Interface Group 1 is not provided in association with FGC and FGD when the first point of switching is an access tandem. In addition, Interface Group 1 is not provided in association with FGB, FGC or FGD when the first point of switching provides only four-wire terminations.

The transmission path between the point of termination at the customer's premises and the first point of switching may be comprised of any form or configuration of plant capable of and typically used in the telecommunications industry for the transmission of voice and associated telephone signals within the frequency bandwidth of 300 to 3000 Hz.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.4 Transmission Specifications (Cont'd)

6.4.3 Interface Groups (Cont'd)

(A) Interface Group 1 (Cont'd)

The interface is provided with loop supervisory signaling. When the interface is associated with FGA, such signaling will be loop start or ground start signaling. When the interface is associated with FGB, FGC or FGD, such signaling, except for two-way calling which is E&M signaling, will be reverse battery signaling.

(B) Interface Group 2

Interface Group 2 provides four-wire analog voice frequency transmission at the point of termination at the customer's premises. The interface is capable of transmission of voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hz.

The transmission path between the point of termination at the customer's premises and the first point of switching may be comprised of any form or configuration of plant capable of and typically used in the telecommunications industry for the transmission of voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hz.

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6. Switched Access Service (Cont'd)

6.4 Transmission Specifications (Cont'd)

6.4.3 Interface Groups (Cont'd)

(B) Interface Group 2 (Cont'd)

The interface is provided with loop supervisory signaling. When the interface is associated with FGA, such signaling will be loop start or ground start signaling. When the interface is associated with FGB, FGC or FGD, such signaling, except for two-way calling which is E&M signaling, will be reverse battery signaling.

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- 6. Switched Access Service (Cont'd)
 - 6.4 Transmission Specifications (Cont'd)
 - 6.4.3 Interface Groups (Cont'd)
 - (C) Interface Group 6

Interface Group 6 provides DS1 level digital transmission at the point of termination at the customer's premises. The interface is capable of transmitting electrical signals at a nominal 1.544 Mbps, with the capability to channelize up to 24 voice frequency transmission paths. Before the first point of switching, when analog switching utilizing analog terminations is provided, the Telephone Company will provide multiplex and channel bank equipment to derive 24 transmission paths of a frequency bandwidth of approximately 300 to 3000 Hz. When digital switching or analog switching with digital carrier terminations is provided, the Telephone Company will provide, at the first point of switching, a DS1 signal in D3/D4 format.

The interface is provided with individual transmission path bit stream supervisory signaling.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.4 Transmission Specifications (Cont'd)

6.4.3 Interface Groups (Cont'd)

(D) Interface Group 9

Interface Group 9 provides DS3 level digital transmission at the point of termination at the customer's premises. The interface is capable of transmitting electrical signals at a nominal 44.736 Mbps, with the capability to channelize up to 672 voice frequency transmission paths. Before the first point of switching, when analog switching utilizing analog terminations is provided, the Telephone Company will provide multiplex and channel bank equipment to derive up to 672 transmission paths of a frequency bandwidth of approximately 300 to 3000 Hz. When digital switching, or analog switching with digital carrier terminations, is provided, the Telephone Company will provide, at the first point of switching, DS1 signals in D3/D4 format.

The interface is provided with individual transmission path bit stream supervisory signaling.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.4 Transmission Specifications (Cont'd)

6.4.3 Interface Groups (Cont'd)

(E) Available Premises Interface Codes

Following is a matrix showing, for each Inter-face Group, which premises interface codes are available as a function of the Telephone Company switch supervisory signaling and Feature Group. Voice trunks are available with Interface Groups 2, 6, and 9. Signaling links are available with Interface Groups 6 and 9. For explanations of these codes, see the Glossary of Channel Interface Codes in Section 7.3.1 following.

| Telephone Interface Group | Premises Company Switch Supervisory Signaling | Interface Code | Feature Group | | | |
|---------------------------------|---|-------------------|---------------|---|---|---|
| | | | A | B | C | D |
| 1 | LO | 2LS2 | X | | | |
| | LO | 2LS3 | X | | | |
| | GO | 2GS2 | X | | | |
| | GO | 2GS3 | X | | | |
| | LO, GO | 2DX3 | X | X | X | X |
| | LO, GO | 4EA3-E | X | X | X | X |
| | LO, GO | 4EA3-M | X | X | X | X |
| | LO, GO | 6EB3-E | X | X | X | X |
| | LO, GO | 6EB3-M | X | X | X | X |
| | RV, EA, EB, EC | 2DX3 | | X | X | X |
| | RV, EA, EB, EC | 4EA3-E | | X | X | X |
| | RV, EA, EB, EC | 4EA3-M | | X | X | X |
| | RV, EA, EB, EC | 6EB3-E | | X | X | X |
| | RV, EA, EB, EC | 6EB3-M | | X | X | X |
| | EA, EB, EC | 6EC3 | | X | X | X |
| | RV | 2RV3-0 | X | X | X | |
| | RV | 2RV3-T | X | X | X | |
| | CCS | 2NO2 | | | | X |

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6. Switched Access Service (Cont'd)

6.4 Transmission Specifications (Cont'd)

6.4.3 Interface Groups (Cont'd)

(E) Available Premises Interface Codes (Cont'd)

| Telephone Interface Group | Premises Company Switch Supervisory Signaling | Interface Code | Feature Group | | | |
|---------------------------------|---|-------------------|---------------|---|---|---|
| | | | A | B | C | D |
| 2 | LO, GO | 4SF2 | X | X | X | X |
| | LO, GO | 4SF3 | X | X | X | X |
| | LO | 4LS2 | X | | | |
| | LO | 4LS3 | X | | | |
| | LO | 6LS2 | X | | | |
| | GO | 4GS2 | X | | | |
| | GO | 4GS3 | X | | | |
| | GO | 6GS2 | X | | | |
| | LO, GO | 4DX2 | X | X | X | X |
| | LO, GO | 4DX3 | X | X | X | |
| | LO, GO | 6EA2-E | X | X | X | X |
| | LO, GO | 6EA2-M | X | X | X | X |
| | LO, GO | 8EB2-E | X | X | X | X |
| | LO, GO | 8EB2-M | X | X | X | X |
| | LO, GO | 6EX2-B | X | | | |
| | RV, EA, EB, EC | 4SF2 | | X | X | X |
| | RV, EA, EB, EC | 4SF3 | | X | | |
| | RV, EA, EB, EC | 4DX2 | | X | X | X |
| | RV, EA, EB, EC | 4DX3 | | X | | |
| | RV, EA, EB, EC | 6DX2 | | X | | |
| | RV, EA, EB, EC | 6EA2-E | | X | X | X |
| | RV, EA, EB, EC | 6EA2-M | | X | X | X |
| | RV, EA, EB, EC | 8EB2-E | | X | X | X |
| | RV, EA, EB, EC | 8EB2-M | | X | X | X |
| | EA, EB, EC | 8EC2-M | | X | X | X |
| | RV | 4RV2-O | | X | X | X |
| | RV | 4RV2-T | | X | X | X |
| | RV | 4RV3-O | | X | X | |
| | RV | 4RV3-T | | X | X | |
| | CCS | 4NO2 | | | | X |

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6. Switched Access Service (Cont'd)

6.4 Transmission Specifications (Cont'd)

6.4.3 Interface Groups (Cont'd)

(E) Available Premises Interface Codes (Cont'd)

| Telephone Interface Group | Premises Company Switch Supervisory Signaling | Interface Code | Feature Group | | | |
|---------------------------------|---|-------------------|---------------|---|---|---|
| | | | A | B | C | D |
| 6 | LO, GO | 4DS9-15 | X | | | |
| | LO, GO | 4DS9-15L | X | | | |
| | RV, EA, EB, EC | 4DS9-15 | | X | X | X |
| | RV, EA, EB, EC | 4DS9-15L | | X | X | X |
| | CCS | 4DS9-15 | | | | X |
| 9 | LO, GO | 4DS6-44 | X | | | |
| | LO, GO | 4DS6-44L | X | | | |
| | RV, EA, EB, EC | 4DS6-44 | | X | X | X |
| | RV, EA, EB, EC | 4DS6-44L | | X | X | X |
| | CCS | 4DS6-44 | | | | X |

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6. Switched Access Service (Cont'd)6.5 Obligations of the Telephone Company

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

6.5.1 Network Management

The Telephone Company will administer its network to insure the provision of acceptable service levels to all telecommunications users of the Telephone Company's network services. Generally, service levels are considered acceptable only when both end users and customers are able to establish connections with little or no delay encountered within the Telephone Company network. The Telephone Company maintains the right to apply protective controls, i.e., those actions, such as call gapping, which selectively cancel the completion of traffic, over any traffic carried over its network, including that associated with a customer's Switched Access Service. Generally, such protective measures would only be taken as a result of occurrences such as failure or overload of Telephone Company or customer facilities, natural disasters, mass calling or national security demands. In the event that the protective controls applied by the Telephone Company result in the complete loss of service by the customer, the customer will be granted a Credit Allowance for Service Interruption as set forth in Section 2.4.4(B)(2) preceding.

6.5.2 Design and Traffic Routing of Switched Access Service

For Feature Group C and Feature Group D when ordered in trunks, 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 trunks 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.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.5 Obligations of the Telephone Company (Cont'd)6.5.2 Design and Traffic Routing of Switched Access (Cont'd)

For Feature Groups A and B and Feature Group D when ordered in trunks, the customer desired line or trunk directionality and/or traffic routing of the Switched Access Service between the customer's premises and the entry switch are specified on the customer's order for service. The Telephone Company will determine the optimal network configuration based on the capacity ordered. If the customer desires routing or directionality different from the optimal configuration 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 before establishing a firm order. Additionally, for Feature Group B the customer may order the optional feature Customer Specification of Switched Transport Termination.

6.5.3 Provision of Service Performance Data

Subject to availability, end-to-end service performance data available to the Telephone Company through its own service evaluation routines, may also be made available to the customer based on previously arranged intervals and format. These data provide information on overall end-to-end call completion and non-completion performance, e.g., customer equipment blockage, failure results and transmission performance. These data do not include service performance data which are provided under other tariff sections, e.g., testing service results. The charges for providing such data will be determined on an individual case basis.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.5 Obligations of the Telephone Company (Cont'd)

6.5.4 Trunk Group Measurements Reports

Subject to availability, the Telephone Company will make available trunk group data in the form of usage in CCS, peg count and overflow, to the customer based on previously agreed to intervals. The charges for providing such data will be determined on an individual case basis.

6.5.5 Determination of Number of Transmission Paths

When ordering Switched Access Services in line quantities for Feature Group A or trunk quantities for Feature Groups, B, C or D, the customer shall specify the number of transmission paths in lines or trunks based on their expected originating and terminating traffic.

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 end office switches only, or (3) the use of tandem switches only.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.5 Obligations of the Telephone Company (Cont'd)6.5.6 Determination of Number of End Office Transport Terminations

For analog entry switches, a termination will be provided for each transmission path provided. For digital entry switches an equivalent termination will be provided for each transmission path provided.

6.5.7 Design Blocking Probability

The Telephone Company will design and monitor the facilities used in the provision of Switched Access Service to meet the blocking probability criteria as set forth in (A) through (D) following:

- (A) For Feature Groups A and B no design blocking criteria apply.
- (B) For Feature Group C, the design blocking objective will be no greater than one percent (.01) between the point of termination at the customer's 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.
- (C) For Feature Group D, the design blocking objective for the final group will be no greater than one percent (.01) between the point of termination at the customer's premises and the end office switch, whether the traffic is directly routed without an alternate route or routed via an access tandem. Standard traffic engineering methods will be used by the Telephone Company to determine the number of transmission paths required to achieve this level of blocking. The Telephone Company will determine which traffic tables are used based on trunk group type and switch technology. The customer will be provided with these tables upon request.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.5 Obligations of the Telephone Company (Cont'd)

6.5.7 Design Blocking Probability (Cont'd)

(D) The Telephone Company will perform routine measurement functions for the capacity ordered, whether ordered in lines or trunks to assure that an adequate number of transmission paths are in service. The Telephone Company will recommend that additional capacity (i.e., lines or trunks) be ordered by the customer when additional paths are required to reduce the measured blocking level. For the Feature Group C or D capacity ordered, the design blocking objective is assumed to have been met if the routine measurements show that the measured blocking does not exceed the thresholds listed in the following tables.

- (1) For transmission paths carrying only first routed traffic directly between an end office and customer's premises without an alternate route, and for paths carrying only overflow traffic, the measured blocking thresholds are as follows:

| <u>Number of Transmission Paths Per Trunk Group</u> | <u>Measured Blocking Thresholds in the Time Consistent Busy Hour for the Number of Measurements Per Trunk Group</u> | | | |
|---|---|---------------------|---------------------|---------------------|
| | <u>15-20</u> | <u>11-14</u> | <u>7-10</u> | <u>3-6</u> |
| | <u>Measurements</u> | <u>Measurements</u> | <u>Measurements</u> | <u>Measurements</u> |
| 2 | .070 | .080 | .090 | .140 |
| 3 | .050 | .060 | .070 | .090 |
| 4 | .050 | .060 | .070 | .080 |
| 5-6 | .040 | .050 | .060 | .070 |
| 7 or more | .030 | .035 | .040 | .060 |

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.5 Obligations of the Telephone Company (Cont'd)

6.5.7 Design Blocking Probability (Cont'd)

(D) (Cont'd)

- (2) For transmission paths carrying first routed traffic between an end office and a 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 Per Trunk Group | | | |
|--|---|---------------------|---------------------|---------------------|
| | 15-20 | 11-14 | 7-10 | 3-6 |
| | <u>Measurements</u> | <u>Measurements</u> | <u>Measurements</u> | <u>Measurements</u> |
| 2 | .045 | .055 | .060 | .095 |
| 3 | .035 | .040 | .045 | .060 |
| 4 | .035 | .040 | .045 | .055 |
| 5-6 | .025 | .035 | .040 | .045 |
| 7 or more | .020 | .025 | .030 | .040 |

6.6 Obligations of the Customer

In addition to the Obligations of the Customer set forth in Section 2 preceding, the customer has certain specific obligations pertaining to the use of Switched Access Service. These obligations are as follows:

6.6.1. Report Requirements

Customers are responsible for providing the following reports to the Telephone Company, when applicable.

(A) Jurisdictional Reports

When a customer orders Switched Access Service for both interstate and intrastate use, the customer is responsible for providing reports as set forth in Section 2.3.10 preceding. Charges will be apportioned in accordance with those reports. The method to be used for determining the intrastate charges is set forth in Section 2.3.11 preceding.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.6 Obligations of the Customer (Cont'd)

6.6.1 Report Requirements (Cont'd)

(B) Code Screening Reports

When a customer orders service class routing, trunk access limitation or call gaping 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.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.6 Obligations of the Customer (Cont'd)6.6.1 Report Requirements (Cont'd)(C) 900 Access Service NXX Codes

All 900 NXX code assignments and administration shall be in accordance with the North American Numbering Plan (NANP).

When ordering 900 Access Service, NXX Codes to be activated and NXX Codes to be deactivated must be provided to the Telephone Company at least 30 calendar days prior to the effective date of the change. Customer assigned codes, for which an order has not been received, will be blocked. When 900 Access Service Intrastate traffic is terminated on a switched access line and not on a dedicated access line, the customer must notify the Telephone Company of all local exchange telephone numbers to which 900 Access Service traffic is designated so that the Telephone Company can balance the end office in accordance with standard Telephone Company engineering practices for heavy volume lines.

(D) Interim 500 Access Service NXX Codes

All 500 NXX Code assignments and administration shall be in accordance with the North American Numbering Plan (NANP).

When ordering Interim 500 Access Service, NXX Codes to be activated and NXX Codes to be deactivated must be provided to the Telephone Company at least 30 calendar days prior to the effective date of the change. Customer assigned codes, for which an order has not been received, will be blocked. When Interim 500 Access Service Intrastate traffic is terminated on a switched access line and not on a dedicated access line, the customer must notify the Telephone Company of all local exchange telephone numbers to which interim 500 Access Service traffic is designated so that the Telephone Company can balance the end office in accordance with standard Telephone Company engineering practices for heavy volume lines.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.6 Obligations of the Customer (Cont'd)

6.6.2 Supervisory Signaling

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

6.6.3 Trunk Group Measurement Reports

With the agreement of the customer, trunk group data in the form of usage in CCS, peg count and overflow for its end of all access trunk groups, where technologically feasible, will be made available to the Telephone Company. These data will be used to monitor trunk group utilization and service performance and will be based on previously arranged intervals and format.

6.6.4 Design of Switched Access Services

When a customer orders Switched Access Service on a per line or per trunk basis, it is the customer's responsibility to assure that sufficient access services have been ordered to handle its traffic.

6.7 Rate Regulations

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

6.7.1 Description and Application of Rates and Charges

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

(A) Monthly Rates

Monthly rates are flat recurring rates that apply each month or fraction thereof that a specific rate element is provided. For billing purposes, each month is considered to have 30 days.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

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

(B) Usage Rates

Usage rates are rates that apply only when a specific rate element is used. These are applied on a per access minute basis. Access minute charges are accumulated over a monthly period.

(C) Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for a specific work activity (i.e., installation or change to an existing service) and are developed at full cost recovery on a labor hours per labor time basis. The types of nonrecurring charges that apply for Switched Access Service are: installation of service, installation of optional features, service rearrangements, Interim 500 Access Service, and 900 Access Service.

(1) Installation of Service

Nonrecurring charges apply to each Switched Access Service installed.

For FGA, the per line installation charge is applicable. For FGB, FGC, FGD, Interim 500 Access, TFC and 900, the per trunk installation charge is applicable on a per end office or tandem basis.

- (2) If a separate nonrecurring charge applies for the installation of an optional feature available with Switched Access Service, the charge applies whether the feature is installed coincident with the initial installation of service or at any time subsequent to the initial installation of service.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.7 Rate Regulations (Cont'd)6.7.1 Description and Application of Rates and Charges (Cont'd)(C) Nonrecurring Charges (Cont'd)(3) Service Rearrangements

Service rearrangements to redirect traffic from direct routed to tandem routed for performance of the Toll Free Code (TFC) data base query required for TFC Access Service, where the TFC query function is initially available only at the tandem, will be assessed the End Office to Tandem Rearrangement Charge set forth in 6.8.3(B) following. When the TFC data base query function becomes available for TFC Access Service at end offices subtending the tandem to which customers have redirected TFC traffic, customers will be allowed to rearrange TFC traffic from tandem routed to direct routed at no charge provided that the same customer premises is maintained.

Service rearrangements are changes to existing services installed which do not result in either a change in the minimum period requirements or a change in the physical location of the point of termination at the customer's premises or the customer's end user's premises. Changes which result in the establishment of new minimum period obligations are treated as disconnects and starts. Changes in the physical location of the point of termination are treated as moves and are described and charged for as set forth in 6.7.5, following.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

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

(C) Nonrecurring Charges (Cont'd)

(3) Service Rearrangements (Cont'd)

The charge to the customer for the service rearrangement is dependent on whether the change is administrative only in nature or involves an actual physical change to the service.

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

- Change of customer name (i.e., the customer of record does not change but rather the customer of record changes its name--e.g., AT&T-Long Lines to AT&T-Communications),
- Change of customer or customer's end user premises address when the change of address is not a result of a physical relocation of equipment,
- Change in billing data (name, address, or contact name or telephone number),
- Change of agency authorization,
- Change of customer circuit identification,
- Change of billing account number,
- Change of customer test line number,
- Change of customer or customer's end user contact name or telephone number,
- Change of jurisdiction

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.7 Rate Regulations (Cont'd)6.7.1 Description and Application of Rates and Charges (Cont'd)(C) Nonrecurring Charges (Cont'd)(3) Service Rearrangements (Cont'd)

All other service rearrangements will be charged for as follows:

- If the change involves the addition of or a modification to an optional feature which has a separate nonrecurring charge, that nonrecurring charge will apply.
- Rearrangements to convert FGD trunks from multifrequency address signaling to SS7 signaling will be provided at no charge. Rearrangements to convert FGD trunks from SS7 signaling to multifrequency address signaling will incur nonrecurring charge(s) as specified in 6.8.3(A) following. Such conversions will be scheduled on a project basis by the Telephone Company in cooperation with the customer.
- When the service switching point (SSP) is located at the Telephone Company's access tandem, end office and tandem trunk rearrangements will be provided at the charges set forth in 6.8.3(B) following when all of the following conditions apply:
 - (a) End office and tandem trunk rearrangements will be provided only on Feature Group D trunks located at the end office switch.
 - (b) The customer must disconnect one trunk at the end office or access tandem for each trunk installed at the SSP-equipped tandem. The number of trunks being connected at the SSP-equipped tandem cannot exceed the number of trunks disconnected.
 - (c) The customer must place the order to connect at the SSP-equipped tandem at the same time the order is placed to disconnect from the end office or tandem. The due date of the disconnection order cannot be more than six months past due date of the order to install at the SSP-equipped tandem.
 - (d) Orders to install at the SSP-equipped tandem must be received by the Telephone Company with a due date no later than six months after conversion to Toll Free Code (TFC) number portability.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

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

(C) Nonrecurring Charges (Cont'd)

(3) Service Rearrangements (Cont'd)

If the Telephone Company installs an SSP at the end office tandem, upon receipt of an access order prior to December 31, 1995, the customer's trunks will be rearranged from the SSP-equipped tandem to the original end office or tandem at the access order charges set forth in Section 5.2.2 preceding.

- When the SSP is not located at the Telephone Company's point of switching, and traffic routing changes for end office to tandem trunking are required, a charge equal to one half the Switched Transport nonrecurring (i.e., installation) charge as specified in 6.8.2(F) following will apply on a per end office basis.
- For all other charges, including the addition of, or modifications to, optional features without separate nonrecurring charges, a charge equal to one half the Switched Transport nonrecurring (i.e., installation) charge will apply. When an optional feature is not required on each transmission path group, 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).

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.7 Rate Regulations (Cont'd)6.7.1 Description and Application of Rates and Charges (Cont'd)(C) Nonrecurring Charges (Cont'd)(3) Service Rearrangements (Cont'd)

The nonrecurring charges associated with routing trunks from tandem to end office or from end office to tandem transport will not apply when the following conditions are met:

- (a) The customer must maintain the same customer premises location. Requests to add or change optional features will be subject to the charges applicable to the features.
- (b) Direct routed end office trunks must subtend the tandem from which the service is being rearranged.
- (c) One trunk at the end office or tandem must be disconnected for each rerouted tandem or end office trunk installed with the following exception. If the customer demonstrates that industry accepted engineering standards require the installation of additional trunks, the nonrecurring charges for such additional trunks will not apply.
- (d) The order to disconnect from the tandem or end office must be placed at the same time as the order to connect at the tandem or end office. The due date for the disconnect order may not be more than 90 days after the due date for the order to install the tandem or end office trunk.

These nonrecurring charges include installation of new facilities between the Telephone company serving wire center and the customer's designated premises when such facilities are required to provision rerouted trunks.

The nonrecurring charges associated with upgrades in capacity (i.e., multiple DS0s converting to DS1s or multiple DS1s converting to DS3s or STS1s, or DS3s converting to STS1s) will not apply when the customer maintains the same customer premises location. Requests to add or change optional features will be subject to the nonrecurring charges associated with the features requested.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.7 Rate Regulations (Cont'd)6.7.1 Description and Application of Rates and Charges (Cont'd)(C) Nonrecurring Charges (Cont'd)(3) Service Rearrangements (Cont'd)

A nonrecurring service upgrade charge, as set forth in 6.8.2(7) following, will apply per DS1, DS3 or STS1 upgraded when converting existing high capacity services to OptiPoint service. The charge does not apply when OptiPoint is ordered as new service and no existing high capacity services are being relocated to the OptiPoint service. For orders for new services submitted after May 31, 2001, the nonrecurring service upgrade charge will apply for each DS1, DS3 or STS1 channel connected to new OptiPoint service when existing DS1, DS3 or STS1 facilities between the same points of termination as the new OptiPoint service are disconnected within 30 days of the order for new services.

For service rearrangements involving OC3, OC12 or OC48 switched access services (e.g., OptiPoint Service), a charge equal to one half the Optical Service Charge set forth in 6.8.1 following will apply for each node rearranged.

For all other charges, including the addition of, or modifications to, optional features without separate nonrecurring charges, a charge equal to one half the Switched Transport nonrecurring (i.e., installation charge will apply. When an optional feature is not required on each transmission path, but rather for an entire transmission path group, an end office or an access tandem switch, only one such charge will apply (i.e., it will not apply per transmission path).

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.7 Rate Regulations (Cont'd)6.7.1 Description and Application of Rates and Charges (Cont'd)(C) Nonrecurring Charges (Cont'd)(4) 900 Access Service

A nonrecurring charge as specified in 6.8.5 following applies each time a change is made which involves the addition or deletion of 900 NXX codes to be routed to the customer. The charge is assessed per 900 NXX code added or deleted for each Telephone Company end office switch or access tandem in which translation changes are required. This charge applies to the initial loading of one or more 900 NXX codes required to establish service for the customer, and to any subsequent changes (i.e., additions or deletions) to those codes. There is also an Assembly of Route Pattern nonrecurring charge which applies once for each Telephone Company end office, but only on the customer's initial request to the Telephone Company for 900 Access Service in the state, LATA, access tandem or end office.

(5) Interim 500 Access Service

A nonrecurring charge as specified in 6.8.6 following applies each time a change is made which involves the addition or deletion of 500 NXX codes to be routed to the customer. The charge is assessed per 500 NXX code added or deleted for each Telephone Company end office switch or access tandem in which translation changes are required. This charge applies to the initial loading of one or more 500 NXX codes required to establish service for a customer, and to any subsequent changes (i.e., additions or deletions) to those codes. There is also an Assembly of a Route Pattern nonrecurring charge which applies once for each Telephone Company end office, but only on the customer's initial request to the Telephone Company for Interim 500 Access Service in the state, LATA, access tandem or end office.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

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

(D) Application of Rates

Switched Transport and Local Switching rates are applied either as premium rates or transitional rates.

The specific application of premium and transitional rates for a specific customer is dependent upon the Feature Group and 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 premium and transitional rates:

- (1) Premium rates apply to all FGC and FGD access minutes, to all FGA and FGB access minutes that originate from or terminate at end offices equipped with equal access (i.e., FGD) capabilities and to all access minutes that originate or terminate at end offices not equipped with equal access capabilities when the service is provided to customers which furnish intrastate MTS/WATS. Premium rates also apply to all Interim 500, Toll Free Code (TFC) and 900 Access Service minutes that originate from equal access end offices via FGD or Interim 500, TFC and 900 Access Service minutes that originate from non equal access end offices for customers who subscribe to FGC.
- (2) Premium rates, including Local Switching – LS2, apply to all FGB, FGC, and FGD usage at an end office for any customer which provides MTS and WATS service and subscribes to FGB and either FGC or FGD originating and/or terminating at those end offices.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

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

(D) Application of Rates (Cont'd)

- (3) Transitional usage rates (i.e., discounted access minute rates) apply to all FGA or FGB access minutes (measured or assumed) that originate from or terminate at non equal access end offices. Transitional rates also apply to all non-AT&T Toll Free Code (TFC) and 900 Access Service minutes that originate from non equal access end offices.
- (4) When FGA or FGB Switched Access Service 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 transitional rates for Switched Access Service (including Carrier Common Line) 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. 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 be billed at transitional rates.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

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

(D) Application of Rates (Cont'd)

(4) (Cont'd)

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

- (i) Where measurement capability exists, and end office specific usage data is available, premium rates will apply to all access minutes originating from or terminating at equal access end offices.
- (ii) Where measurement capability does not exist and/or end office specific usage data is not available, originating and/or terminating usage will be apportioned between premium and non-premium usage as described following. The usage to be apportioned will be the recorded usage or the assumed usage as set forth in 6.7.6 following.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

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

(D) Application of Rates (Cont'd)

(4) (Cont'd)

(b) (Cont'd)

(ii) (Cont'd)

Such apportionment will be based on the ratio of the number of subscriber lines in the access area (i.e., local calling area, LATA or end offices subtending the access tandem, as appropriate) of the entry switch 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.

The ratios used to determine the premium usage will be updated 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).

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

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

(D) Application of Rates (Cont'd)

(4) (Cont'd)

(b) (Cont'd)

(ii) (Cont'd)

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 and 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 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. The customer will be billed for the revised number of premium access minutes.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

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

(D) Application of Rates (Cont'd)

(4) (Cont'd)

- (c) The Telephone Company will provide written notification to all access customers of record within a particular local calling area that an end office in that local calling area 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 local calling area 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 existing services to equal access (i.e., Feature Group D) at no charge pursuant to the conditions set forth in 6.7.4 following, or retaining the existing services. 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

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.2 Minimum Periods

The minimum service period for all switched access service is one month, with the exception of OptiPoint Services and Feature Group D. Feature Group D is provided for a minimum period of three months.

6.7.3 Minimum Monthly Charge

Switched Access Service is subject to a minimum monthly charge. The minimum charge applies for the total capacity provided. The minimum monthly charge consists of the following elements:

For usage rated Switched Access Services, the minimum monthly charge for Tandem-Switched Transport and Local Switching rate elements is the sum of the charges set forth in 6.8.2(C) and 6.8.3 following for the measured or assumed usage for the month. For flat rated Switched Access services, the minimum monthly charge for the Entrance Facility and Direct-Trunked Transport rate elements is the applicable monthly rate for the service.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.7 Rate Regulations (Cont'd)6.7.4 Change of Feature Group Type

Changes from one type of Feature Group to another will be treated as a discontinuance of one type of service and a start of another. Nonrecurring charges will apply, with two exceptions.

- (1) When a customer upgrades a Feature Group A or B service to a Feature Group D service, the nonrecurring charges will not apply if the following conditions are met:
 - (a) The same customer premises is maintained, and
 - (b) The orders for the disconnect of the FGA or FGB service and the start of FGD service are placed with the Telephone Company at the same time, and
 - (c) The customer requests the same effective date for both the disconnect of service and start of service orders, or
 - (d) The customer requests the FGA or FGB service be disconnected no more than 90 days after the start of the FGD service.
- (2) When a FGC service is upgraded to a FGD service, the nonrecurring charge will not apply. Because FGC is no longer available in an end office once the end office is equipped with equal access capabilities, (i.e., FGD), such up grades will be performed by the Telephone Company without the customer being required to place an order for the change.

When the effective dates for the disconnect and start of service are the same, minimum period obligations will not change, (i.e., the time elapsed in the existing minimum period obligations will be credited to the minimum period obligations for FGD). When the effective dates for the disconnect and start of service are different, new minimum period obligations will be established for the FGD service. For all other changes from one type of Feature Group to another, new minimum period obligations will also be established.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.5 Moves

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

- The point of termination at the customer's premises
- The customer's premises

The charges for the move are dependent on whether the move is to a new location within the same building or to a different building.

(A) Moves Within the Same Building

When the move is to a new location within the same building, the charge for the move will be an amount equal to one-half of the nonrecurring (i.e., installation) charge for the capacity affected. There will be no change in the minimum period requirements.

(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.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.7 Rate Regulations (Cont'd)6.7.6 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. For terminating calls over FGA and FGB, FGC to Toll Free Code (TFC) and FGD, for originating calls over FGA, FGB and FGD, the measured minutes are the chargeable access minutes. For originating calls over FGC, chargeable originating access minutes are derived from measured conversation minutes and through the use of Telephone Company factors. Chargeable terminating access minutes for FGC are derived on an individual entity basis from measured originating access minutes through application of a factor based on the Centralized Message Data System (CMDS) Report 809 Out + In/Out ratio minus 1.

When assumed minutes are used, the assumed minutes are the chargeable access minutes.

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. FGB, FGC and FGD access minutes or fractions thereof, the exact value of the fraction being a function of the switch technology where the measurement is made, are accumulated over the billing period for each end office, and are then rounded up to the nearest access minute for each end office.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.6 Measuring Access Minutes (Cont'd)

Assumed minutes are used for FGA and FGB services which originate or terminate in end offices not equipped with measurement capabilities.

Where originating and/or terminating recording capability does not exist for FGA, the number of access minutes will be assumed to be 3080 access minutes per line if the line is arranged for two way calling, 1629 access minutes per line if the line is arranged for originating only calling, and 1451 access minutes per line if the line is arranged for terminating only calling. When the line is arranged for two way calling and there is no recording capability for either direction, 1629 access minutes will be assumed to be originating and 1451 access minutes will be assumed to be terminating. Where recording 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 will be an assumed 3080 or the recorded usage, whichever is greater. If the usage in the measured direction exceeds 3080 access minutes, it will be assumed that there is zero usage in the unmeasured direction. If the measured usage is less than 3080 access minutes, the usage in the unmeasured direction will be assumed to be 3080 access minutes minus the measured usage (e.g., 3080-2000 measured = 1080 assumed in the unmeasured direction).

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.7 Rate Regulations (Cont'd)6.7.6 Measuring Access Minutes (Cont'd)

Where originating and/or terminating recording capability does not exist for FGB provided to an entry switch, the number of access minutes will be assumed to be 9000 access minutes per trunk if the trunk is arranged for two way calling, and 4500 access minutes per trunk if the trunk is arranged for one way calling. When the trunk is arranged for two way calling and there is no recording capability for either direction, 4500 access minutes will be assumed to be originating and 4500 access minutes will be assumed to be terminating. Where recording 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 will be an assumed 9000 or the recorded usage, whichever is greater. If the usage in the measured direction exceeds 9000 access minutes, it will be assumed that there is zero usage in the unmeasured direction. If the measured usage is less than 9000 access minutes, the usage in the unmeasured direction will be assumed to be 9000 access minutes minus the measured usage (e.g., 9000 - 6000 measured = 3000 assumed in unmeasured direction).

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.7 Rate Regulations (Cont'd)6.7.6 Measuring Access Minutes (Cont'd)(A) Feature Group A Usage Measurement

For originating calls over FGA, usage measurement begins when the originating FGA entry switch receives an off-hook supervisory signal forwarded from the customer's point of termination, indicating that the customer has received the call.

The measurement of originating call usage over FGA ends when the originating FGA entry switch receives an on-hook supervisory signal from either the originating end user's end office, indicating the originating end user has disconnected, or the customer's point of termination, whichever is recognized first by the entry switch.

For terminating calls over FGA, usage measurement begins when the terminating FGA entry switch receives an off-hook supervisory signal from the terminating end user's end office, indicating the terminating end user has answered. The measurement of terminating call usage over FGA ends when the terminating FGA entry switch receives an on-hook supervisory signal from either the terminating end user's end office, indicating the terminating end user has disconnected, or the customer's point of termination, whichever is recognized first by the entry switch.

(B) Feature Group B Usage Measurement

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

The measurement of originating call usage over FGB ends when the originating FGB entry switch receives disconnect supervision from either the originating end user's end office, indicating the originating end user has disconnected, or the customer's point of termination, whichever is recognized first by the entry switch.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.6 Measuring Access Minutes (Cont'd)

(B) Feature Group B Usage Measurement (Cont'd)

For terminating calls over FGB, usage measurement begins when the terminating FGB entry switch receives answer supervision from the terminating end user's end office, indicating the terminating end user has answered.

The measurement of terminating call usage over FGB ends when the terminating FGB entry switch receives disconnect supervision from either the terminating end user's end office, indicating the terminating end user has disconnected, or the customer's point of termination, whichever is recognized first by the entry switch.

(C) Feature Group C Usage Measurement

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

The measurement of originating call usage over FGC ends when the originating FGC entry switch receives disconnect supervision from either the originating end user's end office, indicating the originating end user has disconnected, or the customer's point of termination, whichever is recognized first by the entry switch.

For terminating calls over FGC to services other than Toll Free Code (TFC) or 900, terminating FGC usage may not be directly measured at the terminating entry switch, but may be imputed from originating usage, excluding usage from calls to TFC or 900. Actual measured usage will be used where available rather than an inputted value.

For terminating calls over FGC to TFC Service, usage measurement begins when the terminating FGC entry switch receives answer supervision from the terminating end user's end office, indicating the terminating TFC Service end user has answered.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.7 Rate Regulations (Cont'd)6.7.6 Measuring Access Minutes (Cont'd)(C) Feature Group C Usage Measurement (Cont'd)

The measurement of terminating call usage over FGC to Toll Free Code (TFC) Service ends when the terminating FGC entry switch receives an on-hook supervisory signal from the terminating end user's end office, indicating the terminating TFC Service end user has disconnected, or from the customer's point of termination, whichever is recognized first by the entry switch.

(D) Feature Group D Usage Measurement

For originating calls over FGD, with multifrequency address signaling, usage measurement begins when the originating FGD entry switch receives the first wink supervisory signal forwarded from the customer's point of termination. The measurement of originating call usage over FGD ends when the originating FGD entry switch receives disconnect supervision from either the originating end user's end office, indicating the originating end user has disconnected, or the customer's point of termination, whichever is recognized first by the entry switch.

For originating calls over FGD with SS7 signaling, usage measurement begins with the transmission of the initial address message. The measurement of originating FGD call usage ends when the entry switch receives or sends a release message, whichever occurs first.

For terminating calls over FGD, with multifrequency address signaling, the measurement of access minutes begins when the terminating FGD entry switch receives answer supervision from the terminating end user's end office, indicating the terminating end user has answered. The measurement of terminating call usage over FGD ends when the terminating FGD entry switch receives disconnect supervision from either the terminating end user's end office, indicating the terminating end user has disconnected, or the customer's point of termination, whichever is recognized first by the entry switch.

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

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.6 Measuring Access Minutes (Cont'd)

(E) Toll Free Code (TFC) Access Service Usage Measurement

Usage measurement from non-equal access and equal access end offices without the customer identification function begins when the originating end office switch receives off-hook supervision forwarded from the customer's point of termination, indicating the transmitted digits have been received, except for the FGC as stated following.

Usage measurement for FGC begins when the originating end office receives off-hook answer supervision forwarded from the customer's point of termination, indicating the called party has answered.

Usage measurement from equal access end offices with the customer identification function begins when the originating end office switch receives the first wink supervisory signal forwarded from the customer's point of termination.

In all cases, usage measurement ends when the originating end office receives on-hook disconnect supervision from either the originating end user's end office, indicating the originating end user has disconnected, or the customer's point of termination, whichever is recognized first by the end office.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.7 Rate Regulations (Cont'd)6.7.6 Measuring Access Minutes (Cont'd)(F) 900 Access Service Usage Measurement

Usage measurement from non-equal access and equal access end offices without the customer identification function begins when the originating end office switch receives off-hook supervision forwarded from the customer's point of termination, indicating the transmitted digits have been received, except for the FGC as stated following.

Usage measurement for FGC begins when the originating end office receives off-hook answer supervision forwarded from the customer's point of termination, indicating the called party has answered.

Usage measurement from equal access end offices with the customer identification function begins when the originating end office switch receives the first wink supervisory signal forwarded from the customer's point of termination.

In all cases, usage measurement ends when the originating end office receives on-hook disconnect supervision from either the originating end user's end office, indicating the originating end user has disconnected, or the customer's point of termination, whichever is recognized first by the end office.

(G) Interim 500 Access Service Usage Measurement

Usage measurement from non-equal access and equal access end offices without the customer identification function begins when the originating end office switch receives off-hook supervision forwarded from the customer's point of termination, indicating the transmitted digits have been received, except for FGC as stated following.

Usage measurement for FGC begins when the originating end office receives off-hook answer supervision forwarded from the customer's point of termination, indicating the called party has answered.

Usage measurement from equal access end offices with the customer identification function begins when the originating end office switch receives the first wink supervisory signal forwarded from the customer's point of termination.

In all cases, usage measurement ends when the originating end office receives on-hook disconnect supervision from either the originating end user's end office, indicating the originating end user has disconnected, or the customer's point of termination, which ever is recognized first by the end office.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.7 Rate Regulations (Cont'd)6.7.7 Network Blocking Charge for Feature Group D

The customer will be notified by the Telephone Company to increase its capacity (quantities of trunks) when excessive trunk group blocking occurs on groups carrying Feature Group D traffic. Excessive trunk group blocking occurs when the blocking thresholds as described in 6.5.7 preceding are exceeded. If the order for sufficient additional capacity to handle the customers' traffic has not been received by the Telephone Company within 15 days of the notification, the Telephone Company will bill the customer, at the rate set forth in 6.8.2(C) following, for each overflow in excess of the chargeable threshold.

Chargeable ThresholdsFor Trunk Groups as Specified in 6.5.7(D) (1)

| <u>Trunk Group Size</u> | <u>Allowable Overflows Per Trunk Per Month</u> |
|-------------------------|--|
| 1-2 | 18 |
| 3-4 | 19 |
| 5-6 | 13 |
| 7-40 | 10 |
| 41-139 | 9 |
| 140-500 | 8 |
| 501 or greater | 7 |

For Trunk Groups as Specified in 6.5.7(D) (2)

| <u>Trunk Group Size</u> | <u>Allowable Overflows Per Trunk Per Month</u> |
|-------------------------|--|
| 1-4 | 10 |
| 5-6 | 8 |
| 7-125 | 6 |
| 126 or greater | 5 |

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.8 Application of Rates for Extension Service

Feature Group A Switched Access Service is available with extensions, i.e., additional terminations of the service at different building(s) in the same or a different exchange. Feature Group A extensions within the same exchange are charged for under the Telephone Company's local and/or general exchange service tariffs. Feature Group A extensions in different exchanges are charged for as Special Access Service. The rate elements which apply are: A Voice Grade Channel Termination, Channel Mileage, if applicable, and a Signaling Capability, if applicable. All appropriate monthly rates and nonrecurring charges set forth in Section 7.5.3 following will apply. Such extensions are ordered as set forth in Section 5.2 preceding.

6.7.9 Message Unit Credit

Calls from end users to the seven digit local telephone numbers associated with Feature Group A Switched Access Service will not be charged, therefore, a message unit credit will not be applicable.

6.7.10 Local Information Delivery Services

Calls over Switched Access in the terminating direction to certain community information services will be rated under the applicable rates for Switched Access Service as set forth in 6.8 following. In addition, the charges per call as specified under the Telephone Company's local and/or general exchange service tariffs, e.g., 976 (DIAL-IT) Network Services, will also apply.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.7 Rate Regulations (Cont'd)6.7.11 Mileage Measurement

The mileage to be used to determine the rate for Direct-Trunked Transport and Tandem-Switched Transport is calculated based on the airline distance between the end office switch where the call carried by Switched Transport service originates or terminates and the customer's serving wire center, except as set forth in (A) through (L) following. The V&H coordinates method is used to determine mileage. This method is set forth in the National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4 for Wire Center Information (V&H coordinates).

If the calculation results in a fraction of a mile, always round up to the next whole mile before applying the rates.

Exceptions to the mileage measurement rules are as follows:

(A) When Switched Transport facilities of different capacities are interconnected by a multiplexer at a location other than the serving wire center, mileage is determined using the V&H coordinates method as set forth following:

- (1) When only one multiplexer is involved, mileage for Direct-Trunked Transport and Tandem-Switched Transport is measured separately from the serving wire center to the hub where multiplexing (i.e., facilities interconnection) occurs and then measured from the hub to the end office where the call is switched to originate or terminate.
- (2) When more than one multiplexer is involved, mileage for Direct-Trunked Transport and Tandem-Switched Transport is measured successively from the serving wire center to the first hub, from the first hub to the second hub, and then from the second hub to the end office where the call is switched to originate or terminate.

If more than two hubs are involved, mileage is measured successively between each intervening hub, with the final measurement being from the last hub to the end office where the call is switched to originate or terminate.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.7 Rate Regulations (Cont'd)6.7.11 Mileage Measurement (Cont'd)

- (B) When transport is provided to a host/remote arrangement, Tandem-Switched Transmission rates apply from the Host office to the associated RSMs/RSSs. Mileage for Tandem-Switched Transmission is calculated from the V&H coordinates of the Host office and the RSS/RSM where the call originates or terminates. Additional Tandem-Switched Transport or Direct-Trunked Transport rates apply depending on the transport service provided from the host/ remote arrangement.
- (C) When Switched Transport is provided to a Class 4/5 switch (i.e., a switch that functions as both an access tandem and end office) for both access tandem routing and end office routing, mileage is calculated using the V&H coordinates method.

Direct-Trunked Transport is measured from the serving wire center to the hub interconnecting the Tandem-Switched Transport and the Direct-Trunked Transport facilities and then measured from the hub to the end office.

Tandem-Switched Transmission is measured from the hub interconnecting the Tandem-Switched Transport and the Direct-Trunked Transport facilities to the end office where the call is switched to originate or terminate.

- (D) When Direct-Trunked Transport is provided for line side Switched Access services (i.e., FGA), both Direct-Trunked Transport and Tandem-Switched Transmission rates apply.

Direct-Trunked Transport applies to both originating and terminating usage, and mileage is calculated using the V&H coordinates of the customer's serving wire center and the end office switch where the dial tone for the line side Switched Access service is provided.

Tandem-Switched Transmission applies only to terminating usage, and mileage is calculated using the V&H coordinates of the dial tone office and the end office where the call is switched to terminate.

- (E) Mileage for access minutes in the originating direction over Feature Group A Switched Access Service will be calculated on an airline basis, using the V&H coordinates method, between the end office switch where the Feature Group A switching dial tone is provided and the customer's serving wire center for the Switched Access Service provided.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.7 Rate Regulations (Cont'd)6.7.11 Mileage Measurement (Cont'd)

- (F) When trunks are rerouted from an end office to an access tandem as set forth in 6.7.1(C)(3) preceding, the Switched Transport mileage will be calculated on the airline distance between the end office and the serving wire center of the customer's POP associated with that access tandem.
- (G) When the Alternate Traffic Routing optional feature is provided with Feature Groups B, C and D to provide service from an end office to different customer premises locations, Switched Transport access minutes will be apportioned between the two transmission routes used to provide this feature. For Feature Groups B and C, such apportionment will be made using standard Telephone Company traffic engineering methodology and will be based on the last trunk CCS desired for the high usage group, as described in 6.3(O) preceding, and the relative capacity ordered to the end office, when the feature is provided at an end office switch, or to the subtending end offices when the feature is provided at an access tandem switch. For Feature Group D, the apportionment will be based on the actual measured data which is recorded against the specific trunk group that carried a particular call. This apportionment will serve as the basis for the Switched Transport mileage calculation. The customer will be billed accordingly.
- (H) Switched Transport mileage for access minutes originating from or terminating at a remote switching system (RSS) or remote switching module (RSM) that shares an NXX with its host office will be based on the airline miles between the customer's serving wire center and the host office. Switched Transport mileage for access minutes originating from or terminating at an RSS or RSM that has its own NXX (i.e., different from the host's NXX) will be based on the airline miles between the customer's serving wire center and the RSS or RSM.
- (I) When terminating Feature Group C Switched Access Service is provided from multiple customer premises to an end office not equipped with measurement capabilities, the total Switched Transport access minutes for that end office will be apportioned among the trunk groups accessing the end office on the basis of the capacity ordered for each FGC trunk group. This apportionment will serve as the basis for Switched Transport mileage calculation and the customer will be billed accordingly.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.11 Mileage Measurement (Cont'd)

- (J) When FGA calls terminate within the local calling area of the dial tone office, the Switched Transport mileage will be calculated on an airline basis between the customer's serving wire center and the dial tone office.
- (K) Switched transport mileage for Interim 500, TFC and 900 Access Service is based on the airline distance between the end office switch where the Interim 500, TFC or 900 Access Service traffic originates and the customer's serving wire center.
- (L) Where Feature Groups A, B, C, and D Switched Access Services are connected with Special Access Service at a WATS Serving Office, the Telephone Company will measure mileage on an airline mileage basis between:
 - (1) The WATS Serving Office and the Serving Wire Center for the customer designated premises, or
 - (2) The Feature Group A or B entry switch and the Serving Wire Center for the customer designated premises.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.12 Shared Use

Shared use occurs when Switched Access Service and Special Access Service are provided over the same analog or digital high capacity facility through a common interface. The regulations governing the provision of Shared Use Facilities are set forth in Section 7.4.5 following. Switched Access rates and charges as set forth in 6.8 following will apply for each channel of the high capacity facility that is used to provide Switched Access Service.

6.7.13 Interim 500 or 900 NXX in Multi-State LATAs

For customers ordering LATA-wide Interim 500 Access Service or 900 Access Service in LATAs that cross state boundaries but are served by the same screening office, the applicable nonrecurring charge for that screening office, as set forth in 6.8.5 and 6.8.8 following, will not be billed twice (i.e., once for each state); they will only be billed once for each NXX code activated or deactivated in that screening office.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rates and Charges

6.8.1 Optical Service Charge

Nonrecurring
 Charges

| | |
|------|-------------|
| OC3 | \$ 7,500.00 |
| OC12 | \$ 8,500.00 |
| OC48 | \$12,500.00 |

6.8.2 Switched Transport

Monthly
 Rates

Nonrecurring
 Charges

(A) Entrance Facilities

- (1) Voice Grade
 - Per Point of Termination
 Two-Wire
 Four-Wire

| | |
|----------|----------|
| \$ 23.00 | \$150.00 |
| \$ 39.00 | \$150.00 |

- (2) DS1
 - Per DS1

| | |
|----------|----------|
| \$150.00 | \$550.00 |
|----------|----------|

- (3) DS3
 - Per Point of Termination

Installation \$550.00

Rearrangement \$275.00

| | |
|--------------|------------|
| Within CO | \$1,300.00 |
| 0 – 3 Miles | \$1,650.00 |
| Over 3 Miles | \$2,100.00 |

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.2 Switched Transport (Cont'd)

(A) Entrance Facilities (Cont'd)

- (4) OptiPoint-3
 - With Telephone Company
 Provided Terminal Equipment
 - Per Point of Termination

1 Year Commitment

| | | |
|--------------|------------|------------|
| Within CO | \$1,806.00 | \$5,260.00 |
| 0 - 3 Miles | \$2,875.00 | \$5,260.00 |
| Over 3 Miles | \$4,550.00 | \$5,260.00 |

3 Year Commitment

| | | |
|--------------|------------|--|
| Within CO | \$1,445.00 | |
| 0 - 3 Miles | \$2,330.00 | |
| Over 3 Miles | \$3,640.00 | |

5 Year Commitment

| | | |
|--------------|------------|--|
| Within CO | \$1,300.00 | |
| 0 - 3 Miles | \$2,100.00 | |
| Over 3 Miles | \$3,275.00 | |

- (5) OptiPoint-3
 - Without Telephone Company
 Provided Terminal Equipment
 - Per Point of Termination

1 Year Commitment

| | | |
|--------------|------------|------------|
| Within CO | \$1,075.00 | \$3,950.00 |
| 0 - 3 Miles | \$2,181.00 | \$3,950.00 |
| Over 3 Miles | \$3,825.00 | \$3,950.00 |

3 Year Commitment

| | | |
|--------------|------------|--|
| Within CO | \$ 860.00 | |
| 0 - 3 Miles | \$1,745.00 | |
| Over 3 Miles | \$3,060.00 | |

5 Year Commitment

| | | |
|--------------|------------|--|
| Within CO | \$ 775.00 | |
| 0 - 3 Miles | \$1,575.00 | |
| Over 3 Miles | \$2,755.00 | |

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6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.2 Switched Transport (Cont'd)

(A) Entrance Facilities (Cont'd)

- (6) OptiPoint-12
 - With Telephone Company
 Provided Terminal Equipment
 - Per Point of Termination

1 Year Commitment

| | <u>Monthly Rates</u> | <u>Nonrecurring Charges</u> |
|--------------|----------------------|-----------------------------|
| Within CO | \$2,500.00 | \$13,170.00 |
| 0 - 3 Miles | \$3,469.00 | \$13,170.00 |
| Over 3 Miles | \$5,688.00 | \$13,170.00 |

3 Year Commitment

| | |
|--------------|------------|
| Within CO | \$2,000.00 |
| 0 - 3 Miles | \$2,775.00 |
| Over 3 Miles | \$4,550.00 |

5 Year Commitment

| | |
|--------------|------------|
| Within CO | \$1,800.00 |
| 0 - 3 Miles | \$2,500.00 |
| Over 3 Miles | \$4,100.00 |

- (7) OptiPoint-12
 - Without Telephone Company
 Provided Terminal Equipment
 - Per Point of Termination

1 Year Commitment

| | <u>Monthly Rates</u> | <u>Nonrecurring Charges</u> |
|--------------|----------------------|-----------------------------|
| Within CO | \$1,444.00 | \$11,280.00 |
| 0 - 3 Miles | \$2,500.00 | \$11,280.00 |
| Over 3 Miles | \$4,644.00 | \$11,280.00 |

3 Year Commitment

| | |
|--------------|------------|
| Within CO | \$1,155.00 |
| 0 - 3 Miles | \$2,000.00 |
| Over 3 Miles | \$3,715.00 |

5 Year Commitment

| | |
|--------------|------------|
| Within CO | \$1,040.00 |
| 0 - 3 Miles | \$1,805.00 |
| Over 3 Miles | \$3,350.00 |

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6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.2 Switched Transport (Cont'd)

(A) Entrance Facilities (Cont'd)

- (8) OptiPoint-48
 - With Telephone Company
 Provided Terminal Equipment
 - Per Point of Termination

3 Year Commitment

| | |
|--------------|-------------|
| Within CO | \$ 6,500.00 |
| 0 - 3 Miles | \$ 9,000.00 |
| Over 3 Miles | \$14,000.00 |

5 Year Commitment

| | |
|--------------|-------------|
| Within CO | \$ 5,900.00 |
| 0 - 3 Miles | \$ 8,000.00 |
| Over 3 Miles | \$13,000.00 |

- (9) OptiPoint-48
 - Without Telephone Company
 Provided Terminal Equipment
 - Per Point of Termination

3 Year Commitment

| | |
|--------------|-------------|
| Within CO | \$ 3,800.00 |
| 0 - 3 Miles | \$ 6,500.00 |
| Over 3 Miles | \$10,200.00 |

5 Year Commitment

| | |
|--------------|-------------|
| Within CO | \$ 3,400.00 |
| 0 - 3 Miles | \$ 5,900.00 |
| Over 3 Miles | \$ 9,700.00 |

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.2 Switched Transport (Cont'd)

(A) Entrance Facilities (Cont'd)

(10) STS1 (51.84 Mbps)
 - Per Point of Termination

Installation

\$300.00

Rearrangement

\$150.00

Within CO

\$1,300.00

0 – 3 Miles

\$1,650.00

Over 3 Miles

\$2,100.00

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6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.2 Switched Transport (Cont'd)

(B) Direct-Trunked Transport

| | Monthly Rates | |
|------------------------|----------------------------|----------------------------|
| | <u>Termination (Fixed)</u> | <u>Facility (Per Mile)</u> |
| (1) <u>Voice Grade</u> | | |
| - Per Channel | \$35.00 | \$1.50 |
| (2) <u>DS1</u> | | |
| - Per DS1 | \$75.00 | \$12.00 |
| (3) <u>DS3</u> | | |
| - Per DS3 | \$800.00 | \$200.00 |
| (4) <u>OptiPoint-3</u> | | |
| 1 Year Commitment | \$2,679.00 | \$169.00 |
| 3 Year Commitment | \$2,143.00 | \$135.00 |
| 5 Year Commitment | \$1,935.00 | \$120.00 |

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6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.2 Switched Transport (Cont'd)

(B) Direct-Trunked Transport (Cont'd)

| | | Monthly Rates | |
|-----|--------------------------|----------------------------|----------------------------|
| | | <u>Termination (Fixed)</u> | <u>Facility (Per Mile)</u> |
| (5) | <u>OptiPoint-12</u> | | |
| | 1 Year Commitment | \$8,470.00 | \$419.00 |
| | 3 Year Commitment | \$6,776.00 | \$335.00 |
| | 5 Year Commitment | \$6,097.00 | \$300.00 |
| (6) | <u>OptiPoint-48</u> | | |
| | 3 Year Commitment | \$16,000.00 | \$750.00 |
| | 5 Year Commitment | \$14,000.00 | \$700.00 |
| (7) | <u>STS1 (51.84 Mbps)</u> | | |
| | - Per STS1 | \$985.00 | \$276.00 |

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6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.2 Switched Transport (Cont'd)

(C) Tandem-Switched Transport

(1) Tandem-Switched Transmission

| | <u>Rate Per Access Minute</u> | |
|--|-------------------------------|----------------------------|
| | <u>Termination (Fixed)</u> | <u>Facility (Per Mile)</u> |
| | \$0.000180 | \$0.000065 |

| | <u>Rate Per Access Minute</u> |
|--|-------------------------------|
| (2) <u>Tandem Switching</u> | \$0.001995 |
| (3) <u>Common Transport Multiplexing</u> | \$0.001055 |
| (4) <u>Common Trunk Port</u> | \$0.000408 |

| | <u>Monthly Rates</u> | <u>Nonrecurring Charges</u> |
|--|----------------------|-----------------------------|
| (5) <u>Dedicated Trunk Port</u> - Per DS0 | \$4.80 | |
| (6) <u>Dedicated Trunk Port</u> - Per DS1 | \$115.32 | |

(D) Optional Features

(1) Multiplexing

| | | |
|--------------------|----------|----------|
| DS1 to Voice Grade | \$350.00 | \$150.00 |
| DS3 to DS1 | \$600.00 | \$200.00 |
| STS1 to DS1 | \$540.00 | \$225.60 |

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.2 Switched Transport (Cont'd)

(D) Optional Features (Cont'd)

| | <u>Monthly Rates</u> | <u>Nonrecurring Charges</u> |
|---|--------------------------|---------------------------------|
| (2) Provision of Other than Telephone Company Selected Traffic Routing (available with FGB, FGC* and FGD) | | |
| - Direct Trunking in lieu of Tandem Trunking | ICB | ICB |
| - Tandem Trunking in lieu of Direct Trunking | ICB | ICB |
| Customer Specification of Feature Group Directionality (Available with FGB, FGC* and FGD) | | |
| - One-Way Operation in lieu of Two-Way Operation | ICB | ICB |
| - Two-Way Operation in lieu of One-Way Operation | ICB | ICB |

* For FGC this option is available only in appropriately equipped end offices.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.2 Switched Transport (Cont'd)

(D) Optional Features (Cont'd)

(2) (Cont'd)

| | <u>Monthly Rates</u> | <u>Nonrecurring Charges</u> |
|---|--------------------------|---------------------------------|
| Customer Specification of Switched Transport Termination (Available with FGB with type B Transmission Performance) | | |
| - Four-Wire Termination in lieu of Two-Wire Termination | ICB | ICB |

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.2 Switched Transport (Cont'd)

(D) Optional Features (Cont'd)

(3) OptiPoint Configuration Node

Monthly
Rates

OC3 – Per Arrangement

| | |
|--------|-----------|
| 1 Year | \$ 219.00 |
| 3 Year | \$ 175.00 |
| 5 Year | \$ 150.00 |

OC12 – Per Arrangement

| | |
|--------|------------|
| 1 Year | \$1,000.00 |
| 3 Year | \$ 800.00 |
| 5 Year | \$ 700.00 |

OC48 – Per Arrangement

| | |
|--------|-----------|
| 3 Year | \$ 935.00 |
| 5 Year | \$ 820.00 |

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.2 Switched Transport (Cont'd)

(D) Optional Features (Cont'd)

| | <u>Monthly Rates</u> <u>Per Card</u> |
|--|---|
| (4) <u>OptiPoint-3 Configuration Card</u> | |
| <u>1 Year Commitment</u> | |
| DS1 | \$ 16.00 |
| DS3 | \$ 75.00 |
| OC3 Concatenated | \$431.00 |
| STS1 | \$ 81.00 |
| <u>3 Year Commitment</u> | |
| DS1 | \$ 13.00 |
| DS3 | \$ 60.00 |
| OC3 Concatenated | \$325.00 |
| STS1 | \$ 65.00 |
| <u>5 Year Commitment</u> | |
| DS1 | \$ 12.00 |
| DS3 | \$ 50.00 |
| OC3 Concatenated | \$300.00 |
| STS1 | \$ 60.00 |
| (5) <u>OptiPoint-12 Configuration Card</u> | |
| <u>1 Year Commitment</u> | |
| DS1 | \$ 16.00 |
| DS3 | \$ 75.00 |
| OC3 | \$ 188.00 |
| OC3 Concatenated | \$ 306.00 |
| OC12 Concatenated | \$3,125.00 |
| STS1 | \$ 81.00 |
| <u>3 Year Commitment</u> | |
| DS1 | \$ 13.00 |
| DS3 | \$ 60.00 |
| OC3 | \$ 150.00 |
| OC3 Concatenated | \$ 245.00 |
| OC12 Concatenated | \$1,050.00 |
| STS1 | \$ 65.00 |

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.2 Switched Transport (Cont'd)

(D) Optional Features (Cont'd)

| | <u>Monthly Rates</u> <u>Per Card</u> |
|---|---|
| (5) <u>OptiPoint-12 Configuration Card</u> (Cont'd) | |
| <u>5 Year Commitment</u> | |
| DS1 | \$ 12.00 |
| DS3 | \$ 50.00 |
| OC3 | \$125.00 |
| OC3 Concatenated | \$205.00 |
| OC12 Concatenated | \$840.00 |
| STS1 | \$ 60.00 |
| (6) <u>OptiPoint-48 Configuration Card</u> | |
| <u>3 Year Commitment</u> | |
| DS3 | \$150.00 |
| OC3 | \$400.00 |
| OC12 | \$600.00 |
| OC3 Concatenated | \$460.00 |
| OC12 Concatenated | \$690.00 |
| STS1 | \$160.00 |
| <u>5 Year Commitment</u> | |
| DS3 | \$125.00 |
| OC3 | \$300.00 |
| OC12 | \$475.00 |
| OC3 Concatenated | \$345.00 |
| OC12 Concatenated | \$545.00 |
| STS1 | \$135.00 |
| | <u>Nonrecurring</u> <u>Charge</u> |
| (7) <u>OptiPoint-3, 12 & 48 Service Upgrade</u> | |
| - Per DS1, DS3 or STS1 Upgraded | \$1,000.00 |
| (8) <u>OptiPoint Reconfiguration Charge</u> | |
| - Per DS3 Equivalent | \$625.00 |

Advice No. WA 10-21A
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 Issued By: United Telephone Company of the Northwest

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.2 Switched Transport (Cont'd)

| | |
|------------------------------------|------------------------------|
| (E) <u>Network Blocking Charge</u> | <u>Rate Per Call Blocked</u> |
| - Per Call** | ICB |
| (F) <u>Installation</u> | <u>Nonrecurring Charge</u> |
| - Per Line | \$31.40 |
| - Per Trunk | \$47.09 |

** Applies to FGD

Advice No. WA 10-21A
Issued: May 27, 2010
Issued By: United Telephone Company of the Northwest

Effective: May 28, 2010

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.3 Local Switching

| | | <u>Rate Per Access Minute</u> | |
|----------------------|---|-------------------------------|--------------------|
| <u>Premium Rates</u> | | <u>Originating</u> | <u>Terminating</u> |
| LS1 | - Originating and Terminating Feature Group A and Feature Group B | \$0.0158172 | \$0.004663 |
| LS2 | - Originating and Terminating Feature Group C and Feature Group D | \$0.0158172 | \$0.004663 |

(1) Local Switching Optional Features

InterLATA Call Denial on
 Line or Hunt Group
 (available with FGA)
 - Per Line Screened*

* The charges for this optional feature are set forth in 6.3 preceding.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.3 Local Switching (Cont'd)

(A) Trunk Conversion Charge

A nonrecurring charge(s) will apply when a customer requests a conversion of FGD trunks from SS7 signaling to multifrequency signaling as specified below.

- Per 24 Channels Converted or Fraction Thereof

Nonrecurring Charge

\$56.00

(B) End Office to Tandem Rearrangement Charge

A nonrecurring charge(s) as specified below will apply when a customer requests end office or tandem rearrangement of FGD trunks as set forth in 6.7.1(C)(3) preceding.

- Per 24 Channels Converted or Fraction Thereof

Nonrecurring Charge

\$70.00

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.3 Local Switching (Cont'd)

(C) Calling Party Number Parameter Charge*

A nonrecurring charge(s) as specified below will apply when a customer requests the calling party number parameter optional feature described in 6.3(DD) preceding. This charge does not apply if the feature is installed coincident with the initial installation of a service.

- Per End Office Equipped

Nonrecurring Charge

\$23.00

(D) Carrier Selection Parameter Charge**

A nonrecurring charge(s) as specified below will apply when a customer requests the Carrier Selection parameter optional feature described in 6.3(EE) preceding. This charge does not apply if the feature is installed coincident with the initial installation of a service.

- Per End Office Equipped

Nonrecurring Charge

\$23.00

* If both the Calling Party Number Parameter and the Carrier Selection Parameter optional feature described in (D) following are requested on the same access order, only one nonrecurring parameter charge will apply.

** If both the Carrier Selection Parameter and Calling Party Number Parameter optional feature described in (C) preceding are requested on the same access order, only one nonrecurring charge will apply.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.4 Toll Free Code (TFC) Access Service

(A) TFC Access Service Data Base Query

| | <u>Rate</u> |
|-------------|-------------|
| - Per Query | \$0.014217 |

(B) TFC Data Base Optional Service Features*

| | <u>Rate</u> |
|-------------|-------------|
| - Per Query | \$0.001344 |

* When a combination of one or more TFC Data Base Optional Service Features is used, only one charge will apply.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.5 900 Access Service

Nonrecurring
Charge

(A) Assembly of Route Pattern

- Per end office switch
(including end office
collocated with access tandem) \$8.43

(B) 900 NXX Code Activation or Deactivation

- Per NXX Code added or deleted
Per end office \$2.81

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.6 Interim 500 Access Service

| | <u>Nonrecurring Charge</u> |
|--|--------------------------------|
| (A) <u>Assembly of Route Pattern – 1 + Dialing</u> | |
| - Per end office switch (including end office collocated with access tandem) | \$30.00 |
| (B) <u>500 NXX Code Activation or Deactivation – 1 + Dialing</u> | |
| - Per NXX Code added or deleted Per end office | \$10.00 |
| (C) <u>Assembly of Route Pattern – 0 + Dialing</u> | |
| - Per end office switch (including end office collocated with access tandem) | \$30.00 |
| (D) <u>500 NXX Code Activation or Deactivation – 0 + Dialing</u> | |
| - Per NXX Code added or deleted Per end office | \$10.00 |

ACCESS SERVICE

7. Special Access Service

7.1 General

Special Access Service provides a transmission path to connect customer designated premises*, either directly or through a Telephone Company Hub where bridging, multiplexing or connection to other services (e.g., WATS Switched Access Service) functions are performed. Special Access Service includes all exchange access not utilizing Telephone Company end office switches.

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

7.1.1 Channel Types

There are three 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.

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

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.1 Channel Types (Cont'd)

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.

Following is a brief description of each type of channel:

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

Digital Data - a channel for the digital transmission of synchronous serial data at rates of 2.4, 4.8, 9.6 or 56.0 kbps.

High Capacity - a channel for the transmission of isochronous serial digital data at rates of 1.544, 3.152, 6.312, 44.736 or 274.176 Mbps.

Detailed descriptions of each of the channel types are provided in 7.2 following.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.1 Channel Types (Cont'd)

The customer also has the option of ordering Voice Grade and analog and digital high capacity facilities (i.e., Group, Supergroup, Mastergroup, 1.544 Mbps, 3.152 Mbps, 6.312 Mbps, 44.736 Mbps and 274.176 Mbps) to a Telephone Company Hub for multiplexing to individual channels of a lower capacity or bandwidth. Descriptions of the types of multiplexing available at the Hubs, as well as the number of individual channels which may be derived from each type of facility are set forth in 7.2 following. Additionally, the customer may specify optional features for the individual channels derived from the facility to further tailor the channel to meet specific communications requirements. Descriptions of the optional features and functions available are also set forth in 7.2 following.

For example, a customer may order a 1.544 Mbps facility from a customer designated premises to a Telephone Company Hub. The 1.544 Mbps facility may be multiplexed at the same or a different Hub to Voice Grade channels or may be extended to other customer designated premises. Optional features may be added to either the 1.544 Mbps or the Voice Grade Channels.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.2 Rate Categories

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

- Channel Terminations (described in 7.1.2(A) following)
- Channel Mileage (described in 7.1.2(B) following)
- Optional Features and Functions (described in 7.1.2(C) following)

(A) Channel Termination

The Channel Termination rate category provides for the communications path between a customer designated premises and the serving wire center of that premises. Included as part of the Channel Termination is a standard channel interface arrangement which defines the technical characteristics associated with the type of facilities to which the access service is to be connected at the Point of Termination (POT). A Channel Termination can be ordered with or without signaling as set forth in 7.5.1 (A) following. One Channel Termination charge applies per customer designated premises at which the channel is terminated. This charge will apply even if the customer designated premises and the serving wire center are collocated in a Telephone Company building.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.1 General (Cont'd)7.1.2 Rate Categories (Cont'd)(B) Channel Mileage

The Channel Mileage rate category provides for the end office equipment and the transmission channel between the serving wire centers associated with two customer designated premises, between a serving wire center associated with a customer designated premises and a Telephone Company Hub, between two Telephone Company Hubs, or between a WATS serving office and a customer serving wire center when the two are not collocated. Channel Mileage rates are made up of the Channel Mileage Facility rate and the Channel Mileage Termination rate.

(1) Channel Mileage Facility (Per Mile)

The Channel Mileage Facility rate recovers the cost for the transmission path which extends between the Telephone Company serving wire centers and/or hub(s) and includes primarily outside plant used to provide the facility.

(2) Channel Mileage Termination (Fixed)

The Channel Mileage Termination rate recovers the cost for end office equipment associated with terminating the facility (i.e., basic circuit equipment and terminations at serving wire centers na d hubs). The Telephone Company applies a 50% billing percentage to the channel mileage fixed rate on jointly owned circuits, and applies 100% on wholly owned circuits. When the Channel Mileage Facility is zero (i.e., collocated serving wire centers), neither the Channel Mileage Facility rate nor the Channel Mileage Termination rate will apply.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.2 Rate Categories (Cont'd)

(C) Optional Features and Functions

The Optional Features and Functions rate category provides for optional features and functions which may be added to a Special Access Service to improve its quality or utility to meet specific communications requirements. These are not necessarily identifiable with specific equipment, but rather represent the end result in terms of performance characteristics which may be obtained. These characteristics may be obtained by using various combinations of equipment.

Examples of Optional Features and Functions that are available include, but are not limited to, the following:

- Hubbing Functions
- Conditioning
- Bridging

A Hub is a Telephone Company designated serving wire center at which bridging or multiplexing functions are performed. The bridging functions performed are to connect three or more customer designated premises in a multipoint arrangement. The multiplexing functions are to channelize analog or digital facilities to individual services requiring a lower capacity or bandwidth.

Descriptions for each of the available Optional Features and Functions are set forth in 7.2 following.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.3 Service Configurations

There are three types of service configurations over which Special Access Services are provided: two-point service, multipoint service, and extension service.

(A) Two-Point Service

A two-point service connects two customer designated premises, either on a directly connected basis or through a Hub where multiplexing functions are performed.

Applicable rate elements are:

- Channel Terminations
- Channel Mileage (as applicable)
- Optional Features and Functions (when applicable)

ACCESS SERVICE

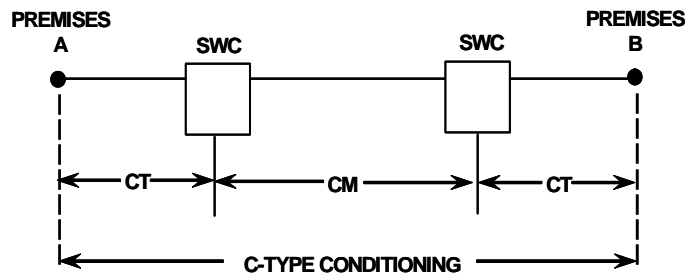
7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.3 Service Configurations (Cont'd)

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

The following diagram depicts a two-point Voice Grade service connecting two customer designated premises located 15 miles apart. The service is provided with C-Type Conditioning.



CT - Channel Termination
CM - Channel Mileage
SWC - Serving Wire Center

Applicable rate elements are:

- Channel Terminations (2 applicable)
- Channel Mileage (1 Termination and 15 facility)
- C-Type Conditioning Optional Feature

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.3 Service Configurations (Cont'd)

(B) Multipoint Service

Multipoint service connects three or more customer designated premises through a Telephone Company Hub. There is no limitation on the number of mid-links available with multipoint service. However, when more than three mid-links are provided in tandem, the quality of the service may be degraded. A mid-link is a channel between Hubs (i.e., bridging locations). Only certain types of Special Access Service are provided as multi-point service. These are so designated in the Service Descriptions set forth in 7.2 following.

Multipoint service utilizing a customized technical specifications package as set forth in 7.2 following will be provided when technically possible. If the Telephone Company determines that the requested characteristics for a multipoint service are not compatible, the customer will be advised and given the opportunity to change the order.

When ordering, the customer will specify the desired bridging Hub(s) selected from the National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4. This tariff identifies the type(s) of bridging functions which are available and the serving wire centers at which they are available.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

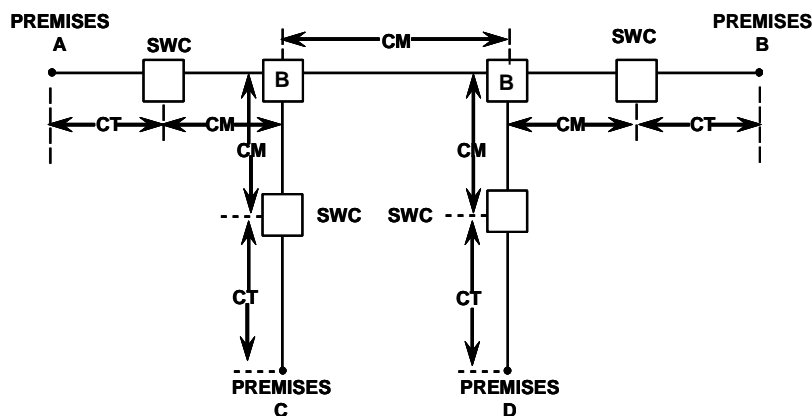
7.1.3 Service Configurations (Cont'd)

(B) Multipoint Service (Cont'd)

Applicable Rate Elements are:

- Channel Terminations (one per customer designated premise)
- Channel Mileage (as applicable between each designated customer premises and the Hub and between Hubs)
- Bridging
- Additional Optional Features (when applicable)

Example: Voice Grade multipoint service connecting four customer premises via two customer specified bridging hubs.



- CT** - Channel Termination
- CM** - Channel Mileage
- B** - Bridging
- SWC** - Serving Wire Center

Applicable rate elements are:

- Channel Terminations (4 applicable)
- Channel Mileage (5 sections, Termination and Facility as appropriate)
- Bridging (6 applicable, i.e., each bridge port)

ACCESS SERVICE

7. Special Access Service (Cont'd)7.1 General (Cont'd)7.1.3 Service Configurations (Cont'd)(C) Extension Service

Feature Group A Switched Access Service and Voice Grade Service (WATS Access Lines) are available with extensions, i.e., additional terminations of the service at different building(s) in the same or a different exchange. Feature Group A extensions within the same exchange are charged for under the Telephone Company's local and/or general exchange service tariffs. Feature Group A extensions in different exchanges and Voice Grade extensions in the same or different exchanges are charged for as Special Access Service. The rate elements which apply are: Voice Grade Channel Termination, Channel Mileage, if applicable, and Voice Bridging, if applicable. All appropriate monthly rates and nonrecurring charges set forth in 7.5.1 following will apply. Such extensions are ordered as set forth in Section 5.2 preceding.

7.1.4 Alternate Use

Alternate Use occurs when a service is arranged by the Telephone Company so that the customer can select different types of transmission at different times. A customer may use a service in any privately beneficial manner. However, where technical or engineering changes are required to effectuate an alternate use, the Telephone Company will make such special arrangements available on an individual case basis.

The arrangement required to transfer the service from one operation to the other (i.e., the transfer relay and control leads) will be rated and provided on an individual case basis and filed in Section 12, Specialized Service or Arrangements. The customer will pay the stated tariff rates for the Access Service rate elements for the service ordered (i.e., Channel Terminations, Channel Mileage [as applicable] and Optional Features [if any]).

ACCESS SERVICE

7. Special Access Service (Cont'd)7.1 General (Cont'd)7.1.5 Special Facilities Routing

A customer may request that the facilities used to provide Special Access Service be specially routed. The regulations, rates and charges for Special Facilities Routing (i.e., Avoidance, Diversity and Cable-Only) are set forth in Section 11 following.

7.1.6 Design Layout Report

At the request of the customer, the Telephone Company will provide to the customer the make-up of the facilities and services provided under this tariff as Special Access Service to aid the customer in designing its overall service. This information will be provided in the form of a Design Layout Report. The Design Layout Report will be provided to the customer at no charge, and will be reissued or updated whenever these facilities are materially changed.

7.1.7 Acceptance Testing

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

- (A) For Voice Grade analog services, acceptance tests will include tests for loss, 3-tone slope, DC continuity, operational signaling, C-notched noise and C-message noise when these parameters are applicable and specified in the order for service. Additionally, for Voice Grade services, a balance (improved loss) test will be made if the customer has ordered the improved loss optional feature.
- (B) For other analog services (i.e., WATS Access Line) and for digital services (i.e., Digital Data and High Capacity) Acceptance tests will include tests for the parameters applicable to the service as specified in the order for service.

Additional tests may be ordered as set forth in Section 13.3.4 following. Charges for these additional tests are set forth in Section 13.3.4(C).

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.8 Ordering Options and Conditions

Special Access Service is ordered under the Access Order provisions set forth in Section 5 preceding. Also included in that section are other charges which may be associated with ordering Special Access Service (e.g., Access Order Charges, Service Date Change Charges, Design Change Charges, etc.).

7.2 Service Descriptions

For the purposes of ordering, there are three categories of Special Access Service. These are:

| | |
|---------------|------|
| Voice Grade | (VG) |
| Digital Data | (DA) |
| High Capacity | (HC) |

Each service consists of a basic channel to which a technical specifications package (customized or predefined), channel interface(s) and, when desired, optional features and functions are added to construct the service desired by the customer. Each of the components of the service is described in this section.

Customized technical specifications packages will be provided where technically feasible. If the Telephone Company determines that the requested parameter specifications are not compatible, the customer will be advised and given the opportunity to change the order.

When a customized channel is ordered the customer will be notified whether Additional Engineering Charges apply. In such cases, the customer will be given an estimate of the hours to be billed before any further action is taken on the order.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)

The channel description specifies the characteristics of the basic channel and indicates whether the channel is provided between customer designated premises or is provided between a customer designated premises and a Telephone Company Hub where bridging or multiplexing functions are performed.

Information pertaining to the technical specifications packages indicates the transmission parameters that are available with each package. This information is displayed in a matrix with the transmission parameters listed down the left side and the packages listed across the top. Each package is identified by a code, e.g., VGC. The first two letters of the code indicate the category of Special Access Service to which the parameters are applicable. These two letter codes are shown above in parentheses following the category of Special Access Service. The letter "C" following the two letter code indicates the technical specifications package for a customized service. A numeric or 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.

Channel interfaces at each point of termination on a two-point service may be symmetrical or asymmetrical. On a multipoint service they may also be symmetrical or asymmetrical. However, communications can only be provided between points of termination with compatible channel interfaces. Only certain channel interfaces are compatible. These are set forth in 7.3.5 following in a combination format.

Only certain channel interface combinations are available with the predefined technical specifications packages. These are delineated in the Technical References set forth at the end of the 7.2. When a customized channel is requested, all channel interface combinations available with the specified type of service are available with the customized channel.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

The optional features and functions available with each type of Special Access Service are described in this section. The optional features and functions information also indicates with which technical specifications packages they are available. Such information is displayed in a matrix with the optional feature or function listed down the left side and the technical specifications package listed across the top.

The Telephone Company will maintain existing transmission specifications on services installed prior to the effective date of this tariff, except that the existing services with performance specifications exceeding the standard listed in this provision will be maintained at the performance levels specified in this tariff. All services installed after the effective date of this tariff will conform to the transmission specification standards contained in this tariff or in the following Technical Reference Publications for each category of service:

| | |
|---------------|---------------------------------------|
| Voice Grade | TR-NWT-0335 MDP-326-584 GR-3334 |
| Digital Data | TR-NWT-000341 |
| High Capacity | GR-342 GR-54 |

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.1 Voice Grade Service

(A) Basic Channel Description

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 or between a customer designated premises and a Telephone Company Hub.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.1 Voice Grade Service (Cont'd)

(B) Technical Specifications Packages

| <u>Parameter</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 | X | | | | | X | X | X | X | X | X | X | X |
| Intermodulation | | | | | | | | | | | | | |
| Distortion | 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.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.1 Voice Grade Service (Cont'd)

(B) Technical Specifications Packages (Cont'd)

The technical specifications for these parameters (except for dropouts, gain hits, and phase hits) are delineated in Technical Reference Publication TR-NWT-000335 and associated Addendum. The technical specifications for dropouts, phase hits, and gain hits are delineated in Technical Reference Publication MDP-326-584.

(C) 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 7.3.5(A) following.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.1 Voice Grade Service (Cont'd)

(D) Optional Features and Functions

(1) Central Office Bridging Capability

- (a) Voice Bridging (two-wire or four-wire)
- (b) Data Bridging (two-wire or four-wire)
- (c) Telephoto Bridging (two-wire or four-wire)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.1 Voice Grade Service (Cont'd)

(D) Optional Features and Functions (Cont'd)

(2) Conditioning

Conditioning provides more specific transmission characteristics for Voice Grade services. C-Type conditioning controls attenuation distortion and envelope delay distortion. Sealing Current helps maintain continuity on dry metallic loops.

For two-point services, the parameters apply to each service. For multipoint services, the parameters apply to each mid link or end link. C-Type conditioning and Data Capability may be combined on the same service.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.1 Voice Grade Service (Cont'd)

(D) Optional Features and Functions (Cont'd)

(2) Conditioning (Cont'd)

(a) C-Type Conditioning

C-Type Conditioning is provided for the additional control of attenuation distortion and envelope delay distortion on data services. The attenuation distortion and envelope delay distortion specifications for C-Type Conditioning are:

| <u>Attenuation Distortion</u> (Frequency Response) Relative to 1004 Hz | |
|--|---------------------------------|
| <u>Frequency</u> <u>Range (Hz)</u> | <u>Variation</u> <u>(db)</u> |
| 400-2800 | -1.0 to +2.0 |
| 300-3000 | -1.0 to +3.0 |
| 3000-3200 | -2.0 to +6.0 |

| <u>Envelope Delay</u> <u>Distortion</u> | |
|--|--|
| <u>Frequency</u> <u>Range (Hz)</u> | <u>Variation</u> (micro- <u>seconds)</u> |
| 1000-2600 | 100 |
| 800-2600 | 200 |
| 600-2600 | 300 |
| 500-2800 | 600 |
| 500-3000 | 3000 |

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.1 Voice Grade Service (Cont'd)

(D) Optional Features and Functions (Cont'd)

(2) Conditioning (Cont'd)

(b) Sealing Current Conditioning

Sealing Current Conditioning is provided to help maintain continuity on dry metallic loops. It is usually associated with four-wire DA or NO type channel interfaces.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.1 Voice Grade Service (Cont'd)(D) Optional Features and Functions (Cont'd)(3) Customer Specified Premises Receive Level

This option allows the customer to specify the Receive level at the Point of Termination. This level must be within a specific range on effective four-wire transmission. The ranges are delineated in Technical Reference Publication TR-NWT-000335.

(4) Improved Return Loss

(a) On Effective Four-Wire Transmission at Four-Wire Point of Termination (applicable to each two-wire port): Provides for a fixed 600 ohm impedance, variable level range and simplex reversal. Telephone Company equipment is required at the customer's premises where this option is ordered. The Improved Return Loss parameters are delineated in Technical Reference Publication TR-NWT-000335.

(b) On Effective Two-Wire Transmission at Two-Wire Point of Termination: Provides for more stringent Echo Control Specifications. In order for this option to be applicable, the transmission path must be four-wire at one POT and two-wire at the other POT. Placement of Telephone Company equipment may be required at the customer's premises with the two-wire POT. The Improved Return Loss parameters are delineated in Technical Reference Publication TR-NWT-000335.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.1 Voice Grade Service (Cont'd)

(D) Optional Features and Functions (Cont'd)

(5) Data Capability

Data Capability provides transmission characteristics suitable for data communications. Specifically, Data Capability provides for the control of Signal to C-Notched Noise Ratio and intermodulation distortion. It is available for two-point services or multipoint multipoint services.

The Signal to C-Notched Noise Ratio and Intermodulation distortion parameters for Data Capability are:

- Signal to C-Notched Noise Ratio is equal to or greater than 32dB
- Intermodulation distortion:
 - Signal to second order modulation products (R2) is equal to or greater than 38dB
 - Signal to third order modulation products (R3) is equal to or greater than 42dB

When a service equipped with Data Capability is used for voice communications, the quality of the voice transmission may not be satisfactory.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.1 Voice Grade Service (Cont'd)

(D) Optional Features and Functions (Cont'd)

(6) Telephoto Capability

Telephoto Capability provides transmission characteristics suitable for telephotographic communications. Specifically, Telephoto Capability is provided for the control of attenuation distortion and envelope delay distortion on telephotographic services. The attenuation distortion and envelope delay distortion parameters for Telephoto Capability are:

Attenuation Distortion
(1004 Hz Reference)

| <u>Frequency</u> <u>Range (Hz)</u> | <u>Variation</u> <u>(dB)</u> |
|---------------------------------------|---------------------------------|
| 500-3000 | -0.5 to +1.5 |
| 300-3200 | -1.0 to +2.5 |

Envelope Delay Distortion

| <u>Frequency</u> <u>Range (Hz)</u> | <u>(micro-</u> <u>seconds)</u> |
|---------------------------------------|-----------------------------------|
| 1000-2600 | 110 |
| 800-2800 | 180 |

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.1 Voice Grade Service (Cont'd)

(D) Optional Features and Functions (Cont'd)

The following table shows the technical specifications packages with which the optional features and functions are available.

| | Available with Technical Specifications Package VG | | | | | | | | | | | | |
|--|--|---|---|---|---|---|---|---|---|---|----|----|----|
| | C | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| C-Type Conditioning Central Office Bridging Capability | X | | | | | X | X | X | X | X | X | | |
| Central Office Multiplexing | X | | X | | | X | X | | | | X | X | X |
| Customer Specified Premises Receive Level | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Data Capability Improved Return Loss: For Effective Four-Wire Transmission For Effective Two-Wire Transmission | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Sealing Current Conditioning | X | | X | X | X | | | | X | | | | |
| Telephoto Capability | X | | | | | | | | | | | X | |

(E) Four-Wire/Two-Wire Conversions

When a customer requests that an effective four-wire channel be terminated with a two-wire channel interface at the customer designated premises, a four-wire to two-wire conversion is required. The rate for the conversion is included as part of the basic Channel Termination rate.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.2 Digital Data Service

(A) Basic Channel Description

A Digital Data channel is a channel for duplex four-wire transmission of synchronous serial data at the rate of 2.4, 4.8, 9.6, 56 or 64 Kbps. The actual bit rate is a function of the channel interface selected by the customer. The channel provides a synchronous service with timing provided by the Telephone Company through the Telephone Company's facilities to the customer in the received bit stream.

The customer may provide the Channel Service Unit-type equipment or other Network Channel Terminating Equipment associated with the Digital Data channel at the customer premises.

(B) Technical Specifications Packages

| <u>Parameter</u> | <u>Package DA-</u> | | | |
|--------------------|--------------------|----------|----------|----------|
| | <u>1</u> | <u>2</u> | <u>3</u> | <u>4</u> |
| Error-Free Seconds | X | X | X | X |

The Telephone Company will provide a channel capable of meeting a monthly average performance equal to or greater than 99.875% error-free seconds while the channel is in service, if it is measured through a CSU equivalent which is designed, manufactured, and maintained to conform with the specifications contained in Technical Reference Publication MDP-326-726.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.2 Digital Data Service (Cont'd)

(C) Channel Interfaces

The following channel interfaces (CIs) define the bit rates that are available for a Digital Data channel:

| <u>CI</u> | <u>Bit Rate</u> |
|-----------|-----------------|
| DU-24 | 2.4 Kbps |
| DU-48 | 4.8 Kbps |
| DU-96 | 9.6 Kbps |
| DU-56 | 56.0 Kbps |
| DU-64 | 64.0 Kbps |

Compatible channel interfaces are set forth in 7.3.5(B) following.

(D) Optional Features and Functions

(1) Central Office Bridging Capability

Provides for the parallel connection of one virtual circuit to another virtual circuit without interrupting the integrity or continuity of the first. This service is only available from a Company designated digital hub.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.2 Digital Data Service (Cont'd)

(D) Optional Features and Functions (Cont'd)

(2) Data Amplification

Provides for data transmission when the customer is located beyond the normal range of 42 decibel (dB) loss for digital data service (56.0 and 64.0 Kbps). The dB loss is determined by the route and length of the cable in addition to the gauge of the cable from the last signaling point (usually, but not always the switching office) to the customer's premises. When the dB loss is greater than 42, a repeater and associated equipment must be installed to regenerate the digital signal for accurate and acceptable data transmission to occur.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.2 Digital Data Service (Cont'd)

(D) Optional Features and Functions (Cont'd)

The following table shows the technical specifications packages with which the optional features and functions are available.

| | Available with Technical Specifications Package DA- | | | |
|------------------------------------|---|----------|----------|----------|
| | <u>1</u> | <u>2</u> | <u>3</u> | <u>4</u> |
| Central Office Bridging Capability | X | X | X | X |
| Data Amplification | | | | X |

7.2.3 High Capacity Service

(A) Basic Channel Description

A High Capacity channel is a channel for the transmission of 1.544, 3.152, 6.312, 44.736, or 274.176 Mbps isochronous serial data. The actual bit rate and framing format is a function of the channel interface selected by the customer. High Capacity channels are provided between customer designated premises or between a customer designated premises and a Telephone Company Hub.

The customer may provide the Network Channel Terminating Equipment associated with the High Capacity channel at the customer's premises. The interim program for interconnection of such equipment is set forth in Technical Reference Publication AS No. 1.

The channel termination rate element for DS3 services may vary based on distance. The mileage used to determine the monthly rate for channel terminations located outside a Telephone Company Central Office is the airline distance between the customers designated premises and the Telephone Company serving wire center. The mileage measurement is determined by utilizing exchange maps and mileage tables located in designated Telephone Company offices for such purposes.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 High Capacity Service (Cont'd)

(B) Technical Specifications Packages

| <u>Parameters</u> | <u>Package HC-</u> | | | | | |
|--------------------|--------------------|----------|-----------|----------|----------|----------|
| | <u>0</u> | <u>1</u> | <u>1C</u> | <u>2</u> | <u>3</u> | <u>4</u> |
| Error-Free Seconds | X | X | | | | |

A channel with technical specifications package HC1 will be capable of an error-free second performance of 98.75% over a continuous 24 hour period as measured at the 1.544 Mbps rate through a CSU equivalent which is designed, manufactured, and maintained to conform with the specifications contained in Technical Reference Publication GR-54.

(C) Channel Interfaces

The following channel interfaces (CIs) define the bit rates that are available for a High Capacity channel:

| <u>CI</u> | <u>Bit Rate</u> |
|-----------|-------------------|
| DS-15 | 1.544 Mbps (DS1) |
| DS-31 | 3.152 Mbps (DS1C) |
| DS-44 | 44.736 Mbps (DS3) |

Compatible channel interfaces are set forth in 7.3.5(C) following.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 High Capacity Service (Cont'd)

(D) Optional Features and Functions

(1) Automatic Loop Transfer

The Automatic Loop Transfer provides protection on a 1xN basis against failure of the facilities between a customer designated premises and the wire center serving that premises. Protection is furnished through the use of a switching arrangement that automatically switches to a spare channel when a working channel fails. Spare channel priority is given to the lowest numbered slot based upon slot position. Slot position number one is given highest priority. The spare channel is not included as a part of the option. This option requires compatible equipment at both the serving wire center and the customer premises. The customer is responsible for providing the equipment at its premises. This feature is not available with 1.544 Mbps channels having the B8ZS line code.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 High Capacity Service (Cont'd)

(D) Optional Features and Functions (Cont'd)

(2) Central Office Multiplexing

(a) DS3 to DS1

An arrangement that converts a 44.736 Mbps channel to 28 DS1 channels using digital time division multiplexing.

(b) DS1C to DS1

An arrangement that converts a 3.152 Mbps channel to two DS1 channels using digital time division multiplexing.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 High Capacity Service (Cont'd)

(D) Optional Features and Functions (Cont'd)

(2) Central Office Multiplexing (Cont'd)

(c) DS1 to Voice

An arrangement that converts a 1.544 Mbps channel to 24 channels for use with Voice Grade Services. A channel(s) of this DS1 to the Hub can also be used for Digital Data or WATS Access Line Service.

(d) DS1 to DS0

An arrangement that converts a 1.544 Mbps channel to 24 64.0 kbps channels utilizing digital time division multiplexing.

(3) Clear Channel Capability

Clear Channel Capability provides an increase in usable bandwidth from 1.344 Mbps to 1.536 Mbps of an unconstrained data stream across the network. Clear Channel Capability is provided only in offices with existing technical capability on 1.544 Mbps High Capacity Service and on multiplexed 44.736 Mbps High Capacity Service, and requires the customer signal at the channel interface to conform to Bipolar with Eight Zero Substitutions (B8ZS) line code format. Customer equipment must be compatible with this method of providing the unconstrained signal.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 High Capacity Service (Cont'd)

(D) Optional Features and Functions (Cont'd)

The following table shows the technical specifications packages with which the optional features and functions are available.

| | Available with Technical Specifications Package HC- | | | | | |
|------------------------------|---|----------|-----------|----------|----------|----------|
| | <u>0</u> | <u>1</u> | <u>1C</u> | <u>2</u> | <u>3</u> | <u>4</u> |
| Automatic Loop Transfer | | X | | | | |
| Central Office Multiplexing: | | | | | | |
| DS3 to DS1 | | | | | X | |
| DS1C to DS1 | | | X | | | |
| DS1 to Voice | | X | | | | |
| DS1 to DS0 | | X | | | | |
| Clear Channel Capability | | X | | | X | |

7.2.4 WATS Access Line (WAL) Service

(A) Basic Channel Description

A WATS Access Line Service provides a channel for voice frequency transmission capability. The service provides a connection between a customer designated premises and a WATS serving office associated with the closed end of Toll Free Code (TFC) service, WATS or similar services. WATS and similar services are an integral portion of Voice Grade Special Access Service.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.3 Channel Interface and Network Channel Codes

Network Channel Codes are comprised of four characters. The first and second characters describe the technical specifications package within the service type. The third and fourth characters describe the specify options associated with the service. The Telephone Company abides by nationally accepted standards in it use of Network Channel Codes and are available from the Telephone company upon request.

Channel Interface Codes describe the electrical characteristics of the interface at the customer's premises. Compatible Channel Interface codes for the requested service must be specified by the customer when ordering the services. Channel Interface codes for each category of Special Access Service can be found in the Technical Reference publications set forth in 7.2 preceding.

7.3.1 Glossary of Channel Interface Codes and Options

| <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 |
| AH | - | Analog high capacity interface |
| | - B | 60 kHz to 108 kHz (12 channels) |
| | - C | 312 kHz to 552 kHz (60 channels) |
| | - D | 564 kHz to 3084 kHz (600 channels) |
| CT | - | Centrex Tie Trunk Termination |
| DA | - | Data stream in VF frequency band at customer's end user's point of termination |
| DB | - | Data stream in VF frequency band at customer's end user's point of termination |

ACCESS SERVICE

7. Special Access Service (Cont'd)7.3 Channel Interface and Network Channel Codes (Cont'd)7.3.1 Glossary of Channel Interface Codes and Options (Cont'd)

| <u>Code</u> | <u>Option</u> | <u>Definition</u> |
|-------------|---------------|---|
| DC | - | Direct current or voltage |
| | - 1 | Monitoring interface with series RC combination (McCulloh format) |
| | - 2 | Telephone Company energized alarm channel |
| DD | - | DATAPHONE Select-A-Station (and TABS) interface at customer's point of termination |
| DE | - | DATAPHONE Select-A-Station (and TABS) interface at the customer's end user's point of termination |
| DS | - | Digital hierarchy interface |
| | - 15 | 1.544 Mbps (DS1) format plus D4 |
| | - 15B | 1.544 Mbps (DS1) format plus D4 with B8ZS clear channel capability |
| | - 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 signal |
| | - 15J | 1.544 Mbps format |
| | - 15K | 1.544 Mbps format plus extended framing format |
| | - 15L | 1.544 Mbps (DS1) with SF signaling |
| | - 15S | 1.544 Mbps using B8ZS line code and extended framing format |
| | - 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 |

ACCESS SERVICE

7. Special Access Service (Cont'd)7.3 Channel Interface and Network Channel Codes (Cont'd)7.3.1 Glossary of Channel Interface Codes and Options (Cont'd)

| <u>Code</u> | <u>Option</u> | <u>Definition</u> |
|-------------|---------------|--|
| DU | - | Digital access interface |
| | - 24 | 2.4 Kbps |
| | - 48 | 4.8 Kbps |
| | - 56 | 56.0 Kbps |
| | - 64 | 64.0 Kbps |
| | - 96 | 9.6 Kbps |
| | - A | 1.544 Mbps format |
| | - B | 1.544 Mbps format plus D4 |
| | - C | 1.544 Mbps format plus extended framing format |
| | - D | 1.544 Mbps format plus D4 with B8ZS clear channel capability |
| | - S | 1.544 Mbps using B8ZS line code and 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 signaling at customer 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 |

ACCESS SERVICE

7. Special Access Service (Cont'd)7.3 Channel Interface and Network Channel Codes (Cont'd)7.3.1 Glossary of Channel Interface Codes and Options (Cont'd)

| <u>Code</u> | <u>Option</u> | <u>Definition</u> |
|-------------|---------------|---|
| GO | - | Ground start loop signaling - open end function by customer or customer's end user |
| GS | - | Ground start loop signaling - closed end by customer or customer's end user |
| IA | - | E.I.A. (25 pin RS-232) |
| LA | - | End user loop start loop signaling - Type A registered port open end |
| LB | - | End user loop start loop signaling - Type B OPS registered port open end |
| LC | - | End user loop start loop signaling - Type C 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 POT 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* |
| RV | - 0 | Reverse battery signaling, one way operation, originate by customer |
| | - T | Reverse battery 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 | - | teletypewriter interface at either customer POT or customer's end user POT |

* Available only for the transmission of audio tone protective relaying signals used in the protection of electric power systems during fault conditions.

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7. Special Access Service (Cont'd)

7.3 Channel Interface and Network Channel Codes (Cont'd)

7.3.1 Glossary of Channel Interface Codes and Options (Cont'd)

| <u>Code</u> | <u>Option</u> | <u>Definition</u> |
|-------------|---------------|-------------------|
| TT | - 2 | 20.0 milliamperes |
| | - 3 | 3.0 milliamperes |
| | - 6 | 62.5 milliamperes |

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7. Special Access Service (Cont'd)

7.3 Channel Interface and Network Channel Codes (Cont'd)

7.3.2 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 |

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7. Special Access Service (Cont'd)

7.3 Channel Interface and Network Channel Codes (Cont'd)

7.3.3 Digital Hierarchy Channel Interface Codes (4DS)

Customers selecting the multiplexed four-wire DS1 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 4DS9, 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> |
|--|------------------------------------|------------------------------------|
| 4DS9-15 | 1.544 | DS1 |
| 4DS9-31 | 3.152 | DS1C |
| 4DS6-44 | 44.736 | DS3 |

7.3.4 Service Designator/Network Channel Code Conversion Table

The purpose of this table is to show the relationship between the service designator codes (e.g., VGC, DA1, etc.) and the network channel codes that are used for various administrative purposes:

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7. Special Access Service (Cont'd)

7.3 Channel Interface and Network Channel Codes (Cont'd)

7.3.4 Service Designator/Network Channel Code Conversion Table (Cont'd)

| <u>Service Designator Code</u> | <u>Network Channel Code</u> |
|------------------------------------|---------------------------------|
| VG3 | LQ |
| VG1 | LB |
| VG2 | LC |
| VG3 | LD |
| VG4 | LE |
| VG5 | LF |
| VG6 | LG |
| VG7 | LH |
| VG8 | LJ |
| VG9 | LK |
| VG10 | LN |
| VG11 | LP |
| VG12 | LR |
| APC | PQ |
| APO | PD |
| AP1 | PE |
| AP2 | PF |
| AP3 | PJ |
| AP4 | PK |
| TVC | TQ |
| TV1 | TV |
| TV2 | TW |

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7. Special Access Service (Cont'd)

7.3 Channel Interface and Network Channel Codes (Cont'd)

7.3.4 Service Designator/Network Channel Code Conversion Table (Cont'd)

| <u>Service Designator Code</u> | <u>Network Channel Code</u> |
|------------------------------------|---------------------------------|
| DA1 | XA |
| DA2 | XB |
| DA3 | XG |
| DA4 | XH |
| HC0 | HS |
| HC1 | HC |
| HC1C | HD |
| HC2 | HE |
| HC3 | HF |
| HC4 | HG |

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7. Special Access Service (Cont'd)

7.3 Channel Interface and Network Channel Codes (Cont'd)

7.3.5 Compatible Channel Interfaces

The following tables show the channel interface codes (CIs) which are compatible:

(A) Voice Grade

| <u>Compatible CIs</u> | | <u>Compatible CIs</u> | | <u>Compatible CIs</u> | |
|-----------------------|------|-----------------------|--------|-----------------------|--------|
| 4AB2 | 4AB2 | 4AB2 | 4AC2 | 4AH5-B | 6DA2 |
| 4AH6-D | 2DY2 | 4AB3 | 4AC2 | 4AH5-B | 4DA2 |
| 4AH6-C | 9DY2 | 4AB2 | 2AC2 | 4AH5-B | 2DA2 |
| 4AH6-C | 9DY3 | 4AB3 | 2AC2 | 4AH6-C | 6DY2 |
| 2AB2 | 2AC2 | 4AH6-D | 4DE2 | 4AH6-C | 6DY3 |
| 2AB3 | 2AC2 | 4AH6-C | 4DE2 | 4AH6-C | 4DY2 |
| 4AB2 | 4SF2 | 4AH5-B | 4DE2 | 4AH6-C | 2DY2 |
| 4AB3 | 4SF2 | 4AH6-D | 2DE2 | 4AH5-B | 9DY2 |
| 4AC2 | 4AC2 | 4AH6-C | 2DE2 | 4AH5-B | 9DY3 |
| 4AC2 | 2AC2 | 4AH5-B | 2DE2 | 4AH5-B | 6DY2 |
| 4AH6-D | 4AC2 | 4AH5-B | 6DY3 | 4AH6-D | 2AC2 |
| 4AH6-D | 4DX3 | 4AH5-B | 4DY2 | 4AH6-C | 4AC2 |
| 4AH6-C | 4DX3 | 4AH5-B | 2DY2 | 4AH6-C | 2AC2 |
| 4AH5-B | 4DX3 | 4AH5-B | 4AC2 | 4AH6-D | 4DX2 |
| 4AH6-D | 9EA2 | 4AH5-B | 2AC2 | 4AH6-C | 4DX2 |
| 4AH6-D | 9EA3 | 4AH5-B | 4DX2 | 4AH6-D | 6EA2-E |
| 4AH6-D | 2CT3 | 4AH6-D | 6EA2-M | 4AH6-C | 2CT3 |
| 4AH6-D | 9DY2 | 4AH6-D | 4EA2-E | 4AH5-B | 2CT3 |
| 4AH6-D | 9DY3 | 4AH6-D | 4EA2-M | 4AH6-D | 6DA2 |
| 4AH6-D | 6DY2 | 4AH6-C | 9EA2 | 4AH6-D | 4DA2 |
| 4AH6-D | 6DY3 | 4AH6-C | 9EA3 | 4AH6-D | 2DA2 |
| 4AH6-D | 4DY2 | 4AH6-C | 6EA2-E | 4AH6-C | 6DA2 |
| 4AH6-C | 4DA2 | 4AH6-C | 2DA2 | | |

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7. Special Access Service (Cont'd)

7.3 Channel Interface and Network Channel Codes (Cont'd)

7.3.5 Compatible Channel Interfaces (Cont'd)

(A) Voice Grade (Cont'd)

| <u>Compatible CIs</u> | | <u>Compatible CIs</u> | | <u>Compatible CIs</u> | |
|-----------------------|--------|-----------------------|--------|-----------------------|--------|
| 4AH6-C | 6EA2-M | 4AH6-D | 6GS2 | 4AH6-D | 2LO2 |
| 4AH6-C | 4EA2-E | 4AH6-D | 4GS2 | 4AH6-C | 2LO3 |
| 4AH6-C | 4EA2-M | 4AH6-D | 2GS3 | 4AH6-C | 2LO2 |
| 4AH5-B | 9EA2 | 4AH6-D | 2GS2 | 4AH5-B | 2LO3 |
| 4AH5-B | 9EA3 | 4AH6-C | 6GS2 | 4AH5-B | 2LO2 |
| 4AH5-B | 6EA2-E | 4AH6-C | 4GS2 | 4AH5-B | 6EA2-M |
| 4AH6-C | 2GS3 | 4AH6-D | 4LR2 | 4AH5-B | 4EA2-E |
| 4AH6-C | 2GS2 | 4AH6-D | 2LR2 | 4AH5-B | 4EA2-M |
| 4AH5-B | 6GS2 | 4AH6-C | 4LR2 | 4AH5-B | 4GS2 |
| 4AH6-C | 2LR2 | 4AH6-D | 8EB2-E | 4AH5-B | 2GS3 |
| 4AH5-B | 4LR2 | 4AH6-D | 8EB2-M | 4AH5-B | 2GS2 |
| 4AH5-B | 2LR2 | 4AH6-D | 6EB2-E | 4AH6-D | 6EB2-M |
| 4AH6-D | 2LA2 | 4AH6-D | 6LS2 | 4AH6-C | 8EB2-E |
| 4AH6-C | 2LA2 | 4AH6-D | 4LS2 | 4AH6-C | 8EB2-M |
| 4AH5-B | 2LA2 | 4AH6-D | 2LS2 | 4AH6-C | 6EB2-E |
| 4AH6-D | 2LS3 | 4AH6-C | 6EB2-M | 4AH6-D | 2LB2 |
| 4AH6-C | 6LS2 | 4AH5-B | 8EB2-E | 4AH6-C | 2LB2 |
| 4AH6-C | 4LS2 | 4AH5-B | 8EB2-M | 4AH5-B | 2LB2 |
| 4AH6-C | 2LS2 | 4AH5-B | 6EB2-E | 4AH6-C | 2LS3 |
| 4AH5-B | 6EB2-M | 4AH6-D | 2LC2 | 4AH5-B | 6LS2 |
| 4AH6-C | 2LC2 | 4AH5-B | 4LS2 | 4AH6-D | 2GO2 |
| 4AH5-B | 2LC2 | 4AH5-B | 2LS2 | 4AH6-D | 2GO3 |
| 4AH5-B | 2LS3 | 4AH6-C | 2GO2 | 4AH6-D | 2LO3 |
| 4AH6-C | 2GO3 | 4AH5-B | 2GO2 | 4AH5-B | 2GO3 |

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7. Special Access Service (Cont'd)

7.3 Channel Interface and Network Channel Codes (Cont'd)

7.3.5 Compatible Channel Interfaces (Cont'd)

(A) Voice Grade (Cont'd)

| <u>Compatible CIs</u> | | <u>Compatible CIs</u> | | <u>Compatible CIs</u> | |
|-----------------------|--------|-----------------------|--------|-----------------------|--------|
| 4AH6-D | 4NO2 | 4AH6-D | 4TF2 | 2CT3 | 6EB2-E |
| 4AH6-D | 2NO2 | 4AH6-D | 2TF2 | 2CT3 | 6EB2-M |
| 4AH6-C | 4NO2 | 4AH6-C | 4TF2 | 2CT3 | 6EB3-E |
| 4AH6-C | 2NO2 | 4AH6-C | 2TF2 | 4AH5-B | 4NO2 |
| 4AH5-B | 4TF2 | 2CT3 | 8EB2-E | 4AH5-B | 2NO2 |
| 4AH5-B | 2TF2 | 2CT3 | 8EB2-M | 2CT3 | 2CT3 |
| 4AH6-D | 4PR2 | 2CT3 | 4DS9-* | 2CT3 | 8EC2 |
| 4AH6-D | 2PR2 | 4AH6-C | 4PR2 | 2CT3 | 6DX2 |
| 2CT3 | 4SF2 | 4AH6-C | 2PR2 | 2CT3 | 4DX2 |
| 2CT3 | 4SF3 | 4AH5-B | 4PR2 | 2CT3 | 4DX3 |
| 4AH5-B | 2PR2 | 4AH6-D | 4RV2-T | 2CT3 | 9DY3 |
| 4AH6-D | 2RV2-T | 2CT3 | 6DY3 | 4AH6-C | 4RV2-T |
| 2CT3 | 9DY2 | 4AH6-C | 2RV2-T | 2CT3 | 6DY2 |
| 4AH5-B | 4RV2-T | 2CT3 | 4DY2 | 4AH5-B | 2RV2- |
| 2CT3 | 2DY2 | 4AH6-D | 4SF2 | 2CT3 | 9EA3 |
| 4AH6-C | 4SF2 | 2CT3 | 9EA2 | 4AH5-B | 4SF2 |
| 2CT3 | 6EA2-E | 4AH6-D | 4SF3 | 2CT3 | 6EA2-M |
| 4AH6-C | 4SF3 | 2CT3 | 4EA2-E | 4AH5-B | 4SF3 |
| 2CT3 | 4EA2-M | | | | |

* See 7.3.3 preceding for explanation.

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7. Special Access Service (Cont'd)

7.3 Channel Interface and Network Channel Codes (Cont'd)

7.3.5 Compatible Channel Interfaces (Cont'd)

(A) Voice Grade (Cont'd)

| <u>Compatible CIs</u> | | <u>Compatible CIs</u> | | <u>Compatible CIs</u> | |
|-----------------------|--------|-----------------------|--------|-----------------------|------|
| 4DS9-* | 4AC2 | 4DS9-* | 2AC2 | 4DS9-* | 6DA2 |
| 4DS9-* | 4DA2 | 6DA2 | 6DA2 | 4DS9-* | 2DA2 |
| 6DA2 | 4DA2 | 6DA2 | 2DA2 | 4DS9-* | 4DE2 |
| 4DA2 | 4DA2 | 4DS9-* | 2DE2 | 4DA2 | 2DA2 |
| 2DA2 | 2DA2 | 4DS9-* | 4DX3 | 4DB2 | 6DA2 |
| 4DS9-* | 4DX2 | 4DB2 | 4DA2 | 4DB2 | 2DA2 |
| 4DS9-* | 9DY3 | 2DB3 | 2DA2 | 4DS9-* | 9DY2 |
| 2DB2 | 2DA2 | 4DS9-* | 6DY3 | 4DB2 | 4DB2 |
| 4DS9-* | 6DY2 | 4DB2 | 4NO2 | 4DS9-* | 4DY2 |
| 4DB2 | 2NO2 | 4DS9-* | 2DY2 | 2DB2 | 2NO2 |
| 4DS9-* | 9EA2 | 4DB2 | 4PR2 | 4DS9-* | 9EA3 |
| 4DB2 | 2PR2 | 4DS9-* | 6EA2-E | 2DB2 | 2PR2 |
| 4DS9-* | 6EA2-M | 4DS9-* | 4EA2-E | 4DD3 | 4DE2 |
| 4DS9-* | 4EA2-M | 4DD3 | 2DE2 | | |

* See 7.3.3 preceding for explanation.

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7. Special Access Service (Cont'd)

7.3 Channel Interface and Network Channel Codes (Cont'd)

7.3.5 Compatible Channel Interfaces (Cont'd)

(A) Voice Grade (Cont'd)

| <u>Compatible CIs</u> | | <u>Compatible CIs</u> | | <u>Compatible CIs</u> | |
|-----------------------|--------|-----------------------|--------|-----------------------|--------|
| 4DS9-* | 8EB2-E | 4DS9-* | 4NO2 | 4DX3 | 9DY2 |
| 4DS9-* | 8EB2-M | 4DS9-* | 2NO2 | 4DX2 | 6DY3 |
| 4DS9-* | 6EB2-E | 4DX3 | 6DY3 | 4DS9-* | 6EB2-M |
| 4DS9-* | 4PR2 | 4DX2 | 6DY2 | 4DS9-* | 2PR2 |
| 4DX3 | 6DY2 | 4DS9-* | 2GO2 | 4DX2 | 4DY2 |
| 4DS9-* | 2G03 | 4DS9-* | 4RV2-T | 4DX3 | 4DY2 |
| 4DS9-* | 6GS2 | 4DS9-* | 2RV2-T | 4DX2 | 2DY2 |
| 4DS9-* | 4GS2 | 4DX3 | 2DY2 | 4DS9-* | 2GS2 |
| 4DS9-* | 4SF2 | 4DS9-* | 2GS3 | 4DS9-* | 4SF3 |
| 6DX2 | 9EA3 | 6DX2 | 9EA2 | 4DS9-* | 2LA2 |
| 4DS9-* | 4TF2 | 6DX2 | 6EA2-E | 4DS9-* | 2TF2 |
| 6DX2 | 6EA2-M | 4DS9-* | 2LB2 | 6DX2 | 4EA2-E |
| 4DX2 | 4DX2 | 6DX2 | 4EA2-M | 4DS9-* | 2LC2 |
| 4DX3 | 4DX2 | 4DX2 | 9EA2 | 4DX3 | 4DX3 |
| 4DX3 | 9EA2 | 4DS9-* | 2LO2 | 4DX2 | 9EA3 |
| 4DS9-* | 2LO3 | 6DX2 | 9DY3 | 4DX3 | 9EA3 |
| 6DX2 | 9DY2 | 4DX2 | 6EA2-E | 4DS9-* | 4LR2 |
| 6DX2 | 6DY3 | 4DX3 | 6EA2-E | 4DS9-* | 2LR2 |
| 6DX2 | 6DY2 | 4DX2 | 6EA2-M | 6DX2 | 4DY2 |
| 4DX3 | 6EA2-M | 4DS9-* | 6LS2 | 6DX2 | 2DY2 |
| 4DX2 | 4EA2-E | 4DS9-* | 4LS2 | 4DX2 | 9DY3 |
| 4DX3 | 4EA2-E | 4DS9-* | 2LS2 | 4DX3 | 9DY3 |
| 4DX2 | 4EA2-M | 4DS9-* | 2LS3 | 4DX2 | 9DY2 |
| 4DX3 | 4EA2-M | | | | |

* See 7.3.3 preceding for explanation.

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7. Special Access Service (Cont'd)

7.3 Channel Interface and Network Channel Codes (Cont'd)

7.3.5 Compatible Channel Interfaces (Cont'd)

(A) Voice Grade (Cont'd)

| <u>Compatible CIs</u> | | <u>Compatible CIs</u> | | <u>Compatible CIs</u> | |
|-----------------------|--------|-----------------------|------|-----------------------|--------|
| 6DX2 | 8EB2-E | 4DX2 | 6LS2 | 9DY2 | 6DY3 |
| 6DX2 | 8EB2-M | 4DX3 | 6LS2 | 9DY3 | 4DY2 |
| 6DX2 | 6EB2-E | 4DX3 | 4LS2 | 9DY2 | 4DY2 |
| 6DX2 | 6EB2-M | 4DX2 | 4LS2 | 9DY2 | 2DY2 |
| 4DX2 | 8EB2-E | 4DX3 | 2LS3 | 9DY3 | 2DY2 |
| 4DX2 | 8EB2-M | 4DX2 | 2LS3 | 6DY3 | 6DY3 |
| 4DX3 | 8EB2-E | 4DX3 | 2LS2 | 6DY3 | 6DY2 |
| 4DX3 | 8EB2-M | 4DX2 | 2LS2 | 6DY2 | 6DY2 |
| 4DX2 | 6EB2-E | 2DX3 | 2LS2 | 6DY3 | 4DY2 |
| 4DX2 | 6EB2-M | 2DX3 | 2LS3 | 6DY3 | 2DY2 |
| 4DX3 | 6EB2-E | 6DY2 | 4DY2 | 4DX3 | 6EB2-M |
| 4DX3 | 4RV2-T | 6DY2 | 2DY2 | 4DX2 | 4RV2-T |
| 4DY2 | 2DY2 | 4DX2 | 2LA2 | 4DX3 | 2RV2-T |
| 4DY2 | 4DY2 | 4DX3 | 2LA2 | 4DX2 | 2RV2-T |
| 2DY2 | 2DY2 | 2DX3 | 2LA2 | 6EA2-E | 4AC2 |
| 6DX2 | 4SF2 | 6EA2-M | 4AC2 | 4DX2 | 2LB2 |
| 4DX2 | 4SF2 | 6EA2-E | 2AC2 | 4DX3 | 2LB2 |
| 4DX3 | 4SF2 | 6EA2-M | 2AC2 | 2DX3 | 2LB2 |
| 4DX2 | 4SF3 | 4DX3 | 4SF3 | 9EA2 | 9DY3 |
| 4DX2 | 2LC2 | 9EA2 | 9DY2 | 4DX3 | 2LC2 |
| 9DY3 | 9DY3 | 9EA2 | 6DY3 | 2DX3 | 2LC2 |
| 9DY3 | 9DY2 | 9EA2 | 6DY2 | 9DY2 | 9DY2 |
| 9EA2 | 4DY2 | 4DX2 | 2LO3 | 9DY3 | 6DY3 |
| 9EA2 | 2DY2 | 4DX3 | 2LO3 | 9DY3 | 6DY2 |
| 9EA3 | 9DY3 | 2DX3 | 2LO3 | 9DY2 | 6DY2 |

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7. Special Access Service (Cont'd)

7.3 Channel Interface and Network Channel Codes (Cont'd)

7.3.5 Compatible Channel Interfaces (Cont'd)

(A) Voice Grade (Cont'd)

| <u>Compatible CIs</u> | | <u>Compatible CIs</u> | | <u>Compatible CIs</u> | |
|-----------------------|--------|-----------------------|--------|-----------------------|--------|
| 9EA3 | 9DY2 | 4EA2-M | 9DY2 | 4EA3-E | 9EA2 |
| 9EA3 | 6DY3 | 4EA2-M | 6DY3 | 4EA3-E | 9EA3 |
| 9EA3 | 6DY2 | 4EA2-M | 6DY2 | 4EA2-M | 4EA2-M |
| 9EA3 | 4DY2 | 4EA2-M | 4DY2 | 9EA3 | 2DY2 |
| 4EA2-M | 2DY2 | 9EA2 | 8EB2-E | 6EA2-E | 9DY3 |
| 9EA2 | 8EB2-M | 6EA2-E | 9DY2 | 9EA2 | 9EA2 |
| 9EA2 | 6EB2-E | 6EA2-E | 6DY3 | 9EA2 | 9EA3 |
| 9EA2 | 6EB2-M | 6EA2-E | 6DY2 | 9EA2 | 6EA2-E |
| 9EA3 | 9EB2-E | 6EA2-E | 4DY2 | 9EA2 | 6EA2-M |
| 9EA3 | 8EB2-M | 6EA2-E | 2DY2 | 9EA2 | 4EA2-E |
| 9EA3 | 6EB2-E | 6EA2-M | 9DY3 | 9EA2 | 4EA2-M |
| 9EA3 | 6EB2-M | 6EA2-M | 9DY2 | 9EA3 | 9EA3 |
| 6EA2-E | 8EB2-E | 6EA2-M | 6DY3 | 9EA3 | 6EA2-E |
| 6EA2-E | 8EB2-M | 6EA2-M | 6DY2 | 9EA3 | 6EA2-M |
| 6EA2-E | 6EB2-E | 6EA2-M | 4DY2 | 9EA3 | 4EA2-E |
| 6EA2-E | 6EB2-M | 6EA2-M | 2DY2 | 9EA3 | 4EA2-M |
| 6EA2-M | 8EB2-E | 4EA2-E | 9DY3 | 6EA2-E | 6EA2-E |
| 6EA2-M | 8EB2-M | 4EA2-E | 9DY2 | 6EA2-E | 6EA2-M |
| 6EA2-M | 6EB2-E | 4EA3-E | 9DY3 | 6EA2-M | 6EA2-M |
| 6EA2-M | 6EB2-M | 4EA3-E | 9DY2 | 6EA2-E | 4EA2-E |
| 4EA2-E | 8EB2-E | 4EA3-E | 6DY3 | 6EA2-E | 4EA2-M |
| 4EA2-E | 8EB2-M | 4EA3-E | 6DY2 | 6EA2-M | 4EA2-E |
| 4EA3-E | 9EB2-E | 4EA3-E | 4DY2 | 6EA2-M | 4EA2-M |
| 4EA3-E | 8EB2-M | 4EA3-E | 2DY2 | 4EA2-E | 4EA2-E |
| 4EA2-E | 6EB2-E | 4EA2-E | 6DY3 | 4EA3-E | 6EA2-E |
| 4EA2-E | 6EB2-M | 4EA2-E | 6DY2 | 4EA3-E | 6EA2-M |
| 4EA3-E | 6EB2-E | 4EA2-E | 4DY2 | 4EA3-E | 4EA2-E |
| 4EA3-E | 6EB2-M | 4EA2-E | 2DY2 | 4EA3-E | 4EA2-M |
| 4EA2-M | 8EB2-E | 4EA2-M | 9DY3 | 4EA2-E | 4EA2-M |

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7. Special Access Service (Cont'd)

7.3 Channel Interface and Network Channel Codes (Cont'd)

7.3.5 Compatible Channel Interfaces (Cont'd)

(A) Voice Grade (Cont'd)

| <u>Compatible CIs</u> | | <u>Compatible CIs</u> | | <u>Compatible CIs</u> | |
|-----------------------|--------|-----------------------|--------|-----------------------|--------|
| 4EA2-M | 8EB2-M | 9EA3 | 4SF2 | 6EB3-E | 9DY2 |
| 4EA2-M | 6EB2-E | 9EA2 | 4SF2 | 6EB3-E | 9DY3 |
| 4EA2-M | 6EB2-M | 6EA2-E | 4SF3 | 6EB2-E | 6DY2 |
| 6EA2-M | 4SF3 | 6EB3-E | 6DY2 | 6EA2-E | 2LA2 |
| 6EA2-E | 4SF2 | 6EB2-E | 6DY3 | 6EA2-M | 2LA2 |
| 6EA2-M | 4SF2 | 6EB3-E | 6DY3 | 4EA3-E | 4SF2 |
| 6EB2-E | 4DY2 | 6EA2-E | 2LB2 | 4EA2-E | 4SF2 |
| 6EB3-E | 2DY2 | 6EA2-M | 2LB2 | 4EA2-M | 4SF2 |
| 6EB3-E | 4DY2 | 6EB2-M | 9DY2 | 6EA2-E | 2LC2 |
| 8EB2-E | 4AC2 | 6EB2-M | 9DY3 | 6EA2-M | 2LC2 |
| 8EB2-M | 4AC2 | 6EB2-M | 6DY2 | 8EB2-E | 2AC2 |
| 6EB2-M | 6DY3 | 6EA2-E | 2LO3 | 8EB2-M | 2AC2 |
| 6EB2-M | 4DY2 | 6EA2-M | 2LO3 | 6EB2-E | 2DY2 |
| 8EB2-E | 9DY3 | 6EB2-M | 2DY2 | 6EA2-E | 6LS2 |
| 8EB2-E | 9DY2 | 6EA2-M | 6LS2 | 8EB2-E | 6DY3 |
| 6EB3-E | 9EA2 | 6EA2-E | 4LS2 | 8EB2-E | 6DY2 |
| 6EB3-E | 9EA3 | 6EA2-M | 4LS2 | 8EB2-E | 4DY2 |
| 6EB3-E | 6EA2-E | 6EA2-E | 2LS2 | 8EB2-E | 2DY2 |
| 6EB3-E | 6EA2-M | 6EA2-M | 2LS2 | 8EB2-M | 9DY3 |
| 6EB3-E | 4EA2-E | 6EA2-E | 2LS3 | 8EB2-M | 9DY2 |
| 6EB3-E | 4EA2-M | 6EA2-M | 2LS3 | 8EB2-M | 6DY3 |
| 8EB2-M | 6DY2 | 8EB2-E | 8EB2-E | 6EA2-E | 4RV2-T |
| 8EB2-M | 4DY2 | 8EB2-E | 8EB2-M | 6EA2-M | 4RV2-T |
| 8EB2-M | 2DY2 | 8EB2-M | 8EB2-M | 6EA2-E | 2RV2-T |
| 6EB2-E | 9DY2 | 8EB2-E | 6EB2-E | 6EA2-M | 2RV2-T |
| 6EB2-E | 9DY3 | 8EB2-E | 6EB2-M | | |

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.3 Channel Interface and Network Channel Codes (Cont'd)

7.3.5 Compatible Channel Interfaces (Cont'd)

(A) Voice Grade (Cont'd)

| <u>Compatible CIs</u> | | <u>Compatible CIs</u> | | <u>Compatible CIs</u> | |
|-----------------------|--------|-----------------------|--------|-----------------------|--------|
| 8EB2-M | 6EB2-E | 8EB2-E | 4RV2-T | 8EC2 | 8EB2-M |
| 8EB2-M | 6EB2-M | 8EB2-M | 4RV2-T | 8EC2 | 6EB2-E |
| 6EB2-E | 6EB2-E | 8EB2-E | 2RV2-T | 8EC2 | 6EB2-M |
| 6EB2-E | 6EB2-M | 8EB2-M | 2RV2-T | 6EB3-E | 8EB2-E |
| 8EC2 | 4SF2 | 6EB3-E | 8EB2-M | 8EB2-E | 4SF2 |
| 6EX2-B | 2GO3 | 6EB2-M | 6EB2-M | 8EB2-M | 4SF2 |
| 6EX2-A | 6GS2 | 8EB2-E | 4SF3 | 6EX2-A | 4GS2 |
| 8EB2-E | 2LA2 | 8EB2-M | 4SF3 | 6EX2-A | 2GS2 |
| 8EB2-M | 2LA2 | 6EB3-E | 4SF2 | 6EX2-A | 2GS3 |
| 6EB2-E | 4SF2 | 8EB2-E | 2LB2 | 6EB2-M | 4SF2 |
| 6EX2-B | 2LA2 | 8EB2-M | 2LB2 | 8EC2 | 9DY2 |
| 6EX2-B | 2LB2 | 8EB2-E | 2LC2 | 8EC2 | 9DY3 |
| 8EB2-M | 2LC2 | 8EC2 | 6DY2 | 6EX2-B | 2LC2 |
| 8EC2 | 6DY3 | 8EB2-E | 2LO3 | 8EC2 | 4DY2 |
| 6EX2-B | 2LO2 | 8EB2-M | 2LO3 | 8EC2 | 2DY2 |
| 6EX2-B | 2LO3 | 8EB2-E | 6LS2 | 8EC2 | 9EA2 |
| 6EX2-B | 4LR2 | 8EB2-M | 6LS2 | 8EC2 | 9EA3 |
| 6EX2-B | 2LR2 | 8EB2-E | 4LS2 | 8EC2 | 6EA2-E |
| 8EB2-M | 4LS2 | 8EC2 | 6EA2-M | 6EX2-A | 6LS2 |
| 8EB2-E | 2LS2 | 8EC2 | 4EA2-E | 6EX2-A | 4LS2 |
| 8EB2-M | 2LS2 | 8EC2 | 4EA2-M | 6EX2-A | 2LS2 |
| 8EB2-E | 2LS3 | 6EX2-A | 2LS3 | 8EB2-M | 2LS3 |
| 8EC2 | 8EB2-E | | | | |

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.3 Channel Interface and Network Channel Codes (Cont'd)

7.3.5 Compatible Channel Interfaces (Cont'd)

(A) Voice Grade (Cont'd)

| <u>Compatible CIs</u> | | <u>Compatible CIs</u> | | <u>Compatible CIs</u> | |
|-----------------------|------|-----------------------|------|-----------------------|------|
| 6EX2-A | 4SF2 | 6LO2 | 6LS2 | 4LR2 | 4SF2 |
| 6EX2-B | 4SF2 | 6LO2 | 4LS2 | 4LR3 | 4SF2 |
| 6LO2 | 2LS2 | 6GO2 | 6GS2 | 6LO2 | 2LS3 |
| 6LS2 | 2LA2 | 6GO2 | 4GS2 | 4LO2 | 6LS2 |
| 4LS2 | 2LA2 | 6G02 | 2GS2 | 4LO2 | 4LS2 |
| 4LS3 | 2LA2 | 6GO2 | 2GS3 | 4LO3 | 6LS2 |
| 2LS2 | 2LA2 | 4GO2 | 6GS2 | 4LO3 | 4LS2 |
| 2LS3 | 2LA2 | 4GO3 | 6GS2 | 4LO3 | 2LS3 |
| 4GO2 | 4GS2 | 4LO3 | 2LS2 | 6LS2 | 2LB2 |
| 4GO3 | 4GS2 | 4LO2 | 2LS2 | 4LS2 | 2LB2 |
| 4GO2 | 2GS2 | 4LO2 | 2LS3 | 4LS3 | 2LB2 |
| 4GO2 | 2GS3 | 2LO3 | 2LS3 | 2LS2 | 2LB2 |
| 4GO3 | 2GS2 | 2LO3 | 2LS2 | 2LS3 | 2LB2 |
| 4GO3 | 2GS3 | 2LO2 | 2LS2 | 2GO2 | 2GS2 |
| 2LO2 | 2LS3 | 6LS2 | 2LC2 | 2GO3 | 2GS2 |
| 4LS2 | 2LC2 | 2GO2 | 2GS3 | 6LO2 | 4SF2 |
| 4LS3 | 2LC2 | 2GO3 | 2GS3 | 4LO2 | 4SF2 |
| 2LS2 | 2LC2 | 4LO3 | 4SF2 | 2LS3 | 2LC2 |
| 6GO2 | 4SF2 | 4GO2 | 4SF2 | 4LR3 | 4LR2 |
| 6LS2 | 2LO3 | 4GO3 | 4SF2 | 4LR3 | 2LR2 |
| 6LS2 | 2LO2 | 4LR2 | 4LR2 | 4LS2 | 2LO2 |
| 6GS2 | 2GO2 | 4LR2 | 2LR2 | 4LS2 | 2LO3 |
| 4GS2 | 4G02 | 2LR2 | 2LR2 | 4LS3 | 2LO2 |
| 4GS3 | 2GO2 | 2LR3 | 2LR2 | 4LS3 | 2LO3 |
| 4GS2 | 2GO3 | | | | |

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.3 Channel Interface and Network Channel Codes (Cont'd)

7.3.5 Compatible Channel Interfaces (Cont'd)

(A) Voice Grade (Cont'd)

| <u>Compatible CIs</u> | | <u>Compatible CIs</u> | | <u>Compatible CIs</u> | |
|-----------------------|--------|-----------------------|--------|-----------------------|--------|
| 6LS2 | 4SF2 | 4SF3 | 9DY2 | 4SF3 | 2LA2 |
| 4LS3 | 4SF2 | 4SF2 | 9DY3 | 4SF3 | 6DY3 |
| 4SF2 | 2LB2 | 4NO2 | 6DA2 | 4SF2 | 6DY2 |
| 4SF3 | 2LB2 | 4NO2 | 4DA2 | 4SF2 | 6DY3 |
| 4NO2 | 2DA2 | 4SF3 | 6DY2 | 4SF2 | 2LC2 |
| 2NO2 | 6DA2 | 4SF2 | 4DY2 | 4SF3 | 2LC2 |
| 2NO2 | 4DA2 | 4SF3 | 4DY2 | 2NO2 | 2DA2 |
| 4SF3 | 2DY2 | 4SF2 | 2LO3 | 4NO2 | 4DE2 |
| 4SF2 | 2DY2 | 4SF3 | 2LO3 | 4NO2 | 2DE2 |
| 4NO2 | 4NO2 | 4SF3 | 9EA2 | 4SF2 | 2LR2 |
| 4NO2 | 2NO2 | 4SF3 | 9EA3 | 4SF3 | 4LR2 |
| 2NO2 | 2NO2 | 4SF3 | 4EA2-E | 4SF3 | 2LR2 |
| 2NO3 | 2NO2 | 4SF3 | 4EA2-M | 4SF3 | 6LS2 |
| 2NO3 | 2PR2 | 4SF3 | 6EB2-E | 4SF2 | 4LS2 |
| 4SF3 | 6EB2-M | 4SF3 | 4LS2 | 4RV2-0 | 4RV2-T |
| 4SF2 | 2GO3 | 4SF2 | 2LS2 | 4RV2-0 | 2RV2-T |
| 4SF3 | 6GS2 | 4SF2 | 2LS3 | 2RV2-0 | 2RV2-T |
| 4SF2 | 6GS2 | 4SF3 | 2LS2 | 4SF2 | 4GS2 |
| 4SF3 | 2LS3 | 4RV2-0 | 4SF2 | 4SF3 | 4GS2 |
| 4SF2 | 2GS2 | 4SF3 | 4RV2-T | 4SF2 | 4AC2 |
| 4SF2 | 2GS3 | 4SF2 | 4RV2-T | 4SF2 | 2AC2 |
| 4SF3 | 2GS2 | 4SF2 | 2RV2-T | 4SF3 | 2GS3 |
| 4SF3 | 2RV2-T | 4SF3 | 9DY3 | 4SF2 | 9DY2 |
| 4SF2 | 2LA2 | 4SF3 | 4SF3 | | |

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.3 Channel Interface and Network Channel Codes (Cont'd)

7.3.5 Compatible Channel Interfaces (Cont'd)

(A) Voice Grade (Cont'd)

Compatible CIs

| | |
|------|------|
| 4SF3 | 4SF2 |
| 4SF2 | 4SF2 |
| 4TF2 | 4TF2 |
| 4TF2 | 2TF2 |
| 2TF3 | 2TF2 |

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.3 Channel Interface and Network Channel Codes (Cont'd)

7.3.5 Compatible Channel Interfaces (Cont'd)

(B) Digital Data

| <u>Compatible CIs</u> | | <u>Compatible CIs</u> | | <u>Compatible CIs</u> | |
|-----------------------|----------|-----------------------|---------|-----------------------|---------|
| 4DS9-15 | 4DS9-15+ | 4DS8-15 | 6DU5-48 | 4DS9-15 | 4DU5-24 |
| 4DS8-15 | 6DU5-56 | 4DU5-96 | 4DU5-96 | 4DS9-15 | 4DU5-48 |
| 4DS8-15 | 6DU5-96 | 6DU5-24 | 6DU5-24 | 4DS9-15 | 4DU5-56 |
| 4DU5-24 | 4DU5-24 | 6DU5-48 | 6DU5-48 | 4DS9-15 | 4DU5-96 |
| 4DU5-48 | 4DU5-48 | 6DU5-56 | 6DU5-56 | 4DS9-15 | 6DU5-24 |
| 4DU5-56 | 4DU5-56 | 6DU5-96 | 6DU5-96 | | |

+ Available only as a cross connect of two digital channels at appropriate digital speeds at a Telephone Company Hub.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.3 Channel Interface and Network Channel Codes (Cont'd)

7.3.5 Compatible Channel Interfaces (Cont'd)

(C) High Capacity

Compatible CIs

Compatible CIs

| | | | |
|----------|---------------|----------------|----------------|
| 4DSO-63 | 4DSO-63 | 4DS9-15 | 4DU8-B |
| 4DSO-63 | 6DU8-A,B or C | 4DS9-15J | 6DU8-A |
| 4DSO-63 | 4DU8-A,B or C | 4DS9-15J | 4DU8-A |
| 4DS6-27 | 4DS6-27 | 4DS9-15K | 6DU8-B |
| 4DS6-27 | 6DU8-A,B or C | 4DS9-15K | 4DU8-B |
| 4DS6-27 | 4DU8-A,B or C | 4DS9-15K | 6DU8-C |
| 4DS6-44 | 4DS6-44 | 4DS9-15K | 4DU8-C |
| 4DS6-44 | 6DU8-A,B or C | 4DS9-31 | 4DS9-31 |
| 4DS6-44 | 4DU8-A,B or C | 4DS9-31 | 6DU8-A,B or C |
| 4DS9-15 | 4DS9-15++ | 4DS9-31 | 4DU8-A,B or C |
| 4DS9-15J | 4DS9-15J | 4DU8-A, B or C | 4DU8-A, B or C |
| 4DS9-15K | 4DS9-15K | 4DS9-15 | 6DU9-B |

++ Available also as a cross connect of two individual channels of 1.544 Mbps facilities at a Telephone Company Hub.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations

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

7.4.1 Types of Rates and Charges

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

(A) Monthly Rates

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

(B) Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for specific work activity (i.e., installation or change to an existing service). The types of nonrecurring charges that apply for Special Access Service are: installation of service, installation of optional features and functions, and service rearrangements.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.1 Types of Rates and Charges (Cont'd)

(B) Nonrecurring Charges (Cont'd)

(1) Installation of Service

Nonrecurring charges apply to each service installed. The nonrecurring charges for the installation of service are set forth in 7.5 following as a nonrecurring charge for the Service Termination rate element.

(2) Installation of Optional Features and Functions

Nonrecurring charges apply for the installation of some of the optional features and functions available with Special Access Service. The charge applies whether the feature or function is installed coincident with the initial installation of service or at any time subsequent to the installation of the service.

The optional features and functions for which nonrecurring charges apply are set forth in 7.5.1, 7.5.2 and 7.5.3 following.

(3) Service Rearrangements

Service rearrangements are changes to existing (installed) services which do not result in either a change in the minimum period requirements as set forth in Section 5.2.5(D) preceding or a change in the physical location of the point of termination at the customer designated premises. Changes in the type of service or channel termination are treated as disconnects and starts. Changes in the physical location of the point of the termination are treated as moves and are described and charged for as set forth in 7.4.2 following.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.4 Rate Regulations (Cont'd)7.4.1 Types of Rates and Charges (Cont'd)(B) Nonrecurring Charges (Cont'd)(3) Service Rearrangements (Cont'd)

The charge to the customer for the service rearrangement is dependent on whether the charge is administrative only in nature or involves actual physical change to the service.

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

- Change of customer name (i.e., the customer of record does not change but rather the customer of record changes its name--e.g., AT&T-Long Lines to AT&T-Communications),
- Change of customer or customer's end user premises address when the change of address is not a result of a physical relocation of equipment,
- Change in billing data (name, address, or contact name or telephone number),
- Change of agency authorization,
- Change of customer circuit identification,
- Change of billing account number,
- Change of customer test line number,
- Change of customer or customer's end user contact name or telephone number, and
- Change of jurisdiction.

All other service rearrangements will be charged for as follows:

- If the change involves the addition of another leg to an existing multipoint service, the nonrecurring charge for the channel termination rate element will apply. The charge will apply only for the leg that is being added.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.1 Types of Rates and Charges (Cont'd)

(B) Nonrecurring Charges (Cont'd)

(3) Service Rearrangements (Cont'd)

- If the change involves the addition of an optional feature or function which has a separate nonrecurring charge, that nonrecurring charge will apply.
- If the change involves changing the type of signaling on a Voice Grade channel, a charge equal to the Voice Grade channel termination rate element nonrecurring charge will apply. The charge will apply per service termination affected.
- For all other changes, including the addition of optional features without separate nonrecurring charges, a charge equal to a channel termination rate element nonrecurring charge will apply. Only one such charge will apply per service, per change.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.2 Moves

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

- The Point of Termination at the customer's premises
- The customer's premises

The charges for the move are dependent on whether the move is to a new location within the same building or to a different building.

(A) Moves Within the Same Building

When the move is to a new location within the same building, the charge for the move will be an amount equal to one half of the nonrecurring (i.e., installation) charge for the channel termination affected. There will be no change in the minimum period requirements.

(B) Moves to a Different Building

Moves to a different building will be treated as a discontinuance and start of service and all associated nonrecurring charges will apply. New minimum period requirements will be established for the new services. The customer will also remain responsible for satisfying all outstanding minimum period charges for the disconnected service.

7.4.3 Mileage Measurement

The mileage to be used to determine the monthly rate for the Channel Mileage is calculated on the airline distance between the locations involved, i.e., the serving wire centers associated with two customer designated premises, a serving wire center associated with a customer designated premises and a Telephone Company Hub, or two Telephone Company Hubs. The serving wire center associated with a customer designated premises is the serving wire center from which the customer designated premises would normally obtain dial tone.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.4 Rate Regulations (Cont'd)7.4.3 Mileage Measurement (Cont'd)

The mileage is determined using the V&H coordinates method, as set forth in the National Exchange Carrier Association Tariff, Inc. F.C.C. No. 4. When the calculation results in a fraction of a mile, always round up to the next whole mile before determining the rate.

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

7.4.4 Facility Hubs

A customer has the option of ordering Voice Grade facilities or analog or digital high capacity facilities (i.e., Group, Supergroup, Mastergroup, DS1, DS1C or DS3) to a facility Hub for channelizing to individual services requiring lower capacity facilities (e.g., Voice, etc.).

Different locations may be designated as Hubs for different facility capacities, e.g., multiplexing from digital to digital may occur at one location while multiplexing from digital to analog may occur at a different location. When ordering, the customer will specify the desired multiplexing Hub(s) selected from the National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4. This tariff identifies the type(s) of multiplexing functions which are available and the wire centers at which they are available.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.4 Facility Hubs (Cont'd)

Some of the types of multiplexing available include the following:

- from higher to lower bit rate
- from higher to lower bandwidth
- from digital to voice frequency channels

End to end services may be provided on channels of these facilities to a Hub. The transmission performance for the end to end service provided between customer designated premises will be that of the lower capacity or bit rate. For example, when a 1.544 Mbps facility is multiplexed to voice frequency channels, the transmission performance of the channelized services will be Voice Grade, not High Capacity.

The Telephone Company will commence billing the monthly rate for the facility to the Hub on the date specified by the customer on the service order. Individual services utilizing these facilities may be installed coincident with the installation of the facility to the Hub, or may be ordered and/or installed at a later date, at the option of the customer. The customer will be billed for a Voice Grade or a high capacity analog or digital Channel Termination, Channel Mileage (when applicable), and the multiplexer at the time the facility is installed. Individual service rates (by service type) will apply for a Channel Termination and additional Channel Mileage (as required), for each channelized service. These will be billed to the customer as each individual service is installed.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.4 Facility Hubs (Cont'd)

Cascading multiplexing occurs when a high capacity analog or digital channel is de-multiplexed to provide channels with a lesser capacity and one of the lesser capacity channels is further de-multiplexed. For example, a Supergroup facility is de-multiplexed to five Group facilities and then one of the Group facilities is further de-multiplexed to individual Voice Grade channels.

When cascading multiplexing is performed, whether in the same or a different Hub, a charge for the additional multiplexing unit also applies. When cascading multiplexing is performed at different Hubbing locations, Channel Mileage charges also apply between the Hubs.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.4 Rate Regulations (Cont'd)7.4.5 Shared Use Analog and Digital High Capacity Services

Shared use occurs when Special Access Service and Switched Access Service are provided over High Capacity facilities through a common interface. The facility will be ordered, provided and rated as Special Access Service (i.e., Channel Termination, Channel Mileage, as appropriate, and Multiplexer). The nonrecurring charge that applies when the shared use facility is installed will be the nonrecurring charge associated with the appropriate Special Access High Capacity Channel Termination. Individual service (i.e., Switched or Special Access) nonrecurring charges will not apply to the individual channels of the shared use facility. Rating as Special Access will continue until such time as the customer chooses to use a portion of the available capacity for providing Switched Access Service. As each individual channel is activated for Switched Access Service, the Special Access Channel Termination and Channel Mileage rates will be reduced accordingly (e.g., 1/12th for a Group, 1/24th for a DS1 service, etc.). The customer must place an order for each individual Switched or Special Access Service utilizing the Shared Use Facilities and specify the channel assignment for each such service.

Switched Access Service rates and charges as set forth in Section 6.8 preceding will apply for each channel of the shared use facility that is used to provide Switched Access Service. Where Special Access Service is provided utilizing a channel of the shared facility to the Hub, High Capacity rates and charges will apply for the facility to the Hub as set forth preceding and individual service rates will apply from the Hub to the customer designated premises. The rates and charges that will apply to the portion from the Hub to the customer designated premises will be dependent on the specific type of Special Access Service that is provided (e.g., Voice Grade, Digital Data, etc.). The applicable rates and charges will include a Channel Termination and Channel Mileage if applicable. Rates and charges for optional features and functions, associated with the service, if any, will apply as set forth in 7.5 following.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.1 Voice Grade Service

| | <u>Monthly Rates</u> | <u>Nonrecurring Charges</u> |
|---|----------------------------|---------------------------------|
| (A) Channel Termination | | |
| - Without Signaling (available with all VG packages) | | |
| - Per point of Termination | | |
| - Two-Wire | \$23.00 | \$150.00 |
| - Four-Wire | \$39.00 | \$150.00 |
| (B) Channel Termination | | |
| - With Signaling (available with VGC, VG1, VG2, VG3, VG7, VG8 and VG9) | | |
| - Per point of Termination | | |
| - Two-Wire | \$23.00 | \$150.00 |
| - Four-Wire | \$39.00 | \$150.00 |
| (C) Channel Mileage | | |
| | <u>Monthly Rates</u> | |
| | <u>Termination (Fixed)</u> | <u>Facility (Per Mile)</u> |
| | \$35.00 | \$1.50 |

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.1 Voice Grade Service (Cont'd)

| | <u>Monthly Rates</u> | <u>Nonrecurring Charges</u> |
|--|--------------------------|---------------------------------|
| (D) Optional Features and Functions | | |
| (1) Bridging | | |
| (a) <u>Voice Bridging</u> | | |
| (available with VGC, VG2, VG5, VG6, VG10, VG11 and VG12) | | |
| Two-Wire/Four-Wire | | |
| - Per port | | |
| - Two-Wire | \$6.00 | \$33.00 |
| - Four-Wire | \$6.00 | \$45.00 |

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.1 Voice Grade Service (Cont'd)

| | <u>Monthly Rates</u> | <u>Nonrecurring Charges</u> |
|---|--------------------------|---------------------------------|
| (D) Optional Features and Functions (Cont'd) | | |
| (1) Bridging (Cont'd) | | |
| (b) <u>Data Bridging</u> | | |
| (available with VGC, VG6 and VG10) | | |
| Two-Wire/Four-Wire | | |
| - Per port | | |
| - Two-Wire | \$4.00 | \$45.00 |
| - Four-Wire | \$4.00 | \$67.00 |

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.1 Voice Grade Service (Cont'd)

| | <u>Monthly Rates</u> | <u>Nonrecurring Charges</u> |
|---|--------------------------|---------------------------------|
| (D) Optional Features and Functions (Cont'd) | | |
| (1) Bridging (Cont'd) | | |
| (c) <u>Telephoto Bridging</u> | | |
| (available with VGC and VG11) | | |
| Two-Wire/Four-Wire | | |
| - Per port | | |
| - Two-Wire | \$14.00 | \$33.00 |
| - Four-Wire | \$14.00 | \$56.00 |

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.1 Voice Grade Service (Cont'd)

| | <u>Monthly Rates</u> | <u>Nonrecurring Charges</u> |
|---|--------------------------|---------------------------------|
| (D) Optional Features and Functions (Cont'd) | | |
| (2) Conditioning | | |
| - Per Point of Termination | | |
| C-Type (available with VGC, VG5, VG6, VG7, VG8, VG9 and VG10) | \$3.00 | \$89.00 |
| Sealing Current (available with VGC and VG6) | None | None |

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.1 Voice Grade Service (Cont'd)

| | <u>Monthly Rates</u> | <u>Nonrecurring Charges</u> |
|--|--------------------------|---------------------------------|
| (D) Optional Features and Functions (Cont'd) | | |
| (3) Improved Return Loss for Effective Two-Wire or Four-Wire Transmission | | |
| - Per Point of Termination | | |
| - Two-Wire (available with VGC, VG2, VG3 and VG7) | \$3.00 | \$33.00 |
| - Four-Wire (available with all VG packages) | \$4.00 | \$45.00 |

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.1 Voice Grade Service (Cont'd)

| | <u>Monthly Rates</u> | <u>Nonrecurring Charges*</u> |
|---|--------------------------|----------------------------------|
| (D) Optional Features and Functions (Cont'd) | | |
| (4) Customer Specified Premises Receive Level (available with all VG packages) | | |
| - Per Two-Wire Point of Termination | \$0.00 | \$45.00 |

* Applicable only to provision of customer specified premises receive level subsequent to initial installation of a voice grade service.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.1 Voice Grade Service (Cont'd)

| | <u>Monthly Rates</u> | <u>Nonrecurring Charges</u> |
|---|--------------------------|---------------------------------|
| (D) Optional Features and Functions (Cont'd) | | |
| (5) Data Capability (available with VGC, VG6, VG7 and VG10) | | |
| - Per Point of Termination | \$0.00 | \$33.00 |
| (6) Telephoto Capability (available with VGC and VG11) | | |
| - Per Point of Termination | \$12.00 | \$22.00 |

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.2 Digital Data Service

| | <u>Monthly Rates</u> | <u>Nonrecurring Charges</u> |
|---|----------------------|-----------------------------|
| (A) Channel Termination | | |
| - Per Point of Termination | | |
| - Low Speeds (2.4, 4.8 and 9.6 Kbps) | \$65.00 | \$200.00 |
| - High Speeds (56.0 and 64.0 Kbps) | \$108.00 | \$250.00 |

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.2 Digital Data Service (Cont'd)

| | | <u>Monthly Rates</u> | |
|-----|-----------------------|----------------------------|----------------------------|
| | | <u>Termination (Fixed)</u> | <u>Facility (Per Mile)</u> |
| (B) | Channel Mileage | | |
| | - All Speeds | | |
| | (2.4, 4.8, 9.6, 56.0, | | |
| | 64.0 Kbps) | \$35.00 | \$1.50 |

Advice No. WA 10-21A
Issued: May 27, 2010
Issued By: United Telephone Company of the Northwest

Effective: May 28, 2010

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.2 Digital Data Service (Cont'd)

| | <u>Monthly Rates</u> | <u>Nonrecurring Charges</u> |
|---|--------------------------|---------------------------------|
| (C) Optional Features and Functions | | |
| (1) Bridging (available with all DA packages) - Per port | ICB | ICB |
| (2) Data Amplification (56.0 and 64.0 Kbps) | \$85.00 | \$100.00 |

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.2 Digital Data Service (Cont'd)

| | <u>Monthly Rates</u> | <u>Nonrecurring Charges</u> |
|--|--------------------------|---------------------------------|
| (D) Channel Service Unit* | | |
| - Per Point of Termination where provided | | |
| - 2.4 kbps | ICB | ICB |
| - 4.8 kbps | ICB | ICB |
| - 9.6 kbps | ICB | ICB |
| - 56.0 kbps | ICB | ICB |

* Channel Service Units will only be provided under tariff if they existed in the Telephone Company's inventory as of November 18, 1983.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.3 High Capacity Service

| | <u>Monthly Rates</u> | <u>Nonrecurring Charges</u> |
|----------------------------|--------------------------|---------------------------------|
| (A) Channel Termination | | |
| - Per Point of Termination | | |
| - 1.544 Mbps | \$150.00 | \$550.00 |
| - 3.152 Mbps | ICB | ICB |
| - 6.312 Mbps | ICB | ICB |
| - 44.736 Mbps | | |
| Installation | | \$550.00 |
| Rearrangement | | \$275.00 |
| Within CO | \$1,300.00 | |
| 0-3 Miles | \$1,650.00 | |
| Over 3 Miles | \$2,100.00 | |
| - 274.176 Mbps | ICB | ICB |

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.3 High Capacity Service (Cont'd)

| | | <u>Monthly Rates</u> | |
|-----|-----------------|----------------------------|----------------------------|
| | | <u>Termination (Fixed)</u> | <u>Facility (Per Mile)</u> |
| (B) | Channel Mileage | | |
| (1) | 1.544 Mbps | \$75.00 | \$12.00 |
| (2) | 3.152 Mbps | ICB | ICB |
| (3) | 6.312 Mbps | ICB | ICB |
| (4) | 44.736 Mbps | \$800.00 | \$200.00 |
| (5) | 274.176 Mbps | ICB | ICB |

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.3 High Capacity Service (Cont'd)

| | <u>Monthly Rates</u> | <u>Nonrecurring Charges</u> |
|---------------------------------------|--------------------------|---------------------------------|
| (C) Optional Features and Functions | | |
| (1) Multiplexing | | |
| DS3 to DS1 (available with HC3) | | |
| - Per arrangement | \$600.00 | \$200.00 |
| DS1C to DS1 (available with HC1C) | | |
| - Per arrangement | ICB | ICB |
| DS1 to Voice* (available with HC1) | | |
| - Per arrangement | \$350.00 | \$150.00 |
| DS1 to DS0 (available with HC1) | | |
| - Per arrangement | ICB | ICB |

* A channel(s) of this DS1 to the Hub can be used for Digital Data Services.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.3 High Capacity Service (Cont'd)

| | <u>Monthly Rates</u> | <u>Nonrecurring Charges</u> |
|---|--------------------------|---------------------------------|
| (C) Optional Features and Functions (Cont'd) | | |
| (2) Automatic Loop Transfer (available with HC1) | | |
| - Per arrangement* | ICB | ICB |
| (3) Clear Channel Capability (CCC)** | | |
| - Per Point of Termination | None | \$300.00 |

* An additional Channel Termination charge will apply whenever the spare line is provided as a leg to the customers premises.

** A nonrecurring charge will apply when CCC is ordered for a DS1 circuit already in service.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.3 High Capacity Service (Cont'd)

| | <u>Monthly Rates</u> | <u>Nonrecurring Charges</u> |
|--|--------------------------|---------------------------------|
| (D) Network Channel Terminating Equipment (NCTE)+ | | |
| - Per Point of Termination where provided | | |
| - 1.544 Mbps | ICB | ICB |
| - Automatic Loop Transfer | ICB | ICB |

+ NCTE will only be provided under tariff if it existed in the Telephone Company's inventory as of November 18, 1983.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.6 Individual Case Filings

Rates and charges for Special Access Service provided on an individual case basis are filed following:

WASHINGTON (WA)

ACCESS SERVICE

8. Billing and Collection Services

The Telephone Company will provide the following Billing and Collection Services:

- (A) Recording Service,
- (B) Billing Analysis Services, and
- (C) Billing Information Service.

For the purposes of the provision of billing and collection services, the following definitions are applicable:

- (1) An IC is a billing and collection services customer who provides intrastate (IntraLATA and/or InterLATA) toll services or a local exchange carrier who provides toll services.
- (2) A clearinghouse is a billing and collection services customer acting as a billing agent on behalf of ICs and/or other Service Providers for whom the Telephone Company must provide Sub-CIC billing.
- (3) A Service Provider is a billing and collection services customer who provides telecommunications services and/or products other than toll services, such as paging, voice mail, pre-paid calling cards and telecommunications equipment.

8.1 Recording Service

The Telephone Company will provide Recording Service in association with the offering of Feature Groups C and D Switched Access Service for customer messages that can be recorded by Telephone Company provided automatic message accounting equipment or that are chargeable to a customer's end users located within the operating territory of the Telephone Company.

There will be a one-time nonrecurring service initiation charge if \$1,000.00. Any new customer initiating Billing and Collection Services from the Telephone Company must pay the service initiation charge for set-up and testing prior to ordering the service, which is non-refundable upon termination.

The Telephone Company will provide Recording Service in its operating territory. The minimum territory for which the Telephone Company will provide Recording Service is that served by all appropriately equipped offices in an operating territory for which the customer has ordered Feature Group C or D Switched Access Service.

ACCESS SERVICE

8. Billing and Collection Services (Cont'd)

8.1 Recording Service (Cont'd)

The term "customer message" used herein denotes a completed call originated by or chargeable to a customer's end user. An originating customer message begins when answer supervision from the premises of the ordering customer is received by Telephone Company recording equipment indicating that the called party has answered. An originating customer message ends when disconnect supervision is received by Telephone Company recording equipment from either the premises of the ordering customer or the customer's end user from which the call originated. Chargeable customer messages include both originating customer messages or customer messages chargeable to customer's end users, including administrative messages, located within the operating territory of the Telephone Company.

8.1.1 General Description

Recording Service is the recording of customer call details. Recording Service includes the recording and editing and assembly of messages.

Recording is the entering on magnetic tape or other acceptable media the details of customer messages originated through Switched Access Service for which appropriate answer and disconnect supervision has been received. Recording is provided 24 hours a day, 7 days a week.

Editing and assembly is the aggregation of the recorded Customer message details to create individual messages in accordance with the standard format established by the Telephone Company. It does not include rating the recorded customer message details.

ACCESS SERVICE

8. Billing and Collection Services (Cont'd)8.1 Recording Service (Cont'd)8.1.1 General Description (Cont'd)

Preparation of customer message detail is the provision of magnetic tapes containing the recorded, un-rated customer message detail and when requested by the customer and agreed to by the Telephone Company, transferring or data-transmitting the recorded customer message detail to the customer. Transferring, in this instance, refers to the conveyance and receipt of recorded customer message detail on magnetic tape via U. S. Postal Service or an independent courier. 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.

8.1.2 Undertaking of the Telephone Company

(A) The Telephone Company will record all customer messages carried over Feature Groups C and D Switched Access Service that are available to Telephone Company provided recording equipment or operators. Unavailable customer messages (i.e., certain Feature Group C operator and TSPS messages) will not be recorded. The recording equipment will be provided at locations selected by the Telephone Company. Editing and assembly will be performed on all customer messages recorded during the billing period established by the Telephone Company.

ACCESS SERVICE

8. Billing and Collection Services (Cont'd)

8.1 Recording Service (Cont'd)

8.1.2 Undertaking of the Telephone Company (Cont'd)

- (B) A standard format for the provision of the recorded customer 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
- (C) At the request of the customer and, to the extent possible, the sorting of customer's messages and customer name and address will be provided as set forth in 8.3 following. Where address information is not available in the Telephone Company data base or not readily available as a function of message recording, the Telephone Company will work cooperatively with the customer to provide the necessary detail.
- (D) At the request of a customer, magnetic tapes containing the recorded customer message details will be provided to the customer as part of Recording Service. The Telephone Company will supply the magnetic tapes. Unless specified otherwise by the customer, the magnetic tapes will be sent to the customer via first class U.S. Postal Service. However, the customer may request that the detail on the magnetic tapes or in a data file be data-transmitted to the customer. When the data files are data-transmitted to a customer premises, the data transmission charges will be determined on an individual case basis.

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ACCESS SERVICE

8. Billing and Collection Services (Cont'd)

8.1 Recording Service (Cont'd)

8.1.2 Undertaking of the Telephone Company (Cont'd)

- (E) At the customer's request, the Telephone Company will make every reasonable effort to recover recorded customer message detail previously made available to the customer, and make it available again for the customer. The charges as set forth in 8.1.7(A) following will apply for all such detail provided. Such requests must be made within a period of time as mutually agreed to by the Telephone Company and the customer.
- (F) The Telephone Company will provide Recording Service for customer messages recorded within or chargeable to customer's end users located within the operating territory of the Telephone Company.

ACCESS SERVICE

8. Billing and Collection Services (Cont'd)

8.1 Recording Service (Cont'd)

8.1.2 Undertaking of the Telephone Company (Cont'd)

- (G) Upon acceptance by the Telephone Company of a Special Order for Recording Service from a customer, the Telephone Company will determine the period of time to implement such service on an individual order basis.
- (H) Where the Telephone Company has recorded customer messages that are to be billed to an end user by another Exchange Telephone Company, the Telephone Company will enter the messages on magnetic tape or data file that can be used for data transmission of the details. When the customer has so arranged with an involved Exchange Telephone Company, the Telephone Company will deliver the recorded message details to the other Exchange Telephone Company for billing to end users in its operating territories via first class U.S. Postal Service. When the customer does not have billing arrangements with an Exchange Telephone Company, recorded messages for billing to the end users of such an Exchange Telephone Company will be delivered to the customer. The Recording charges as set forth in 8.1.7(A) through (C) following apply to recorded messages that are delivered to the customer or other Exchange Telephone Company. Program development charges as set forth in 8.1.7(D) and (E) following apply for the hours required to design, develop, test, and maintain any necessary programs to transmit data to other Exchange Telephone Companies.

ACCESS SERVICE

8. Billing and Collection Services (Cont'd)

8.1 Recording Service (Cont'd)

8.1.3 Liability of the Telephone Company

Notwithstanding Section 2.1.3 preceding, the Telephone Company liability for Recording Service is as follows:

- (A) If customer message detail is not available because the Telephone Company lost or damaged tapes or incurred recording or processing system outages, the Telephone Company will attempt to recover the lost customer message detail. If the lost customer detail cannot be recovered, the Telephone Company will estimate the volume of lost customer messages and associated revenue based on previously known values. This estimated customer message volume will be included along with the customer message detail provided to the customer. Appropriate credit adjustments will be made to the customer amounts due to account for the unbillable revenue.
- (B) When the Telephone Company is notified that, due to error or omission, incomplete data have been provided to a customer, the Telephone Company will make every reasonable effort to locate and/or recover the data at no additional charge. Such request to recover the data must be made within 30 days from the date the message details were initially made available to the customer.
- (C) In the absence of gross negligence or willful misconduct, no liability for damages to the customer or other person other than that set forth in (A) or (B) preceding shall attach to the Telephone Company.

ACCESS SERVICE

8. Billing and Collection Services (Cont'd)

8.1 Recording Service (Cont'd)

8.1.4 Obligations of the Customer

- (A) The Customer shall order Recording Services under a Special Order. The minimum period for which Recording Service is provided is one month.
- (B) When Recording Service is ordered, the customer shall furnish the Telephone Company, for the period covered by the order, an estimate of the number of messages (message capacity) to be processed. When Recording Service is ordered for more than one month, the customer shall furnish the Telephone Company message capacity estimates by calendar month.
- (C) The premises of the ordering customer shall provide such signals as may be required for the proper operation of the Telephone Company's automatic message accounting equipment used to perform the detail recordings.
- (D) When recorded customer messages are to be billed by an entity other than the Telephone Company, the customer shall furnish written instructions as to how the recorded customer messages are to be provided to that other entity. If the customer does not furnish complete instructions, all resulting unbillable messages will be delivered to the customer. The instructions shall be furnished by the customer in a timely manner.

ACCESS SERVICE

8. Billing and Collection Services (Cont'd)

8.1 Recording Service (Cont'd)

8.1.5 Payment Arrangements and Audit Provision

(A) Audit Provision

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, such records and accounts applicable to the customer and as may under recognized accounting practices contain information bearing upon the amount payable to the customer. Adjustments shall be made by the proper party to compensate for any errors or omissions disclosed by such examination or audit. Neither such right to examine and audit nor the right to receive such 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.

Any information received or reviewed by the customer or its authorized representative during the audit 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.

ACCESS SERVICE

8. Billing and Collection Services (Cont'd)

8.1 Recording Service (Cont'd)

8.1.5 Payment Arrangements and Audit Provision (Cont'd)

(B) Subscription Period

The subscription period for which Recording Service is provided and for which charges apply is one month or longer.

If the service is discontinued prior to the end of the period ordered, monthly charges as specified in (C) following, apply.

(C) Minimum Monthly Charges

Recording Service is subject to minimum monthly charges. The minimum monthly charges are the product of the monthly message capacity as furnished by the customer as set forth in 8.1.4(B) preceding and the Recording and Editing and Assembly rate times 0.50 for each month of the period ordered or \$500.00, whichever is greater.

If the customer orders multiple Billing and Collection Services, where the Minimum Monthly Charge is applicable, the \$500.00 will only be billed once per month.

ACCESS SERVICE

8. Billing and Collection Services (Cont'd)8.1 Recording Service (Cont'd)8.1.5 Payment Arrangements and Audit Provision (Cont'd)(D) Cancellation of a Special Order

A customer may cancel a Special Order for Recording Service prior to the date the Telephone Company is scheduled to enter the initial order details into its order distribution system, and no charges will apply. The cancellation date is the date the Telephone Company receives written notice from customer that the Special Order is to be cancelled.

When a customer cancels a Special Order for Recording Service after the date the Telephone Company is scheduled to enter the initial order details into its order distribution system, but prior to the start of service, a charge equal to the program development costs, as set forth in 8.1.7(D) and (E) following, and any non-recoverable capital costs incurred by the Telephone Company will apply to the customer. Service initiation charges as set forth in 8.1.7 (F) and (G), for set-up and testing are payable upon ordering and are non-refundable upon termination of service.

(E) Changes to Special Orders

When a customer requests material changes to a pending Special Order for Recording Service, the pending Special Order will be cancelled and the requested changes will be undertaken if the changes can be accommodated by the Telephone Company under a new Special Order. Material changes to a pending Special Order include changes in the location and/or number of Telephone Company recording locations, provision of data transmission to a customer location of customer recorded message detail, and changes in schedules, dates or intervals for receipt of customer recorded message detail. When a customer requests non-material changes to a pending Special Order, the changes will be incorporated into the pending Order if the Telephone Company can accommodate the request. Non-material changes to a pending Special Order include changes in customer name, customer address and other customer requests. All cancellation charges as set forth in (D) preceding will apply to cancelled Special Orders.

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ACCESS SERVICE

8. Billing and Collection Services (Cont'd)

8.1 Recording Service (Cont'd)

8.1.6 Rate Regulations

- (A) The Recording Service charges for recording and editing and assembly, apply per message recorded.
- (B) The basic per hour rate and the premium per hour rate for program development is for the use of one hour of one Telephone Company employee's time. The Telephone Company will keep a count of the hours and fraction thereof used by Telephone Company personnel to provide program development and will bill the customer in accordance with these records. The hours for each service ordered will be summed and then rounded to the nearest hour, except that when the total is less than one hour, one hour will be used to determine the charges.

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ACCESS SERVICE

8. Billing and Collection Services (Cont'd)

8.1 Recording Service (Cont'd)

8.1.7 Rates and Charges

The rates and charges on a per unit basis are listed following:

| | <u>Rates</u> |
|---|--------------|
| (A) Recording, editing and assembly - per customer message | \$0.0285 |
| (B) Transferring of recorded message detail to a customer location, - per record transferred | ICB |
| (C) Data transmission of recorded message detail to a customer location - per record transmitted | ICB |
| (D) Program Development Charge Basic, per hour (Applicable to work performed within the Telephone Company's normal work schedule and using the normal work force.) | ICB |
| (E) Program Development Charge Premium per hour (Applicable to work performed outside the Telephone Company's normal work schedule and/or which requires additions to work force.) | ICB |
| (F) Minimum Monthly Charge | \$500.00 |
| (G) Service Initiation Charge | \$1,000.00 |

Advice No. WA 10-21A
Issued: May 27, 2010
Issued By: United Telephone Company of the Northwest

Effective: May 28, 2010

ACCESS SERVICE

8. Billing and Collection Services (Cont'd)

8.2 Billing Analysis Service

At the request of a customer, the Telephone Company upon reasonable notice and with reasonable effort will provide Billing Analysis Service for detection, investigation and deterrence of billing evasion activities.

The term "billing evasion activities" used herein denotes Message Billing Abuse and/or Network Abuse. Such abuse is the use of an access line (e.g., end user line or trunk, Pay Telephone line or other access line or trunk provided by the Telephone Company) where there is intent to circumvent or evade the proper charges in whole or in part for use of telecommunications services over the access line, or to conceal the points of origin or termination of telecommunications services.

Such activities include bypass or circumvention of Telephone Company billing equipment, unauthorized use of Telephone Company and customer service offerings, and unauthorized use of Telephone Company facilities.

8.2.1 General Description

Billing Analysis Service is the provision of detection, investigation and deterrence of billing evasion activities.

ACCESS SERVICE

8. Billing and Collection Services (Cont'd)

8.2 Billing Analysis Service (Cont'd)

8.2.1 General Description (Cont'd)

Detection is the provision of equipment by the Telephone Company to identify and collect information on Network Abuse. Such equipment may be located in Telephone Company premises or offices or may be attached to access lines.

Investigation is the provision of investigative services to collect evidence to document that billing evasion activities are occurring, prepare reports, preserve evidence and supply expert witness analysis and testimony. Investigation also includes provision of services to coordinate the investigative activities between Exchange Telephone Companies and/or law enforcement agencies.

Deterrence is the contacting and interviewing of parties identified in billing evasion activities, the recovery of devices or materials used in billing evasion activities (where legally permitted), the service review for possible suspension of service over access lines identified in evasion activities and publicity assistance in publicizing billing evasion deterrence.

ACCESS SERVICE

8. Billing and Collection Services (Cont'd)

8.2 Billing Analysis Service (Cont'd)

8.2.2 Undertaking of the Telephone Company

- (A) When Billing Analysis Service is ordered under a Special Order by an authorized Security representative of the customer the Telephone Company will provide any one or all of the services as set forth in (A) through (C) following at rates and charges as set forth in 8.2.7 following.
- (B) Detection Service will be provided for Network Abuse at any central office switch equipped to recognize and record irregular key pulse and multi-frequency signals upon receipt of a Special Order from a customer specifying the central office where detection service is requested. Subject to the agreement of the Telephone Company, special construction for the provision of central office equipment to recognize and record irregular key pulse and multi-frequency signals may be undertaken at the request of the authorized Security representative of the customer to meet the needs of the customer. Such special construction will be provided as set forth in Section 14 of this tariff.

ACCESS SERVICE

8. Billing and Collection Services (Cont'd)

8.2 Billing Analysis Service (Cont'd)

8.2.2 Undertaking of the Telephone Company (Cont'd)

(B) (Cont'd)

- (1) Reports of detection service results will be provided on an office-by-office or line-by-line basis at the request of the authorized Security representative of the customer. On an office-by-office basis, a detection service report of any signal irregularities will be provided for the previous 60 days for all trunks equipped in the office. Alternatively, for an office requested by the customer, a line-by-line continuous scan for current signal irregularities will be provided. When the continuous line-by-line scan is provided, a weekly report of signal irregularities for the office involved will be furnished.
- (2) The detection service reports as set forth in (1) preceding will include, for a signaling irregularity observed, the following: (a) the calling NPA and telephone number (i.e., NXX-XXXX), (b) the called number (i.e., NPA and telephone number recorded by Telephone Company billing equipment) if available, (c) signaling irregularity data, (d) the holding time of the call, if available, and (e) the date of the call, if available. The report will be provided as a paper printout and sent to the authorized Security representative of the customer by registered first class U.S. Mail service. However, an authorized Security representative of the customer may pick up the report at a location designated by the Telephone Company. The 60-day report will be available for mailing or pickup two weeks after the end of the 60-day period. Results of the continuous scan will be provided to the authorized Security representative of the customer by a written report and/or a telephonic report within six working days after the end of the weekly scan.

ACCESS SERVICE

8. Billing and Collection Services (Cont'd)

8.2 Billing Analysis Service (Cont'd)

8.2.2 Undertaking of the Telephone Company (Cont'd)

(C) Investigative Service will be provided by authorized Telephone Company Security personnel upon receipt of a Special Order from an authorized Security representative of the customer specifying the line or lines or billing evasion activity (i.e., Message Billing Abuse and/or Network Abuse) to be investigated. The services provided may include the provision of an identification report, collection of evidence, provision of a detection and documentation scan, preparation of an affidavit and prosecutive summary, preservation of evidence collected, assistance to law enforcement agencies and provision of expert witness analysis and/or testimony, the coordination of billing evasion investigative services and the review of an customer's billing evasion control programs.

(1) Provision of an identification report is the collection by Telephone Company personnel of billing information, party name, party address, service configuration, if any, and the preparation and submission of information pertinent to the customer's service in a report to the authorized Security representative of the customer for each line or billing evasion activity specified by the customer.

ACCESS SERVICE

8. Billing and Collection Services (Cont'd)

8.2 Billing Analysis Service (Cont'd)

8.2.2 Undertaking of the Telephone Company (Cont'd)

(C) (Cont'd)

- (2) Collection of evidence is the gathering of information pertinent to the line, message, or party associated with the billing evasion activity specified by the authorized Security representative of the customer. Collection of evidence includes a written notification to the authorized Security representative of the customer of the results of such gathering efforts. The Telephone Company will determine the information provided in the written notification.
- (3) Subject to the agreement of the Telephone Company, a detection and documentation scan on an individual line will be provided when an authorized Security representative of the customer provides a written request for such a scan. Provision of a detection and documentation scan on an individual line is the continuous scan of a line for irregular signals and when an irregular signal is recognized, the collection by Telephone Company equipment of information to show an irregular signal and use of the line occurred. Any information collected during the continuous scan of a line will be considered the property of the Telephone Company. The Telephone Company will notify the customer of the results of the scan and will permit authorized Security representatives of the customer to review the results. The scan and any associated information will not be provided to any person or entity until the Telephone Company is requested to do so by subpoena or lawful demand. Any out of pocket payments for travel and/or other expenses of Telephone Company personnel will be billed to the customer.
- (4) Preparation of an affidavit and prosecutive summary is the written documentation of the evidence collected by the Telephone Company personnel who performed such activities.

ACCESS SERVICE

8. Billing and Collection Services (Cont'd)

8.2 Billing Analysis Service (Cont'd)

8.2.2 Undertaking of the Telephone Company (Cont'd)

(C) (Cont'd)

- (5) Preservation of evidence is the placement of the collected evidence in a secure location under the control of Telephone Company Security personnel for a period of up to two years. Such preservation of evidence will be continued beyond two years by the Telephone Company when requested by appropriate law enforcement agencies or the authorized Security representative of the customer.
- (6) Assistance to law enforcement is the accompanying of duly authorized law enforcement personnel to a location where billing evasion activities have been determined to exist in order to identify billing evasion activity devices or materials. The Telephone Company personnel will provide such assistance to law enforcement personnel only after law enforcement involvement has been arranged by the customer, or under services as set forth in (10) following. If such assistance is required at locations outside the operating territory of the Telephone Company involved, any out of pocket payments for travel and/or other expenses of Telephone Company personnel will be billed to the customer, except to the extent that such expenses are paid by the judicial system.
- (7) Provision of expert witness analysis is the review, study and other technical support activities provided by Telephone Company experts to analyze and/or document whether devices and materials associated with an investigation furnished by the authorized Security representative of the customer operate, perform or contain billing evasion activities. A written analysis report will be provided to the authorized Security representative of the customer. The expert will be selected by the Telephone Company.

ACCESS SERVICE

8. Billing and Collection Services (Cont'd)

8.2 Billing Analysis Service (Cont'd)

8.2.2 Undertaking of the Telephone Company (Cont'd)

(C) (Cont'd)

- (8) Provision of expert witness testimony is the preparation of testimony and the submission of such testimony in association with an investigation. A copy of the written testimony, if any, will be provided to the authorized Security representative of the customer. The expert witness will be selected by the Telephone Company. Any out of pocket payments for travel and/or other expenses of Telephone Company personnel will be billed to the customer.
- (9) Coordination of billing evasion investigative services between telephone companies is the referral of investigative information to other telephone company Security personnel, provision of billing evasion information to other telephone company Security personnel, the collection of information from other telephone company Security personnel, and the tracking, collecting and reporting of the results of such investigations to the authorized Security representative of the customer.
- (10) Coordination of billing evasion investigative activities of participating law enforcement agencies is the provision of billing evasion information to the law enforcement agencies, the collection of billing evasion information from the law enforcement agencies and the tracking, collecting and reporting of the results of such participation to the authorized Security representative of the customer. This coordination will be provided only upon receipt of written authorization from the authorized Security representative of the customer.
- (11) Review of customer billing evasion deterrence control programs and related activities is advice to and/or training of customer personnel on billing evasion deterrence and preventive controls and the development of billing evasion deterrence and preventive control programs for the customer.

ACCESS SERVICE

8. Billing and Collection Services (Cont'd)8.2 Billing Analysis Service (Cont'd)8.2.2 Undertaking of the Telephone Company (Cont'd)

(C) (Cont'd)

The Telephone Company will, at the request of the customer, provide investigation service on a premium time basis. When investigation service is provided on such a basis, premium time charges apply.

(D) Deterrence services will be provided at any location in the operating territory of the Telephone Company that Telephone Company Security personnel can safely and legally enter. Deterrence services will be provided, at the request of the authorized Security representative of the customer, by written or telephonic notice. A telephone notice received from the authorized Security representative of the customer, must be followed by written confirmation within one day. Deterrence services will be provided only after an investigation service has been provided by the Telephone Company and billing evasion activity is found to warrant such actions. Deterrence service includes the contacting and interviewing of parties identified by the Telephone Company as being involved in billing evasion activities, the recovery of devices and/or materials associated with billing evasion activities, service review for possible suspension of Telephone Company service, and publicity assistance for publicizing billing evasion activity deterrence.

(1) Contacting and interviewing of parties is the written or verbal notification to, or a face-to-face discussion with, a party or parties by Telephone Company Security personnel in order to deter further billing evasion activities. Contacting and interviewing is provided at locations identified by law enforcement agencies, the customer or the Telephone Company.

(2) Recovery of devices or materials is the attempt by Telephone Company Security personnel to recover devices or materials which are used in association with Telephone Company facilities in billing evasion activities. Such recovery is provided at locations identified by the Telephone Company, law enforcement agencies or the customer.

ACCESS SERVICE

8. Billing and Collection Services (Cont'd)8.2 Billing Analysis Service (Cont'd)8.2.2 Undertaking of the Telephone Company (Cont'd)

(D) (Cont'd)

- (3) Service Review for possible suspension of Telephone Company service is the request for authority to suspend service from appropriate Telephone Company officers, notification to the end user that service will be suspended and, after review of the end user response, or lack thereof, suspension of service, if warranted, in the Telephone Company's judgment.
- (4) Publicity assistance for publicizing billing evasion activity deterrence is the provision of information and personnel to aid in publicizing billing evasion activity deterrence. The Telephone Company will determine what information it will provide, if any, and will select the personnel and media, if any, to provide this service.

8.2.3 Liability of the Telephone Company

Notwithstanding Section 2.1.3 preceding, in the absence of gross negligence or willful misconduct, no liability for damages to the customer or other person or entity shall attach to the Telephone Company for its action or the conduct of its employees in providing Billing Analysis Service.

8.2.4 Obligations of the Customer

- (A) The authorized Security representative of the customer shall order all Billing Analysis Service under a Special Order. The authorized Security representative of the customer shall order those Billing Analysis Services it wishes to receive.
- (B) With each order, the customer shall designate and identify its authorized Security representative who will be responsible to protect the information and to whom the Billing Analysis Service information will be provided. The customer shall assure and take every effort to make sure the Billing Analysis Service information is provided to and used only by authorized personnel involved in billing evasion activity matters.

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8. Billing and Collection Services (Cont'd)8.2 Billing Analysis Service (Cont'd)8.2.4 Obligations of the Customer (Cont'd)

- (C) When Billing Analysis Service Investigation is ordered, the authorized Security representative of the customer shall furnish all known details of the billing evasion activities, including the access lines, parties or messages to be investigated, and shall furnish all necessary end user information it possesses to the Telephone Company Security personnel. The specification of the access line, party or message to be investigated shall be in writing by the authorized Security representative of the customer.
- (D) When law enforcement agencies are to be brought into the investigation, the authorized Security representative of the customer shall secure their participation or authorize the Telephone Company in writing to obtain and coordinate such law enforcement agency participation.
- (E) When evidence collected by the Telephone Company is to be produced in connection with a judicial proceeding, the customer shall notify the Telephone Company of such a requirement in a timely manner.
- (F) When the customer requests that service be suspended for unauthorized use, the customer shall furnish a written request authorized by an officer of the customer. The request shall state the reason for the request and tariff, contract or legal provision permitting such suspension and shall correctly identify the end user, the end user telephone number and the location of the end user service to be suspended.
- (G) All inquiries from the customer's end user concerning services provided under this tariff are to be handled by the customer. Any questions to the Telephone Company shall be made by the authorized Security representative of the customer.
- (H) Except as set forth in 8.2.2(D)(4) preceding, publicizing of actions resulting from services provided under this tariff shall be the responsibility of the customer. The customer shall not publicize that the Telephone Company assisted the customer unless the customer has written permission to do so from the Telephone Company.

ACCESS SERVICE

8. Billing and Collection Services (Cont'd)

8.2 Billing Analysis Service (Cont'd)

8.2.4 Obligations of the Customer (Cont'd)

- (I) When the authorized Security representative of the customer orders detection service or a detection and documentation scan of an individual line, it shall specify in writing the offices, lines or parties to be included in the scanning and reports the Telephone Company will provide.
- (J) When provision of expert witness analysis is ordered by the customer, the customer shall be responsible for furnishing the evidence to be analyzed.
- (K) When provision of expert witness testimony is ordered by the customer, the customer shall include the name, if any, of the Telephone Company expert it desires and when and where the testimony is needed.

8.2.5 Payment Arrangements

(A) Minimum Periods

The minimum period for which Billing Analysis detection service continuous scanning is provided and for which charges apply is one week.

(B) Cancellation of a Special Order

A customer may cancel a Special Order for Billing Analysis Service prior to the date the Telephone Company is scheduled to enter the initial order details into its order distribution system, and no charges will apply.

When a customer cancels a Special Order for Billing Analysis Service after the date the Telephone Company is scheduled to enter the initial order details into its order distribution system but prior to the start of service, a charge equal to expenses incurred shall apply.

Start of service occurs when the Telephone Company Security organization receives the order.

ACCESS SERVICE

8. Billing and Collection Services (Cont'd)

8.2 Billing Analysis Service (Cont'd)

8.2.5 Payment Arrangements (Cont'd)

(C) Changes to Special Orders

Customer requested changes to a pending Special Order for Billing Analysis Service will be undertaken if they can be accommodated by the Telephone Company. However, all changes to pending Special Orders for detection service will be considered as a discontinuance of the pending order and the placement of a new order and appropriate charges will apply. Any additional time required on the part of the Telephone Company personnel will be billed to the customer at the appropriate charges.

8.2.6 Rate Regulations

- (A) The charge per report for the 60-day report applies for each report provided to a customer even though no signaling irregularities are found.
- (B) The charge per office per week for continuous scan applies for each week of service even though no signaling irregularities are found.
- (C) The rates for Detection Service and Deterrence Service will be determined on an individual case basis.

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ACCESS SERVICE

8. Billing and Collection Services (Cont'd)

8.2 Billing Analysis Service (Cont'd)

8.2.7 Rates and Charges

Rates

(A) Detection Service

(1) Sixty (60) day report per office,

- per report

ICB

(2) Continuous scan per office,

- per week

ICB

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ACCESS SERVICE

8. Billing and Collection Services (Cont'd)

8.2 Billing Analysis Service (Cont'd)

8.2.7 Rates and Charges (Cont'd)

| | <u>Rates</u> |
|--|--------------|
| (B) Investigative Service | |
| (1) Identification report and collection of evidence, | |
| - per hour | \$50.00 |
| (2) Security preparation of prosecution (to include preparation of prosecutive summary, provision of witness analysis and testimony, law enforcement assistance and coordination services), (Security Personnel) | |
| - per hour | \$75.00 |
| (C) Deterrence Service | |
| - per hour | ICB |

ACCESS SERVICE

8. Billing and Collection Services (Cont'd)

8.3 Billing Information Service

At the request of the customer, the Telephone Company will provide information to the customer from its end user records, billing files and account data base.

8.3.1 General Description

Billing Information Service is the provision of information to the customer from Telephone Company record systems. Such Billing Information Service will be limited to the provision of information to a customer relating exclusively to end user services provided by that customer. Information relating to services provided by any other entity will not be provided.

Information is defined as any entry in the record system which is not listed as proprietary to the Telephone Company. Any entry listed as proprietary to the Telephone Company will not be provided.

8.3.2 Undertaking of the Telephone Company

- (A) When Billing Information Service is ordered by the customer, the Telephone Company will provide information on a request by request basis as follows in (B) through (F) following at the rates and charges as set forth in 8.3.7 following.

ACCESS SERVICE

8. Billing and Collection Services (Cont'd)

8.3 Billing Information Service (Cont'd)

8.3.2 Undertaking of the Telephone Company (Cont'd)

(B) Upon request from a customer, and when the customer has ordered billing and collection service, the Telephone Company will provide information from its records as follows:

- (1) message detail for a message end user
- (2) account detail for a message end user
- (3) service and equipment detail for a message end user.

Message detail is message-billed records in exchange message record (EMR) format.

Account detail is data that furnishes the end user name, billing address and billing parameters other than message detail and/or service and equipment detail.

Service and equipment detail is data associated with the customer's rate elements.

An end user account is an account with customer message billed or bulk-billed detail (for a bill period), established as an end user of the customer's message-billed services.

Message detail, account detail and/or service and equipment detail which is confidential due to legal, national security, end user or other appropriate requirements will not be provided. If the customer requires this information in order to bill its services, it shall secure written permission from the end user to obtain the information from the Telephone Company. The customer shall furnish the Telephone Company the end user's written permission for the information to be released.

(C) Upon request from an authorized supervisor of the customer for end user information when automatic number identification (ANI) service is provided to the customer by the Telephone Company or when the customer offers a telecommunications service for which the billing is based on authorized calling or called parties, the Telephone Company will provide information from its records. Only current information which resides in the data base will be provided.

ACCESS SERVICE

8. Billing and Collection Services (Cont'd)

8.3 Billing Information Service (Cont'd)

8.3.2 Undertaking of the Telephone Company (Cont'd)

- (D) An end user account will not be identified as a customer account unless there are customer message details associated with the account for the bill period for which message detail is ordered by the customer.
- (E) Upon acceptance by the Telephone Company of a Special Order for Billing Information Service from a customer, the Telephone Company will determine the period of time to implement such service on an individual order basis.
- (F) Upon request from an authorized supervisor of the customer who furnishes the account code assigned by the Telephone Company, the Telephone Company will provide name and town information from its records. The name and town data, but not street address, will be provided only when the customer needs the information to authorize a call, to bill a call, or to handle an emergency situation. The information will be provided on a request by request basis by voice telecommunications. Name, town and state will be provided for a telephone number. A request includes the handling of one call and providing the data for one telephone number. End user address information will be provided to the customer by the Telephone Company as defined in 8.3.2(B) preceding.

The Telephone Company will specify the location where requests are to be received and the format in which the request is to be made.

If the name and address associated with the telephone number is restricted due to the request of the end user, legal authority or law enforcement agency, no name or town location will be provided.

At the request of the customer, written confirmation of the name and town location will be sent to the authorized supervisor making the request by first class U.S. Mail service.

ACCESS SERVICE

8. Billing and Collection Services (Cont'd)

8.3 Billing Information Service (Cont'd)

8.3.2 Undertaking of the Telephone Company (Cont'd)

- (G) Where Telephone Company facilities are available Customer Name and Address (CNA) information may be provided on an interrogation basis at the request of the customer. The interrogation basis will permit the customer to access the Telephone Company's office which has the information and, after verification that the information is authorized for the customer's use, receive the end user information. The interrogation capability will be provided during normal Telephone Company business hours. The end user information will be updated after each billing cycle.
- (H) The Telephone Company will, at the request of the customer, mark any message-billed message end user account, other than end user accounts with customer credit cards or rate elements, as a user of the customer's message services. After marking is ordered, the end user account will be marked as a customer end user account at the time the first message is posted to the end user account. If not marked at the request of the customer, such an end user account will not be identified as a customer account unless there are customer message details associated with the account for the bill period for which message detail is ordered by the customer. The mark will be removed at the request of the customer. Charges to mark the account and maintain the mark in future months as set forth in 8.3.7(H) and (I) following apply. Customer bulk-billed end user accounts and message end user accounts with customer credit cards or customer rate elements are counted as customer accounts.

ACCESS SERVICE

8. Billing and Collection Services (Cont'd)

8.3 Billing Information Service (Cont'd)

8.3.2 Undertaking of the Telephone Company (Cont'd)

- (I) Upon acceptance by the Telephone Company of a Special Order for Billing Information Service from a customer, the Telephone Company will determine the period of time to implement such service on an individual order basis.
- (J) Upon request from an authorized supervisor of the customer who furnishes the account code assigned by the Telephone Company, the Telephone Company will provide name and town information from its CNA data. The CNA name and town data, but not street address, will be provided only when the customer needs the information to authorize a call, to bill a call, or to handle an emergency situation. The information will be provided on a request-by-request basis by voice telecommunications. Name, town and state will be provided for a telephone number. A request includes the handling of one call and providing the data for one telephone number.

The Telephone Company will notify the customer of the location where requests are to be received and the format in which the requests are to be made.

If the name and address associated with the telephone number is restricted due to the request of the end user, legal authority or law enforcement agency, no name or town location will be provided.

- (K) If the customer requests the information ordered by the customer be resupplied by the Telephone Company because of incorrect customer specifications or errors, the Telephone Company will resupply the information in accordance with a new customer order and all appropriate charges as set forth in 8.3.7 following will apply.

ACCESS SERVICE

8. Billing and Collection Services (Cont'd)

8.3 Billing Information Service (Cont'd)

8.3.3 Liability of the Telephone Company

Notwithstanding Section 2.1.3 preceding, in the absence of willful misconduct, no liability for damages to the customer or other person or entity shall attach to the Telephone Company for its action or the conduct of its employees in providing Billing Information Service.

8.3.4 Obligations of the Customer

- (A) The customer shall order Billing Information Service under a Special Order. The customer shall order those Billing Information Services for the states where it wishes to receive the services and shall specify how often it wishes the service to be provided.
- (B) With each order, the customer shall identify the authorized individual and address to receive the Billing Information Service output. When billing information service is ordered, the customer will identify in writing and include the account codes assigned by the Telephone Company of all authorized individuals who will contact the Telephone Company for name and town information.
- (C) The customer shall take every effort to make sure that Billing Information Service output and interrogation capability is provided only to authorized personnel. The customer shall agree, in writing to the Telephone Company, that the customer will not provide the Billing Information Service outputs to third parties for use by such third parties except for work for the customer and which is under complete control of the customer.
- (D) The customer shall be responsible for all contacts and inquiries from its end users concerning Billing Information Service.

ACCESS SERVICE

8. Billing and Collection Services (Cont'd)

8.3 Billing Information Service (Cont'd)

8.3.4 Obligations of the IC (Cont'd)

- (E) The customer shall not publicize or represent to others that the Telephone Company jointly participates with the customer in the development of the customer's end user records, accounts, data bases or market data, records, files and data bases or other systems it assembles through the use of Billing Information Service.
- (F) The customer shall furnish to the Telephone Company, when interrogation service is ordered, all information necessary to allow the Telephone Company to establish an interrogation program. In addition, the customer shall furnish the Telephone Company an estimate of the number of requests per business day that the Telephone Company will be asked to handle.

8.3.5 Payment Arrangements

(A) Cancellation of a Special Order

A customer may cancel a Special Order for Billing Information Service prior to the date the Telephone Company is scheduled to enter the initial order details into its order distribution system and no charges will apply.

When a customer cancels a Special Order for Billing Information Service after the date the Telephone Company is scheduled to enter the initial order details into its order distribution system but prior to the start of service, charges as listed following shall apply:

- (1) For any service, the appropriate per hour rate for all hours expended by the Telephone Company to provide the service.
- (2) For any service, any expense for equipment obtained for the service where such equipment cannot be reused within six months.

Start of service occurs when the Telephone Company notifies the customer that the Telephone Company is ready to provide Billing Information Service reports.

ACCESS SERVICE

8. Billing and Collection Services (Cont'd)8.3 Billing Information Service (Cont'd)8.3.5 Payment Arrangements (Cont'd)(B) Changes to Special Orders

When a customer requests changes for a pending Special Order for Billing Information Service, they will be undertaken if they can be accommodated by the Telephone Company. Any additional time required on the part of the Telephone Company personnel will be billed to the customer at the appropriate hourly charges.

(C) Minimum Periods and Minimum Monthly Charges

The minimum period for which Billing Information Service is provided and for which charges apply is one year.

The minimum monthly charges for interrogation are the charges for the total number of requests per business day furnished by the customer or set forth in 8.3.4(G) preceding times 18 (i.e., 20 business days per month times 0.9).

When the customer discontinues the service prior to the end of the one-year minimum period, the minimum monthly charge for the data base interrogation will apply for each remaining month and fraction of month.

8.3.6 Rate Regulations

- (A) The number and type of records for which charges apply as set forth in 8.3.7 following will be accumulated by the Telephone Company and the Telephone Company will bill the customer in accordance with these accumulations. A record is a logical grouping of information as described in the programs that process the information, print the paper output, and load the magnetic tape or data file used to supply the detail which is transferred or data-transmitted. For each service and type of output ordered, the number of records processed by the Telephone Company to prepare the output will be used to determine the charges. The number of records processed will be determined using the number of records input to or the number of records output from the programs that process the information, print the paper output and load the magnetic tape or data file, whichever number of records is higher.

ACCESS SERVICE

8. Billing and Collection Services (Cont'd)

8.3 Billing Information Service (Cont'd)

8.3.6 Rate Regulations (Cont'd)

- (B) The number of hours and fraction thereof for which charges apply as set forth in 8.3.7 following will be accumulated by the Telephone Company. The per hour rate is for the use of one hour of one Telephone Company programmer. The Telephone Company will bill the customer for hourly charges in accordance with these accumulations. The accumulated hours for each order will be summed and rounded to the nearest hour, except that when the total is less than one hour, one hour will be used to determine the charges.
- (C) When a CNA request is received, the Telephone Company will keep a count of the requests. The Telephone Company will bill the customer in accordance with these records even though the Telephone Company was not able to provide a name and town location for all requests.
- (D) When records are entered on a data file or magnetic tape in order to provide information to a customer, the per tape charge applies for each data file or tape prepared. In addition, the per record charge applies for each record entered on the data file or tape. The Telephone Company will determine the charges based on the number of data files or tapes prepared and on its count of the records entered on the data file or tape.
- (E) When marking of message end user accounts is ordered, the marking charge applies for each end user account marked. Once an account is marked, the maintenance of mark charge applies for each month following the month the account is marked until the customer requests the mark be removed. No charges apply to remove the mark.

ACCESS SERVICE

8. Billing and Collection Services (Cont'd)

8.3 Billing Information Service (Cont'd)

8.3.7 Rates and Charges

| | <u>Rates</u> |
|--|--------------|
| (A) Transferring of billing information service details to a location designated by the customer | |
| - per record transferred | ICB |
| (B) Data transmission of billing information service details to a location designated by the customer | |
| - per record transmitted | ICB |
| (C) Program Development charge Basic, per hour (Applicable to work performed within the Telephone Company's normal work schedule and using the normal work force) | ICB |
| (D) Program Development charge Premium, per hour (Applicable to work performed outside the Telephone Company's normal work schedule and/or requires additions to the work force) | ICB |

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8. Billing and Collection Services (Cont'd)

8.3 Billing Information Service (Cont'd)

8.3.7 Rates and Charges (Cont'd)

| | <u>Nonrecurring Charges</u> |
|--|---------------------------------|
| (E) CNA Information Service, CNA interrogation, - per telephone number | ICB |
| (F) CNA Information Service, CNA Confirmation - per request | ICB |
| (G) Provision of CNA Listing | ICB |
| (H) Marking of Message End User Accounts - Marking, per end user account | ICB |
| (I) Marking of Message End User Accounts - maintenance of mark, per end user account , per month | ICB |

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ACCESS SERVICE

8. Billing and Collection Services (Cont'd)

8.4 Program Development Charges

8.4.1 Rate Regulations

The basic per hour rate and the premium per hour rate for program development is for the use of one hour of one Telephone Company programmer's time.

The Telephone Company will keep a count of the hours and fraction thereof used by Telephone Company personnel to provide program development and will bill the customer in accordance with these records. The hours for each service ordered will be summed and then rounded to the nearest hour, except that when the total is less than one hour, one hour will be used to determine the charge.

ACCESS SERVICE

8. Billing and Collection Services (Cont'd)

8.4 Program Development Charges (Cont'd)

8.4.2 Rates and Charges

Rates

- (A) Retention of records under order
 - per order per month ICB
- (B) End User Account activity, special order charge to receive end user account data
 - per special order ICB
- (C) Program development charge, Basic per hour (Applicable to work performed within the Telephone Company's normal work schedule and using the normal work force.) ICB
- (D) Program development charge, Premium, per hour (Applicable to work performed outside the Telephone Company's normal work schedule and/or which requires additions to the work force.) ICB

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Advice No. WA 10-21A
Issued: May 27, 2010
Issued By: United Telephone Company of the Northwest

Effective: May 28, 2010

ACCESS SERVICE

10. Special Federal Government Access Services10.1 General

This section covers Special Access Services that are provided to a customer for use only by agencies or branches of the Federal Government and other users authorized by the Federal Government. Services provided to state emergency operations centers are included. These services provide for command and control communications, including communications for national security, emergency preparedness and presidential requirements. They are required to assure continuity of Government in emergency and crisis situations and to provide for national security.

Services for command and control communications and for national security and emergency preparedness sometimes require short notice and short duration service provisions. These provisions are especially needed to meet presidential requirements or in response to natural, man-made, or declared emergencies. Requirements of this type cannot be forecasted and are usually needed for a relatively short period. The provision of service under these conditions may require the availability of facilities, such as portable microwave equipment, which are provided on a temporary basis by the Telephone Company or customer.

10.2 Emergency Conditions

These services will be provided on the date requested or as soon as possible thereafter when the emergency falls into one of the following categories:

- State of crisis declared by the National Command Authorities (includes commitments made to the National Communications System in the "National Plan for Emergencies and Major Disasters").

ACCESS SERVICE

10. Special Federal Government Access Services (Cont'd)

10.2 Emergency Conditions (Cont'd)

- Efforts to protect endangered U.S. personnel or property both in the U.S. and abroad. (Includes space vehicle recovery and protection efforts.)
- Communications requirements resulting from hostile action, a major disaster or a major civil disturbance.
- The director (Cabinet level) of a Federal department, Commander of a Unified/Specified Command, or head of a Military department has certified that a communications requirement is so critical to the protection of life and property or to the National Defense that it must be processed immediately.
- Political unrest in foreign countries which affect the national interest.
- Presidential service.

10.3 Intervals to Provide Service

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

10.4 Safeguarding of Service

10.4.1 Facility Availability

In order to insure communications during period of emergency, the Telephone Company will, within the limits of good management, make available the necessary facilities to restore service in the event of damage or to provide temporary emergency service.

In order to meet the requirements of agencies or branches of the Federal Government, the Telephone Company may utilize government-owned facilities, when necessary to provide service.

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ACCESS SERVICE

10. Special Federal Government Access Services (Cont'd)

10.5 Federal Government Regulations

In accordance with Federal Government Regulations, all service provided to the Federal Government will be billed in arrears. However, this provision does not apply to other customers that obtain services under the provisions of this tariff to provide their services to the Federal Government.

10.6 Service Offerings to the Federal Government

The following services are provided to a customer for use only by agencies or branches of the Federal Government, other authorized users and state emergency operations centers. The rates and charges for these services shall be developed on an individual case basis and shall be consistent with the rates and charges for services offered in other sections of this tariff.

ACCESS SERVICE

10. Special Federal Government Access Services (Cont'd)

10.6 Service Offerings to the Federal Government (Cont'd)

10.6.1 Type and Description

(A) Voice Grade Special Access Services

(1) Voice Grade Secure Communications Type I

Approximate bandwidth of 10-50,000 Hertz. Furnished for two-point secure communications on two-wire or four-wire metallic facilities between a customer premises location and an end user's premises. Services are conditioned as follows:

T-3 Conditioning - The absolute loss (referenced to 1 milliwatt) with respect to frequency shall not exceed:

15 dB at 10 Hz
13 dB at 100 Hz
9 dB at 1,000 Hz
20 dB at 10,000 Hz
30 dB at 50,000 Hz

Additional conditioning (available in one or two directions on four-wire facilities only) to provide the following characteristics:

The absolute loss (referenced to one milliwatt) with respect to frequency shall not exceed:

0 dB at 1,000 Hz
± 1 dB between 1,000 Hz and 40,000 Hz
± 2 dB between 10 Hz and 50,000 Hz
(+ means more loss)

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

ACCESS SERVICE

10. Special Federal Government Access Services (Cont'd)

10.6 Service Offerings to the Federal Government (Cont'd)

10.6.1 Type and Description (Cont'd)

(A) Voice Grade Special Access Services (Cont'd)

(2) Voice Grade Secure Communications Type II

Approximate bandwidth 10-50,000 Hz. Furnished on four-wire metallic facilities for duplex operation for two-point secure communication between a customer premises on an end user's premises and an end user's premises. Services are conditioned as follows:

G-1 Conditioning - The absolute loss with respect to frequency and the net loss variation shall be the same as Voice Grade Secure Communications Type I services without additional conditioning. Voice frequency signaling or supervisory tones can be transmitted.

(3) Voice Grade Secure Communications Type III

Approximate bandwidth 10-50,000 Hz. Furnished on four-wire metallic facilities for duplex operation for two-point secure communication between a customer premise switch and an end user's premises. Services are conditioned as follows:

G-2 Conditioning - The absolute loss with respect to frequency and the net loss variation from the switch to an end user's premises shall be the same as Voice Grade Secure Communications Type I services without additional conditioning; from an end user's premises to the switch shall be the same as Voice Grade Secure Communications Type I services with additional conditioning. Voice frequency signaling or supervisory tones can be transmitted.

ACCESS SERVICE

10. Special Federal Government Access Services (Cont'd)

10.6 Service Offerings to the Federal Government (Cont'd)

10.6.1 Type and Description (Cont'd)

(A) Voice Grade Special Access Services (Cont'd)

(4) Voice Grade Secure Communications Type IV

Approximate bandwidth 10-50,000 Hz. Furnished on four-wire metallic facilities for duplex operation for two-point secure communication between two customer premises switches. Services are conditioned as follows:

G-3 Conditioning - The absolute loss with respect to frequency and the net loss variation shall be the same in both directions of transmission as Voice Grade Secure Communications Type I services with additional conditioning. Voice frequency signaling or supervisory tones can be transmitted.

ACCESS SERVICE

10. Special Federal Government Access Services (Cont'd)

10.6 Service Offerings to the Federal Government (Cont'd)

10.6.2 Mileage Application

Mileage, when used for rate application between two customer premises, shall be determined by the V and H Coordinates Method as set forth in National Exchange Carrier Association Tariff, Inc. F.C.C. No. 4 and administered as set forth in Section 7.4.3 preceding.

10.6.3 Rates and Charges

(A) Voice Grade Special Access Service

The provision of T-3 and G conditioned services contemplates station and tandem switching operations, using customer provided equipment, as well as Special Access Service. Voice grade services, where required by the customer provided equipment or switching operation, are furnished in accordance with the applicable sections of this tariff.

ACCESS SERVICE

10. Special Federal Government Access Services (Cont'd)

10.6 Service Offerings to the Federal Government (Cont'd)

10.6.3 Rates and Charges (Cont'd)

(A) Voice Grade Special Access Service (Cont'd)

| <u>Voice Grade Secure Communications</u> | <u>Monthly Rates</u> | <u>Nonrecurring Charges</u> | <u>Termination Charges</u> |
|--|----------------------|-----------------------------|----------------------------|
| Type I, each T-3 Conditioning | ICB | ICB | ICB |
| Add'l. Conditioning, per service. termination | ICB | ICB | ICB |
| Type II, each G-1 Conditioning | ICB | ICB | ICB |
| Type III, each G-2 Conditioning | ICB | ICB | ICB |
| Add'l Conditioning, per service termination | ICB | ICB | ICB |
| Type IV, each G-3 Conditioning | ICB | ICB | ICB |
| Add'l Conditioning, per service termination | ICB | ICB | ICB |

ACCESS SERVICE

10. Special Federal Government Access Services (Cont'd)

10.6 Service Offerings to the Federal Government (Cont'd)

10.6.3 Rates and Charges (Cont'd)

(B) Move Charges

- (1) When service without a maximum termination liability associated with it, as set forth in (A) preceding, is moved to a different building, the nonrecurring charge applies; when moved to a new location in the same building, a charge of one-half the nonrecurring charge applies.
- (2) When service with a maximum termination liability associated with it, as set forth in (A) preceding, is moved and is reinstalled at a new location, the customer may elect:
 - to pay the unexpired portion of the maximum termination liability for the service, if any, with the application of a nonrecurring charge and the establishment of a new maximum termination liability for such service at the new location, or
 - to continue service subject to the unexpired portion of the maximum termination liability, if any, and pay the estimated costs of moving such service, provided that the customer requests these charges be quoted prior to ordering the service move. Charges for moving such service will be based on estimated costs attributable to the move.

Move charges include the estimated costs of removal, restoration of services or facilities necessitated by the move, transportation, storage, reinstallation, engineering, labor, supervision, materials, administration, and any other specific items of cost directly attributable to the move.

ACCESS SERVICE

11. Special Facilities Routing of Access Services

11.1 Description of Special Facilities Routing of Access Services

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

11.1.1 Diversity

Two or more services must be provided over not more than two different physical routes.

11.1.2 Avoidance

A service must be provided on a route which avoids specified geographical locations.

11.1.3 Cable-Only Facilities

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

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

Avoidance and Diversity are available on Switched Access Service as set forth in Section 6 preceding; and Voice Grade Special Access Services as set forth in Section 7.2.1 preceding and Special Federal Government Access Services as set forth in Section 10.6 preceding. Cable-Only Facilities are available with Switched Access Service as set forth in Section 6 preceding; Voice Grade Special Access Services as set forth in Section 7.2.1 preceding and Special Federal Government Access Services as set forth in Section 10.6 preceding.

ACCESS SERVICE

11. Special Facilities Routing of Access Services (Cont'd)

11.1 Description of Special Facilities Routing of Access Services (Cont'd)

In order to avoid the compromise of special routing Information, the Telephone Company will provide the required routing information for each special routed service to only the ordering customer. If requested by the customer, this information will be provided when service is installed and prior to any subsequent changes in routing.

The offering of Special Facilities Routing of Access Services Contemplates the use of existing facilities. Should facilities not be available, it may be necessary to construct such facilities, either as (1) normal or (2) Special Construction.

If Special Construction is involved, the regulations, as set forth in Section 14 following apply. However, the applicable rates and charges shall be filed in this section of this tariff, not in the Special Construction section. In either case of (1) or (2) preceding, the rates and charges for administration and any other specific items of cost directly attributable to the provision of this service shall be filed in this section also.

The rates and charges for Special Facilities Routing of Access Services as set forth in 11.2 following are in addition to all other rates and charges that may be applicable for services provided under other sections of this tariff.

11.2 Rates and Charges for Special Facilities Routing of Access Service

The rates and charges for Special Facilities Routing of Access Services are as follows:

11.2.1 Diversity

For each service provided in accordance with 11.1.1 preceding, the rates and charges will be developed on an individual case basis and filed following:

ACCESS SERVICE

11. Special Facilities Routing of Access Services (Cont'd)

11.2 Rates and Charges for Special Facilities Routing of Access Service (Cont'd)

11.2.2 Avoidance

For each service provided in accordance with 11.1.2 preceding, the rates and charges will be developed on an individual case basis and filed following:

11.2.3 Diversity and Avoidance Combined

For each service provided in accordance with 11.1.1 and 11.1.2 preceding, combined, the rates and charges will be developed on an individual case basis and filed following:

11.2.4 Cable-Only Facilities

For each service provided in accordance with 11.1.3 preceding, the rates and charges will be developed on an individual case basis and filed following:

ACCESS SERVICE

12. Specialized Services or Arrangements12.1 General

Specialized Services or Arrangements may be provided by the Telephone Company, at the request of a customer, on an individual case basis if such service or arrangements meet the following criteria:

- (A) The requested service or arrangements are not offered under other sections of this tariff.
- (B) The facilities utilized to provide the requested service or arrangements are of a type normally used by the Telephone Company in furnishing its other services.
- (C) The requested service or arrangements are provided within an exchange.
- (D) The requested service or arrangements are compatible with other Telephone Company services, facilities, and its engineering and maintenance practices.
- (E) This offering is subject to the availability of the necessary Telephone Company personnel and capital resources.

12.2 Move Charges

- (A) When service without a maximum termination liability charge associated with it is moved to a different building, the nonrecurring charge applies; when moved to a new location in the same building, a charge of one-half the nonrecurring charge applies.
- (B) When service with a maximum termination liability charge associated with it is moved and is reinstalled at a new location, the customer may elect:
 - to pay the unexpired portion of the maximum termination liability charge for the service, if any, with the application of a non-recurring charge and the establishment of a new maximum termination liability charge for such service at the new location, or
 - to continue service subject to the unexpired portion of the maximum termination liability charge, if any, and pay the estimated costs of moving such service, provided that the customer requests these charges be quoted prior to ordering the service move. Charges for moving such service will be based on estimated costs attributable to the move.

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ACCESS SERVICE

12. Specialized Services or Arrangements (Cont'd)

12.2 Move Charges (Cont'd)

(B) (Cont'd)

Move charges include the estimated costs of removal, restoration of services or facilities necessitated by the move, transportation, storage, reinstallation, engineering, labor, supervision, materials, administration, and any other specific items of cost directly attributable to the move.

12.3 Rates and Charges

Rates and charges, and additional regulations if applicable, for specialized service or arrangements provided on an individual case basis are filed following:

(None)

ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services

In this section normally scheduled working hours are an employee's scheduled work period in any given calendar day (e.g., 7:00 a.m. to 4:00 p.m.) for the application of rates based on working hours.

13.1 Additional Engineering

Additional Engineering will be provided by the Telephone Company at the request of the customer only when:

- (A) A customer requests additional technical information after the Telephone Company has already provided the technical information normally included on the Design Layout Report (DLR) as set forth in Sections 6.1.5 and 7.1.6 preceding.
- (B) Additional engineering time is incurred by the Telephone Company to engineer a customer's request for a customized service as set forth in Section 7.2 preceding.
- (C) A customer requests a design change, additional engineering time is incurred by the Telephone Company for the engineering review as set forth in Section 5.2.2 preceding. The charge for additional engineering will apply whether or not the customer authorizes the Telephone Company to proceed with the design change.

The Telephone Company will notify the customer that additional engineering charges, as set forth in 13.1.1 following, will apply before any additional engineering is undertaken.

ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.1 Additional Engineering (Cont'd)

13.1.1 Charges for Additional Engineering

The charges for Additional Engineering are as follows:

| <u>Additional Engineering Periods</u> | <u>First Half Hour or Fraction Thereof</u> | <u>Additional Half Hour or Fraction Thereof</u> |
|---|--|---|
| (A) Basic Time, normally scheduled working hours, per engineer | \$39.23 | \$13.08 |
| (B) Overtime outside of normally scheduled working hours, per engineer | \$43.57 | \$17.42 |

13.2 Additional Labor

Additional labor is that labor requested by the customer on a given service and agreed to by the Telephone Company as set forth in 13.2.1 through 13.2.5 following. The Telephone Company will notify the customer that additional labor charges as set forth in 13.2.6 following will apply before any additional labor is undertaken.

ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.2 Additional Labor (Cont'd)

13.2.1 Overtime Installation

Overtime installation is that Telephone Company installation effort performed outside of the Telephone Company's normally scheduled business day.

13.2.2 Overtime Repair

Overtime repair is that Telephone Company maintenance effort performed outside of the Telephone Company's normally scheduled business day.

13.2.3 Stand By

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

13.2.4 Testing and Maintenance with Other Telephone Companies

Testing and Maintenance with Other Telephone Companies is that additional testing, maintenance or repair of facilities which connect to facilities of other telephone companies, which is in addition to normal effort required to test, maintain or repair facilities provided solely by the Telephone Company.

13.2.5 Other Labor

Other labor is that additional labor not included in 13.2.1 through 13.2.4 preceding and labor incurred to accommodate a specific customer request that involves only labor which is not covered by any other section of this tariff.

ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.2 Additional Labor (Cont'd)

13.2.6 Charges for Additional Labor

| <u>Additional Engineering Periods</u> | <u>First Half Hour or Fraction Thereof</u> | <u>Additional Half Hour or Fraction Thereof</u> |
|--|--|---|
| (A) Basic Time, normally scheduled working hours, per technician | \$43.63* | \$17.48* |
| (B) Overtime, outside of normally scheduled working hours, on a scheduled work day, per technician | \$47.62* | \$21.47* |

* A call out of a Telephone Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of three hours.

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ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.2 Additional Labor (Cont'd)

13.2.6 Charges for Additional Labor (Cont'd)

| <u>Additional Engineering Periods</u> | <u>First Half Hour or Fraction Thereof</u> | <u>Additional Half Hour or Fraction Thereof</u> |
|--|--|---|
| (C) Premium time, outside of scheduled work day, per technician | \$51.60* | \$25.45* |

* A call out of a Telephone Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of three hours.

ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services

13.3.1 Maintenance of Service

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

In either (A) or (B) preceding, no credit allowance will be applicable for the interruption involved if the Maintenance of Service charge applies.

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ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.1 Maintenance of Service (Cont'd)

(C) The charges for Maintenance of Service are as follows:

| <u>Maintenance of Service Periods</u> | <u>First Half Hour or Fraction Thereof</u> | <u>Additional Half Hour or Fraction Thereof</u> |
|---|--|---|
| Basic Time, normally scheduled working hours, per technician | \$47.94 | \$21.79 |
| Overtime, outside of normally scheduled working hours on a scheduled work day, per technician | \$51.93* | \$25.78* |

* A call-out of a Telephone Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of three hours.

ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.1 Maintenance of Service (Cont'd)

(C) (Cont'd)

| <u>Maintenance of Service Periods</u> | <u>First Half Hour or Fraction Thereof</u> | <u>Additional Half Hour or Fraction Thereof</u> |
|--|--|---|
| Premium Time, outside of scheduled work day, per technician | \$55.91* | \$29.76* |

13.3.2 Restoration Priority**

The Telephone Company will arrange a Special Access Service for Restoration Priority on receipt of certification in conformance with Part 64, Subpart D, Appendix A of the Federal Communication Commission's Rules and Regulations. A charge applies when a request to provide or change a Restoration Priority is received subsequent to the issuance of an Access Order to install the service. No charge applies when a Restoration Priority is discontinued.

| | <u>Nonrecurring Charge</u> |
|---|----------------------------|
| Restoration priority, per service arranged | \$38.03 |

* A call-out of a Telephone Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of three hours.

** Pursuant to the provisions set forth in the National Communications System's Telecommunications Service Priority Service Vendor Handbook (NCS Handbook 3-1-2) and in compliance with Part 64.401, Appendix A, of the Commission's Rules, the rates and regulations for the provisions of Restoration Priority will expire March 13, 1993.

ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.3 Presubscription

- (A) Presubscription is a procedure whereby an end user# may select and designate to the Telephone Company an Interexchange Carrier (IC) to access, without dialing an access code, for intrastate interLATA and intraLATA calls. The end user may select one (1) IC for both intraLATA and interLATA calls or they may select one (1) for interLATA calls and a different IC or the Telephone Company for intraLATA calls. The selected IC is referred to as the end user's primary interexchange carrier (PIC).

The presubscription procedure also allows the agent* representing a pay telephone to select and designate to the Telephone Company an IC to access, without dialing an access code, for intrastate interLATA calls and intrastate intraLATA calls.

- (B) Presubscription of residence and business lines and/or trunks is furnished in accordance with the detailed provisions of the Federal Communications Commission's Allocation Plan. The plan with all appendices is available for inspection at the main building of the Federal Communications Commission in the Public Reference Room of the Tariff Division. Copies may be obtained from the Federal Communications Commission's Commercial Contractor.

The same detailed provisions also apply to public pay telephone presubscription for end offices converting to equal access.

For the purposes of this section, the term end user also includes Competitive Local Exchange Carriers (CLECs) that are certified to resell local exchange telecommunications services.

* An agent is the person or persons who have the legal authority to give the Telephone Company permission to place public pay telephones on their premises and who control access to or usage of the pay telephone.

ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13. Miscellaneous Services (Cont'd)

13.3.3 Presubscription (Cont'd)

(C) Presubscription Charge Application

- (1) New end users or agent, who will be served by end offices equipped with equal access, will be asked to select a primary IC for both intraLATA and interLATA calls or select one (1) IC for their interLATA calls and a different IC or the Telephone Company for intraLATA calls at the time they place an order with the Telephone Company for Telephone Exchange Service. A confirming notice will be mailed to the new end user or agent when an IC is verbally chosen.

New end users or agents will be offered a list of carriers to aid in their selection of a primary IC. There will be no charge for this initial selection.

After the end user's or agent's initial primary IC selection, for any change thereafter, a charge, as set forth in (E) following, applies.

ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.3 Presubscription (Cont'd)

(C) Presubscription Charge Application (Cont'd)

- (2) End users or agents may designate that they do not want a primary IC. This choice is considered a valid selection and a Presubscription Charge will apply to any subsequent change. This "no primary IC" designation is not available to public pay telephone agents.
- (3) Should an IC elect to discontinue Feature Group D service in an end office converting to equal access prior to the conversion date, or within two (2) years after the introduction of Feature Group D in the converted end office, the IC shall contact in writing all end users or agents who selected, or were allocated to, the cancelling IC as their designated IC. Such written notification must advise these end users or agents of the IC cancellation, request that the end users or agents select a new IC, and state that the cancelling IC will pay the Change Charge.

For a period of two (2) years following the IC's discontinuance of Feature Group D service, the Telephone Company will bill the cancelling IC the Change Charge for each end user or agent that is currently designated to the IC at the time of discontinuance.

ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.3 Presubscription (Cont'd)

(C) Presubscription Charge Application (Cont'd)

- (4) The Telephone Company will make post conversion changes in the end user's or agent's PIC assignment pursuant to an IC provided list of customers, accepted by the Telephone Company under the conditions set forth preceding. Should an end user or agent dispute authorization of the change in PIC assignment, the Telephone Company will place the end user or agent on the previous carrier's network where possible and the carrier will be billed in accordance with 13.3.3(D) following.

(D) Unauthorized PIC Carrier Restoral

An Unauthorized PIC Carrier Restoral is a change in the preferred PIC assignment that the end user or agent denies authorizing. If an end user or agent denies requesting the change in PIC assignment as submitted by the IC, the alleged unauthorized IC will be assessed the PIC change charge as set forth in 13.3.3(E) for the following:

- Changing the end user or agent to the disputed IC, and;
- Placing the end user or agent back on their previous IC's network.

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ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.3 Presubscription (Cont'd)

(E) The nonrecurring charge for a change in InterLATA/IntraLATA
Presubscription is as follows:

| | <u>Nonrecurring Charge</u> |
|-------------------|----------------------------|
| Per line or trunk | \$5.00* |

* This charge is billed to the end user or agent which is the subscriber to the Telephone Exchange Service except as set forth in (C)(3) and(4) preceding or in situations when such charges would be billed to an IC.

ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.4 Testing Services

Testing Services offered under this section of the tariff are optional and subject to rates and charges as set forth in 13.3.4(C) following. Other testing services provided by the Telephone Company in association with Access Services are furnished at no additional charge. These other testing services are described in Sections 6.1.6 and 7.1.7 preceding.

Testing services are normally provided by Telephone Company personnel at Telephone Company locations. However, provisions are made in (A)(3), (A)(4), (B)(2), and (B)(3) following for a customer to request Telephone Company personnel to perform testing services at the customer's premises.

ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.3 Miscellaneous Charges (Cont'd)13.3.4 Testing Services (Cont'd)

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

(A) Switched Access Service

Testing Services for Switched Access are comprised of (a) tests which are performed during the installation of a Switched Access Service, i.e., Acceptance Tests, (b) tests which are performed after acceptance of such access services by a customer which are without charge, i.e., In-Service Testing and (c) tests which are performed during or after acceptance of such access services by a customer for which additional charges apply, i.e., Additional Tests.

Acceptance Tests, furnished to the customer at no additional charge, are those tests performed by the Telephone Company at the time of installation, as set forth in Section 6.1.6 preceding, which are required to establish switched access service.

In-Service Tests, furnished to the customer at no additional charge are those tests performed by the Telephone Company at the request of the customer and may be done on an automatic basis (no Telephone Company or customer technicians involved), cooperative basis (Telephone Company technician(s) involved at Telephone Company office(s) and customer technician involved at customer's premises), or manual basis (Telephone Company technician(s) involved at Telephone Company office(s) and at customer's premises). Additional Testing of switched access services are subject to the charges set forth in section (C) following.

Testing services are ordered to the dial tone office for FGA, to the access tandem end office for the FGB service (wherever the FGB service is ordered), and to the end office for FGC and FGD services. Testing Services for directory assistance service not routed through an access tandem is ordered to a directory assistance location for each NPA.

ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.3 Miscellaneous Services (Cont'd)13.3.4 Testing Services (Cont'd)(A) Switched Access Service (Cont'd)(1) Additional Automatic Testing (AAT)

Additional Automatic Testing (AAT) of switched access service (Feature Groups B, C and D), is a service where the customer provides remote office test lines and 105 test lines with associated responders or their functional equivalent. The customer may request, on a per test basis, gain-slope and c-notched noise testing as well as the routine tests (loss, c-message notice and balance) on an as needed or more than routine schedule subject to the availability of test equipment necessary to perform AAT tests.

(2) Additional Cooperative Testing (ACT)

Additional Cooperative Testing (ACT) of switched access services (Feature Groups A, B, C and D, and directory assistance service not routed through an access tandem), is available when the Telephone Company provides a technician at its office(s) and the customer provides a technician at its premises, with suitable test equipment to perform the required tests. The customer may request, on a per test basis, gain-slope and c-notched noise testing, as well as the routine tests (loss, c-message noise, and balance) on an as needed or more than routing schedule.

ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.4 Testing Services (Cont'd)

(A) Switched Access Service (Cont'd)

(3) Additional Manual Testing (AMT)

Additional Manual Testing (AMT) of switched access services (Feature Groups A, B, C, and D and directory assistance service is not routed through an access tandem), is available when the Telephone Company provides a technician at its office(s) and at the customer's premises. The customer may request Additional Manual Tests on a per half hour, per technician basis, for gain-slope, c-notched noise as well as In-Service tests (loss, c-message noise, and balance) on an as needed or more than routine basis.

(4) Miscellaneous Additional Testing (MAT)

Miscellaneous Additional Testing of switched access services (Feature Groups A, B, C, D, and directory assistance service not routed through an access tandem) ordered on an Automatic, Cooperative, or Manual basis will consist of any test the customer may request, that is not expressly described in (1) through (3) preceding, subject to the availability of the necessary qualified personnel and test equipment required to perform the requested test(s). Miscellaneous Additional Testing will be provided on a per half hour, per technician basis.

ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.3 Miscellaneous Services (Cont'd)13.3.4 Testing Services (Cont'd)(A) Switched Access Service (Cont'd)(5) Obligations of the Customer

- (a) When the customer subscribes to Testing Services, as set forth in this section, the customer shall provide the remote office line priming data to the Telephone Company, as appropriate to support In-Service Testing or AAT as set forth in Section 6.1.6 preceding.
- (b) The customer shall also make the facilities to be tested available to the Telephone Company at times mutually agreed upon.

(B) Special Access Service

Testing Services for special access services are comprised of tests which are performed during the installation of a special access service, i.e., Acceptance Tests and tests which are performed during or after acceptance of such access services by a customer for which additional charges apply, i.e., Additional Tests.

Acceptance Testing, furnished to the customer at no additional charge, are those tests performed by the Telephone Company at the time of installation, as set forth in Section 7.1.7 preceding, which are required to establish service.

Additional Tests, as set forth in (1) and (2) following, are those tests performed by the Telephone Company at the request of the customer and may be done on a cooperative basis (Telephone Company technician(s) involved at Telephone Company office(s) and customer technician(s) involved at customer's premises), or manual basis (Telephone Company technician(s) involved at Telephone Company office(s) and at customer's premises). Additional testing of special access services are subject to the charges as set forth in section (C) following.

ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.3 Miscellaneous Services (Cont'd)13.3.4 Testing Services (Cont'd)(B) Special Access Service (Cont'd)(1) Additional Cooperative Testing (ACT)

When a customer provides a technician at its premises, or at an end user's premises, with suitable test equipment to perform the required tests, the Telephone Company will provide a technician at its office for the purpose of conducting Additional Cooperative Testing on Voice Grade Services. These tests may, e.g., consist of the following:

- Attenuation Distortion (i.e., frequency response)
- Intermodulation Distortion (i.e., harmonic distortion)
- Phase Jitter
- Impulse Noise
- Envelope Delay Distortion
- Frequency Shift
- Echo Control

(2) Additional Manual Testing (AMT)

When the Telephone Company provides a technician(s) at its office and the Telephone Company provides technician(s) at the customers premise or at the end user's premises, Additional Manual Tests may be conducted. These test may consist of the following:

- Attenuation Distortion (i.e., frequency response)
- Intermodulation Distortion (i.e., harmonic distortion)
- Phase Jitter
- Impulse Noise
- Envelope Delay of Distortion
- Frequency Shift
- Echo Control

ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.4 Testing Services (Cont'd)

(B) Special Access Service (Cont'd)

(3) Miscellaneous Additional Testing (MAT)

Miscellaneous Additional Testing of special access service ordered on an Cooperative, or Manual basis will consist of any test the customer may request, that is not expressly described in (1) or (2) preceding, subject to the availability of the necessary qualified personnel and test equipment required to perform the requested test. Miscellaneous Additional Testing will be provided on a per half hour, per technician basis.

(4) Obligations to the Customer

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

ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.4 Testing Services (Cont'd)

(C) Rates and Charges (Cont'd)

(1) Switched Access (Cont'd)

(a) Additional Automatic Testing

The Additional Automatic Tests, as set forth following, may be ordered by the customer, at additional charges, 60 days prior to the start of the customer's prescribed schedule.

| <u>Additional Tests</u> | <u>Per Test, Per Transmission Path</u> |
|-------------------------|--|
| 1004 Hz loss | ICB |
| C-Message Noise | ICB |
| Balance (return loss) | ICB |
| Gain-Slope | ICB |
| C-Notched Noise | ICB |

ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.4 Testing Services (Cont'd)

(C) Rates and Charges (Cont'd)

(1) Switched Access (Cont'd)

(b) Additional Cooperative Testing

The Additional Cooperative Tests, as set forth following, may be ordered by the customer, at additional charges, 60 days prior to the start of the testing schedule as mutually agreed to by the customer and the Telephone Company.

| <u>Additional Tests</u> | <u>Per Test, Per Transmission Path</u> |
|-------------------------|--|
| 1004 Hz loss | \$5.24 |
| C-Message Noise | \$3.28 |
| Balance (return loss) | \$7.20 |
| Gain-Slope | \$5.24 |
| C-Notched Noise | \$3.28 |

ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.4 Testing Services (Cont'd)

(C) Rates and Charges (Cont'd)

(1) Switched Access (Cont'd)

(c) Additional Manual Testing

The Additional Manual Tests, as set forth following, may be ordered by the customer, at additional charges, 60 days prior to the start of testing schedule as mutually agreed to by the customer and the Telephone Company:

| <u>Testing Periods</u> | <u>First Half Hour or Fraction Thereof</u> | <u>Each Additional Half Hour or Fraction Thereof</u> |
|------------------------|--|--|
| Basic Time | \$45.78 | \$19.63 |
| Overtime | \$49.77 | \$23.62 |
| Premium Time | \$53.76 | \$27.61 |

ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.4 Testing Services (Cont'd)

(C) Rates and Charges (Cont'd)

(1) Switched Access (Cont'd)

(d) Miscellaneous Additional Testing

The Miscellaneous Additional Test, as set forth following, may be ordered by the customer, at additional charges, 60 days prior to the start of the testing schedule as mutually agreed to by the customer and the Telephone Company.

| <u>Testing Periods</u> | <u>First Half Hour or Fraction Thereof</u> | <u>Each Additional Half Hour or Fraction Thereof</u> |
|------------------------|--|--|
| Basic Time | \$45.38 | \$19.23 |
| Overtime | \$49.37 | \$23.22 |
| Premium Time | \$53.35 | \$27.20 |

ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.4 Testing Services (Cont'd)

(C) Rates and Charges (Cont'd)

(1) Switched Access (Cont'd)

(e) Provision of AST Test Results to the Customer

Provision of AST
 test results for
 each trunk tested.

- Per Report Provided

Nonrecurring
Charge

ICB

(2) Special Access

(a) Additional Cooperative Testing

The Additional Cooperative Tests, as set forth following,
 may be ordered by the customer, at additional charges, 60
 days prior to the start of the customer's prescribed
 schedule.

| <u>Testing Periods</u> | <u>First Half Hour or Fraction Thereof</u> | <u>Each Additional Half Hour or Fraction Thereof</u> |
|------------------------|--|--|
| Basic Time | \$45.78 | \$19.63 |
| Overtime | \$49.77 | \$23.62 |
| Premium Time | \$53.76 | \$27.61 |

ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.4 Testing Services (Cont'd)

(C) Rates and Charges (Cont'd)

(2) Special Access (Cont'd)

(b) Additional Manual Testing

The Additional Manual Tests, as set forth following, may be ordered by the customer, at additional charges, 60 days prior to the start of the testing schedule as mutually agreed to by the customer and the Telephone Company.

| <u>Testing Periods</u> | <u>First Half Hour or Fraction Thereof</u> | <u>Each Additional Half Hour or Fraction Thereof</u> |
|------------------------|--|--|
| Basic Time | \$45.78 | \$19.63 |
| Overtime | \$49.77 | \$23.62 |
| Premium Time | \$53.76 | \$27.61 |

ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.4 Testing Services (Cont'd)

(C) Rates and Charges (Cont'd)

(2) Special Access (Cont'd)

(c) Miscellaneous Additional Testing

The Miscellaneous Additional Testing, as set forth following, may be ordered by the customer, at additional charges, 60 days prior to the start of the testing schedule as mutually agreed to by the customer and the Telephone Company.

| <u>Testing Periods</u> | First Half Hour or Fraction Thereof | Each Additional Half Hour or Fraction Thereof |
|------------------------|--|--|
| Basic Time | \$45.38 | \$19.23 |
| Overtime | \$49.37 | \$23.22 |
| Premium Time | \$53.35 | \$27.20 |

ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.5 Provision of Access Service Billing Information

- (A) The customer will receive its monthly bills in a standard paper format.
- (B) At the option of the customer, and for an additional charge:
 - (1) Customer monthly bills may be provided on magnetic tape#,
 - (2) Additional copies of the customer monthly bill or service and features record will be provided in standard paper format.
- (C) Upon acceptance by the Telephone Company of an order for data transmission, the Telephone Company will determine the period of time to implement the transmission of such material on an individual order basis.
- (D) The rates and charges for the provision of Access Service Billing Information are as follows:

This option is limited to existing customers receiving monthly bills or service and equipment records on magnetic tape as of May 31, 2001.

ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.5 Provision of Access Service Billing Information (Cont'd)

(D) (Cont'd)

| | <u>Monthly Rate</u> | <u>Nonrecurring Charge</u> |
|--|-------------------------|--------------------------------|
| (1) Additional Copies of the customer's monthly bill or service and features record per account in standard paper format | | |
| - per account in standard paper format | \$6.17 | \$6.54 |
| | | <u>Rates</u> |
| (2) Provision of standard billing detail and/or information in magnetic tape format# | | |
| - per tape | | \$50.00 |

This option is limited to existing customers receiving monthly bills or service and equipment records on magnetic tape as of May 31, 2001.

ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.3 Miscellaneous Services (Cont'd)13.3.6 Telecommunications Service Priority (TSP)(A) Regulations

- (1) The Telecommunications Service Priority (TSP) System was developed to satisfy the requirements of the National Communications System (NCS) of the Federal Government and provides the regulatory, administrative and operational procedures authorizing the priority installation and/or priority restoration of National Securing Emergency Preparedness (NSEP) telecommunications services. TSP applies only the NSEP telecommunications services, and authorizes the Telephone Company to take priority action in the provision and restoration of such services.
- (2) Priority installation and/or priority restoration of NSEP telecommunications services shall be provided in accordance with Part 64.401, Appendix A, of the Federal Communications Commission's (FCC's) Rules and Regulations, and in accordance with the guidelines set forth in the Telecommunications Service Priority (TSP) System for National Security Emergency Preparedness (NSEP) Service Vendor Handbook (NCS) Handbook 3-1-2), dated July 11, 1989.
- (3) The customer requesting TSP service must be the same customer for which the associated access service is provided.
- (4) Certain conditions may require that one or more customer services with a lower or no restoration priority be preempted in order to install or restore NSEP telecommunications service (s) of a higher priority. When such preemption is necessary, the Telephone Company will make every reasonable effort to notify the preempted customer of the action to be taken. Credit allowances for such service preemption shall be made according to the provisions set forth in Section 2.4.4(E) preceding.

ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.6 Telecommunications Service Priority (TSP) (Cont'd)

(A) Regulations (Cont'd)

- (5) In obtaining TSP, the customer authorizes the Telephone Company to provide certain customer record information to the Manager, NCS, of the Federal Government so that the Government can maintain and administer its TSP System. This customer record information will include only the customer's name, TSP authorization code, Telephone Company circuit ID, customer telephone number and customer mailing address.
- (6) In order to provide priority restoration service in compliance with Part 64.401, Appendix A, of the FCC's Rules and Regulations, the Telephone Company may be unable to notify the customer in advance where additional labor charges apply, as set forth in 13.3.2 preceding, before the required additional labor is undertaken. The customer, in obtaining a restoration priority, recognizes that quoting charges and obtaining permission to proceed with the restoration of certain access services will cause unnecessary delays and, as a result, would be contrary to the aforementioned Rules and Regulations. In subscribing to TSP, the customer recognizes this condition and grants the Telephone Company the right to quote charges after the restoration has been completed.
- (7) When an assigned restoration priority is discontinued or revoked, and the associated access service is continued in service, no charge applies for such a discontinuance.

ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.6 Telecommunications Service Priority (TSP) (Cont'd)

(A) Regulations (Cont'd)

- (8) Credit allowance provisions for an interruption in priority restoration are the same as those for the access service with which it is associated, as set forth in Section 2.4.4 preceding.
- (9) When a customer requests that a priority installation be expedited (i.e., essential and emergency services), any applicable expedite charges will apply in addition to the priority installation set forth in 13.3.6 (B) following.
- (10) In the event that the Telephone Company must utilize specially constructed facilities in the priority installation of an access service, the regulations, rates and charges set forth in Section 14 following for the service for which priority installation is required shall also apply.
- (11) The activities performed by the Telephone Company in the provision of TSP are included in the following rate elements:
 - (a) Priority Installation - includes provision of confirmation information to the Manager, NCS, of the Federal Government, verification of TSP code assignments, and installation preemption, if necessary.
 - (b) Priority Restoration Implementation - includes provision of confirmation information to the Manager, NCS, of the Federal Government and verification of TSP code assignment.

ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.6 Telecommunications Service Priority (TSP) (Cont'd)

(A) Regulations (Cont'd)

(11) (Cont'd)

- (c) Priority Restoration Change - includes provision of confirmation information and TSP code verification when a priority restoration level is changed on an associated access service.
- (d) Priority Restoration Maintenance - includes TSP system administration and maintenance, reconciliation of TSP code levels, and restoration preemption, if necessary.

ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.6 Telecommunications Service Priority (TSP) (Cont'd)

(B) Rates and Charges

The following rates and charges are in addition to all other rates and charges applicable for other services furnished under the provisions of this tariff which operate in conjunction with the TSP System and are on a per circuit basis. This includes, but is not limited to, Maintenance of Service as set forth in 13.3.1 preceding.

- Per Circuit

| | | <u>Monthly Rates</u> | <u>Nonrecurring Charges</u> |
|-----|---|----------------------|-----------------------------|
| (1) | Priority Installation* | None | \$98.82 |
| (2) | Priority Restoration Implementation* | None | \$52.91 |
| (3) | Priority Restoration Change | None | \$30.41 |
| (4) | Priority Restoration Maintenance and Administration | \$3.06 | None |

* When an access service is ordered with both priority installation and priority restoration the associated nonrecurring charge for each applies.

ACCESS SERVICE

14. Special Construction

14.1 General

This section contains regulations, rates, charges and liabilities applicable for the special construction of intrastate facilities.

When special construction of facilities is required, the provisions of this tariff apply in addition to all regulations, rates and charges set forth in the appropriate service section of this tariff.

14.2 Regulations

14.2.1 Filing of Charges

Rates, charges and liabilities for special construction to provide facilities for use for one month or more are filed in 14.3 following, as appropriate.

Rates, charges and liabilities for the construction of facilities for use for less than one month are filed in supplements to this tariff.

14.2.2 Ownership of Facilities

The Telephone Company providing specially constructed facilities under the provisions of this tariff retains ownership of all such facilities.

14.2.3 Interval to Provide Facilities

Based on available information and the type of service ordered, the Telephone Company will establish a completion date for the specially constructed facilities. If the scheduled completion date cannot be met due to circumstances beyond the control of the Telephone Company, a new completion date will be established and the customer will be notified.

ACCESS SERVICE

14. Special Construction (Cont'd)

14.2 Regulations (Cont'd)

14.2.4 Special Construction Involving Both Interstate and Intrastate Facilities

When special construction involves facilities to be used to provide both interstate and intrastate services, charges for the portion of the construction used to provide intrastate service shall be in accordance with this tariff. Charges for the portion of the construction used to provide interstate service shall be in accordance with the appropriate interstate tariff.

14.2.5 Payments for Special Construction

(A) Payment of Charges

All bills associated with special construction charges are due in accordance with the regulations in the appropriate service section of this tariff.

(B) Start/End of Billing

Billing of recurring charges for specially constructed facilities starts on the day after the facilities are made available for use. Billing accrues through and includes the day that the specially constructed facilities are discontinued.

ACCESS SERVICE

14. Special Construction (Cont'd)

14.2 Regulations (Cont'd)

14.2.5 Payments for Special Construction (Cont'd)

(C) Credit Allowance for Service Interruptions

In the event of a service interruption involving especially constructed facility, the customer shall receive a recurring monthly charge credit in accordance with the credit allowance provisions in the appropriate service section of this tariff associated with the affected services.

When an interruption continues due to the failure of the customer to authorize the replacement of facilities subject to a Replacement Charge, as specified, in 14.2.6.4(D)(1)(d) following, the credit allowance will be terminated on the seventh calendar day after the Telephone Company has provided the customer with written notification of the need for replacement. The credit allowance will resume on the day after the Telephone Company receives written authorization for the replacement from the customer.

14.2.6 Liabilities and Charges for Special Construction

(A) General

This section describes the various charges and liabilities that may apply when the Telephone Company provides special construction of facilities in accordance with an order for service. Written approval of all liabilities and charges must be provided to the Telephone Company prior to the start of construction.

ACCESS SERVICE

14. Special Construction (Cont'd)

14.2 Regulations (Cont'd)

14.2.6 Liabilities and Charges for Special Construction (Cont'd)

(B) Conditions Requiring Special Construction

Special construction is required when 1) facilities are not available to meet an order for service, and 2) the Telephone Company constructs facilities, and 3) one or more of the following conditions exist:

- The Telephone Company has no other requirement for the facilities requested.
- It is requested that service be furnished using a type of facility, or via a route, other than that which the Telephone Company would normally utilize in furnishing the requested service.
- More facilities are requested than would normally be required to satisfy an order.
- It is requested that construction be expedited, resulting in added cost to the Telephone Company.

(C) Development of Liabilities and Charges

Special construction charges and liabilities will be developed based on estimated costs, except when actual costs are requested in writing prior to the start of special construction.

In order to meet a scheduled service date when actual costs are requested, an initial special construction filing may be based on estimated costs. Such a filing will be revised when actual costs are available.

ACCESS SERVICE

14. Special Construction (Cont'd)

14.2 Regulations (Cont'd)

14.2.6 Liabilities and Charges for Special Construction (Cont'd)

(D) Types of Liabilities and Charges (Cont'd)

Depending on the specifics associated with each individual case, one or more of the following special construction charges and/or liabilities may be applicable:

(1) Nonrecurring Charge

A nonrecurring charge always applies and includes one or more of the following components:

(a) Case Preparation Charge

A nonrecurring charge always includes a case preparation charge component to cover the administrative expenses associated with preparing a special construction case and the associated tariff filing.

ACCESS SERVICE

14. Special Construction (Cont'd)

14.2 Regulations (Cont'd)

14.2.6 Liabilities and Charges for Special Construction (Cont'd)

(D) Types of Liabilities and Charges (Cont'd)

(1) Nonrecurring Charge (Cont'd)

(b) Expediting Charge

A nonrecurring charge may include an expediting charge when it is requested that special construction be completed on an expedited basis. The charge equals the difference in estimated cost between expedited and nonexpedited construction.

(c) Optional Payment

An optional payment charge may be included in the nonrecurring charge in association with a type of facility or route other than that which the Telephone Company would normally use in furnishing the requested service if lower recurring monthly charges are desired for the specially constructed facilities. This charge is equal to the excess installed cost or the total nonrecoverable cost, whichever is less. This election must be made in writing before special construction starts. If this election is coupled with the actual cost option, the optional payment charge will reflect the actual cost of the specially constructed facilities.

ACCESS SERVICE

14. Special Construction (Cont'd)

14.2 Regulations (Cont'd)

14.2.6 Liabilities and Charges for Special Construction (Cont'd)

(D) Types of Liabilities and Charges (Cont'd)

(1) Nonrecurring Charge (Cont'd)

(d) Replacement Charge

If any portion of specially constructed facilities for which an optional payment charge has been paid requires replacement involving capital investment, a replacement charge will apply. This charge will be in the same ratio to the total replacement cost as the initial optional payment charge was to the installed cost of the original specially constructed facilities. If any portion of the facilities subject to the replacement charge fails, service will not be restored until notification is provided in writing that replacement is required and such replacement is ordered.

(e) Rearrangement Charge

If the Telephone Company is requested to rearrange existing specially constructed facilities, a nonrecurring charge equal to the cost of any additional special construction will apply.

ACCESS SERVICE

14. Special Construction (Cont'd)

14.2 Regulations (Cont'd)

14.2.6 Liabilities and Charges for Special Construction (Cont'd)

(D) Types of Liabilities and Charges (Cont'd)

(1) Nonrecurring Charge (Cont'd)

(f) Special Construction of Facilities for Use for less than One Month

When the Telephone Company is requested to construct facilities to provide service for less than one month, a nonrecurring charge only applies. In addition to the case preparation charge component, this nonrecurring charge recovers all elements of cost, including engineering, shipping of equipment, equipment installation, line-up, equipment leasing, space rental, equipment removal, and any other costs associated with the construction of the facilities.

(2) Maximum Termination Liability and Termination Charge

A Maximum Termination Liability is equal to the nonrecoverable costs associated with specially constructed facilities and is the maximum amount which could be applied as a Termination Charge if all specially constructed facilities were discontinued before the Maximum Termination Liability expires.

ACCESS SERVICE

14. Special Construction (Cont'd)

14.2 Regulations (Cont'd)

14.2.6 Liabilities and Charges for Special Construction (Cont'd)

(D) Types of Liabilities and Charges (Cont'd)

(2) Maximum Termination Liability and Termination Charge (Cont'd)

The liability period is equal to the average life of the account associated with the specially constructed facilities. The liability period is generally expressed in terms of an effective and expiration date.

The Maximum Termination Liability is filed with the initial tariff filing in decreasing amounts at ten-year intervals over the average account life of the facilities. In the event that the average account life of the facilities is not an even multiple of ten, the last increment will reflect the appropriate number of years remaining.

Example Illustrating a 27-Year Average Account Life

| <u>Maximum Termination Liability</u> | <u>Effective Date</u> | <u>Expiration Date</u> |
|--------------------------------------|-----------------------|------------------------|
| \$10,000 | 6/1/84 | 6/1/94 |
| 7,000 | 6/1/94 | 6/1/04 |
| 3,000 | 6/1/04 | 6/1/11 |

ACCESS SERVICE

14. Special Construction (Cont'd)

14.2 Regulations (Cont'd)

14.2.6 Liabilities and Charges for Special Construction (Cont'd)

(D) Types of Liabilities and Charges (Cont'd)

(2) Maximum Termination Liability and Termination Charge (Cont'd)

Prior to the expiration of each liability period, the customer has the option to (A) terminate the special construction case and pay the appropriate charges, or (B) extend the use of the specially constructed facilities for the new liability period.

The Telephone Company will notify the customer six months in advance of the expiration date of each ten-year liability period. The customer must provide the Telephone Company with written notification at least 30 days prior to the expiration of the liability period if termination is elected. Failure to do so will result in an automatic extension of the special construction case to the next liability period at the filed Maximum Termination Liability amount.

ACCESS SERVICE

14. Special Construction (Cont'd)14.2 Regulations (Cont'd)14.2.6 Liabilities and Charges for Special Construction (Cont'd)(D) Types of Liabilities and Charges (Cont'd)(2) Maximum Termination Liability and Termination Charge (Cont'd)

A Termination Charge may apply when all services using specially constructed facilities which have a tariffed Maximum Termination Liability are discontinued prior to the expiration of the liability period. The charge reflects the unamortized portion of the nonrecoverable costs at the time of termination, adjusted for net salvage and possible reuse. Administrative costs associated with the specific case of special construction and any cost for restoring a location to its original condition are also included. A Termination Charge may never exceed the filed Maximum Termination Liability.

A partial termination of specially constructed facilities will be provided, at the election of the customer. The amount of the Termination Charge associated with such partial termination is determined by multiplying the termination charge which would result if all services using the specially constructed facilities were discontinued, at the time partial termination is elected, by the percentage of specially constructed facilities to be partially terminated. A tariff filing will be made following a partial termination to list remaining Maximum Termination Liability amounts and the number of specially constructed facilities the customer will remain liable for.

ACCESS SERVICE

14. Special Construction (Cont'd)

14.2 Regulations (Cont'd)

14.2.6 Liabilities and Charges for Special Construction (Cont'd)

(D) Types of Liabilities and Charges (Cont'd)

(2) Maximum Termination Liability and Termination Charge (Cont'd)

Example

A customer with a filed Maximum Termination Liability of \$100,000 for 3600 specially constructed facilities requests a partial termination of 900 facilities. The Termination Charge for all facilities, at the time of election, is \$60,000. The partial termination charge, in this example, is \$60,000 x 900/3600, or \$15,000.

(3) Annual Underutilization Liability and Underutilization Charge

Prior to the start of special construction, the Telephone Company and the customer will agree on (1) the quantity of facilities to be provided, and (2) the length of the planning period during which the customer expects to place the facilities in service. The planning period is hereinafter referred to as the Initial Liability Period (ILP). The ILP is listed in the tariff with an effective and expiration date.

Underutilization occurs only if, at the expiration date of the ILP and annually thereafter, less than 70 percent of the specially constructed facilities are in service at filed tariff service rates.

ACCESS SERVICE

14. Special Construction (Cont'd)

14.2 Regulations (Cont'd)

14.2.6 Liabilities and Charges for Special Construction (Cont'd)

(D) Types of Liabilities and Charges (Cont'd)

(3) Annual Underutilization Liability and Underutilization Charge
(Cont'd)

An annual underutilization liability amount is filed on a per unit basis (e.g., per cable pair) for each case of special construction. This amount is equal to the annual per unit cost and includes depreciation, maintenance, administration, return, taxes and any other costs identified in the supporting documentation provided at the time the special construction case is filed.

Upon the expiration of the ILP, the number of underutilized facilities, if any, are multiplied by the annual underutilization liability amount. This product is then multiplied by the number of years (including any fraction thereof) in the ILP to determine the underutilization charge.

Annually thereafter, the number of underutilized facilities, if any, existing on the anniversary of the ILP expiration date will be multiplied by the annual underutilization liability amount to determine the underutilization charge for the preceding 12 month period.

ACCESS SERVICE

14. Special Construction (Cont'd)

14.2 Regulations (Cont'd)

14.2.6 Liabilities and Charges for Special Construction (Cont'd)

(D) Types of Liabilities and Charges (Cont'd)

(3) Annual Underutilization Liability and Underutilization Charge
(Cont'd)

Example

A customer orders 100 services and the special construction of a 600 pair building riser cable is agreed to, based on the customer's 5 year facility requirements. The ILP, in this example, would be filed at 5 years. The annual underutilization liability is filed at \$2.00 per pair. If 400 pairs were in service at the end of the ILP, there would be an underutilization of 20 pairs, i.e., $420 (70\% \text{ of } 600) - 400 = 20$. The total underutilization charge for the first 5 years would be \$200.00, or $\$2.00 \text{ per pair} \times 20 \text{ pairs} \times 5 \text{ years}$.

If 420 pairs are in service at the end of the 6th year, there is no underutilization, i.e., $420 - 420 = 0$.

ACCESS SERVICE

14. Special Construction (Cont'd)

14.2 Regulations (Cont'd)

14.2.6 Liabilities and Charges for Special Construction (Cont'd)

(D) Types of Liabilities and Charges (Cont'd)

(4) Recurring Monthly Charges

(a) Charge for Route or Type other than Normal

When special construction is requested using a route or type of facility other than that which the Telephone Company would normally use, a recurring monthly charge, in addition to the monthly rates for service, is applicable. The charge is equal to the difference between the recurring costs of the specially constructed facilities and the recurring costs of the facilities the Telephone Company would have normally used.

- (i) When an Optional Payment Charge as set forth in 14.2.6.4(D)(1)(c) preceding has been elected, the recurring monthly charge will be reduced to include specially constructed facility operating expenses only.
- (ii) If the actual cost option as set forth in 14.2.6.(C) preceding has been elected, the recurring charge will be adjusted to reflect the actual cost of the new construction when the costs have been determined. This adjusted recurring charge is applicable from the start of service.

ACCESS SERVICE

14. Special Construction (Cont'd)

14.2 Regulations (Cont'd)

14.2.6 Liabilities and Charges for Special Construction (Cont'd)

(D) Types of Liabilities and Charges (Cont'd)

(5) Lease Charge

This charge applies when the Telephone Company leases equipment in order to meet service requirements. The amount of the charge is equal to the net added cost to the Telephone Company caused by the lease.

(6) Cancellation Charge

If a service order with which special construction is associated is cancelled prior to the start of service, a cancellation charge will apply. The charge will include all nonrecoverable costs incurred by the Telephone Company in association with the special construction up to and including the time of cancellation.

ACCESS SERVICE

14. Special Construction (Cont'd)

14.2 Regulations (Cont'd)

14.2.7 Deferral of Start of Service

The Telephone Company may be requested to defer the start of service which will use specially constructed facilities subject to the provisions set forth in the service section of this tariff under which service is being provided. Requests for special construction deferral must be in writing and are subject to the following regulations:

(A) Construction Has Not Begun

If the Telephone Company has not incurred any installation costs before receiving a request for deferral, no charge applies.

(B) Construction Has Begun

If the construction of facilities has begun before the Telephone Company receives a request for deferral, charges will vary as follows:

(1) All Services Are Deferred

When all services which will use specially constructed facilities are deferred, a charge based on the costs incurred by the Telephone Company during each month of the deferral will apply. Those costs include the recurring costs for that portion of the facilities already completed and any other costs associated with the deferral. The cost of any components of the nonrecurring charge which have been completed at the time of deferral will also apply.

ACCESS SERVICE

14. Special Construction (Cont'd)

14.2 Regulations (Cont'd)

14.2.7 Deferral of Start of Service (Cont'd)

(B) Construction Has Begun (Cont'd)

(2) Some Services Are Deferred

When some services which will use the specially constructed facilities are deferred, the construction case will be completed and all special construction charges will apply.

(C) Construction Complete

If the construction of facilities has been completed before the Telephone Company receives a request for deferral, all special construction charges will apply.

14.2.8 Definitions

Actual Cost - The term "Actual Cost" denotes all costs charged against a specific case of special construction, including any appropriate taxes.

Annual Underutilization Liability - The term "Annual Underutilization Liability" denotes a per unit amount which may be billed annually if fewer services are in use utilizing specially constructed facilities at filed tariff rates than were originally specially constructed.

Estimated Cost - The term "Estimated Cost" denotes all estimated costs that will be incurred in providing a specific case of special construction, including any appropriate taxes.

ACCESS SERVICE

14. Special Construction (Cont'd)

14.2 Regulations (Cont'd)

14.2.8 Definitions (Cont'd)

Facilities - The term "Facilities" denotes any cable, poles, conduit, microwave or carrier equipment, wire center distribution frames, central office switching equipment, etc., utilized to provide intrastate services.

Initial Liability Period - The term "Initial Liability Period" denotes the initial planning period during which the customer expects to place specially constructed facilities in service.

Installed Cost - The term "Installed Cost" denotes the total investment (estimated or actual) required by the Telephone Company to provide specially constructed facilities.

Maximum Termination Liability - The term "Maximum Termination Liability" denotes the maximum amount which may be billed if all services using specially constructed facilities are terminated prior to the expiration of the Maximum Termination Liability Period.

Maximum Termination Liability Period - The term "Maximum Termination Liability Period" denotes the length of time for which a termination charge may apply if all services using specially constructed facilities are terminated.

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

ACCESS SERVICE

14. Special Construction (Cont'd)

14.2 Regulations (Cont'd)

14.2.8 Definitions (Cont'd)

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

Normal Construction - The term "Normal Construction" denotes all facilities the Telephone Company would normally use to provide service in the absence of a requirement for special construction.

Normal Cost - The term "Normal Cost" denotes the estimated cost to provide services using normal construction.

Permanent Facilities - The term "Permanent Facilities" denotes facilities providing service for one month or more.

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

Termination Charge - The term "Termination Charge" denotes the portion of the Maximum Termination Liability that is applied as a nonrecurring charge when all services are discontinued prior to the expiration of the specified liability period.

ACCESS SERVICE

14. Special Construction (Cont'd)

14.3 Rates and Charges

14.3.1 Charges to Provide Permanent Facilities to the Federal Government

This section contains special construction charges to provide permanent facilities to the Federal Government in accordance with this tariff. Charges are developed on an individual case basis and are filed following:

14.3.2 Charges to Provide Permanent Facilities Other Than to the Federal Government

This section contains special construction charges to provide permanent facilities other than to the Federal Government in accordance with this tariff. Charges are developed on an individual case basis and are filed following:

ACCESS SERVICE

15. Common Channel Signaling/Signaling System 7 (CCS/SS7) Data Base Services15.1 Line Information Data Base (LIDB) Access Service15.1.1 General

Line Information Data Base (LIDB) Access Service provides the customer the ability to access billing validation data contained on the Telephone Company's LIDB located in Johnson City, Tennessee and Bristol, Tennessee. The LIDB is accessed through the Telephone Company SS7 network which utilizes American National Standards Institute (ANSI) signaling protocol. Access to the Telephone Company's LIDB provides customers the ability to provide toll fraud protection by validating calling card and toll billing exception data and performing public telephone checks.

15.1.2 Description

LIDB Access Service is provided by the Telephone Company to its customers in support of alternate billing services. LIDB Access Service provides access to billing validation data which resides on the Telephone Company data base for use with alternate billing services. Alternate billing services allow customer's end users the ability to bill calls to an account not necessarily associated with the originating line. LIDB Access Service supports alternate billing services such as Calling Card, Collect Calls, and Third Number Billing.

Customers participating in LIDB Access Service for purposes of obtaining billing validation data, which resides on the Telephone Company data base, originate queries to the LIDB from an operator services system (OSS) identified by an originating point code (OPC). The LIDB Query is routed through one of the two Telephone Company interconnecting Signaling Transfer Points (STPs), located in Johnson City, Tennessee and Bristol, Tennessee to the Telephone Company Regional Service Control Point (SCP) where the LIDB resides.

The requested billing validation data, in the form of signaling information, is passed back via either one of the two Telephone Company interconnecting STPs to the customer's designated OSS where the LIDB query was originated. The Telephone Company LIDB will receive and respond to Calling Card Service and Billed Number Screening queries.

LIDB Access Service will provide the following functions on a per query basis:

- Validation of a telecommunications calling card stored on LIDB.
- Determination of whether the billed line automatically rejects certain calls billed as collect or third number.
- Determination of whether the billed line in the Billed Number Screening Query is a public telephone number using the "Service or Equipment Indicator" in the LIDB.

ACCESS SERVICE

15. Common Channel Signaling/Signaling System 7 (CCS/SS7) Data Base Services (Cont'd)15.1 Line Information Data Base (LIDB) Access Service (Cont'd)15.1.2 Description (Cont'd)

All access to the Telephone Company's LIDB will occur through two Telephone Company interconnecting STPs located in Johnson City, Tennessee and Bristol, Tennessee. The Telephone Company will provide customer interconnection to the Telephone Company interconnecting STPs through its Common Channel Signaling/Signaling System 7 (CCS/SS7) Interconnection Service provided in Section 6.8.2(G) of Embarq Local Operating Companies Tariff F.C.C. No. 1.

(A) Limitations

Unless expressly authorized in writing by the customer and the Telephone Company, LIDB Access service is not to be used for purposes other than those LIDB functions described in 15.1.2 preceding. LIDB Access Service is to be used for those services only on a call-by-call basis and data accessed on LIDB may not be stored elsewhere for future use.

Proprietary information resident in the Telephone Company LIDB is protected from unauthorized access and may not be stored in a customer's data base for any reason. All information related to alternate billing services is proprietary. Some examples of proprietary information are as follows:

- Billed Number (resides in the Telephone Company LIDB)
- Pin Number(s) (resides in the Telephone Company LIDB)
- Billed Number Screening (BNS) indicators (resides in the Telephone Company LIDB)
- Reports on LIDB usage
- Information related to billing for LIDB usage
- LIDB usage statistics

(B) Rate Categories

There are two basic elements which apply to LIDB Access Service: Query Transport and Query.

(1) Query Transport

The Query Transport rate element provides for the transmission facilities between the Telephone Company's STPs located in Johnson City, Tennessee and Bristol, Tennessee and the Telephone Company SCP where the LIDB resides.

ACCESS SERVICE

15. Common Channel Signaling/Signaling System 7 (CCS/SS7) Data Base Services (Cont'd)15.1 Line Information Data Base (LIDB) Access Service (Cont'd)15.1.2 Description (Cont'd)(B) Rate Categories (Cont'd)(2) Query

The Query rate element provides for the validation of calling card and toll billing exception data and performance of public telephone checks. For these validation purposes, LIDB Access Service customers will query the LIDB located in the Telephone Company SCP via the Telephone Company CCS/SS7 network. The LIDB will respond with a verification signal message back to the LIDB Access Service customer via the Telephone Company CCS/SS7 network.

The charges associated with Query Transport and Query are set forth in 15.1.6 following:

(C) Acceptance Testing

The Telephone Company will perform testing of the LIDB Access Service in conjunction with CCS/SS7 Interconnection Service as outlined in Technical Reference Publications GF-905 and GR-954.

(D) Ordering Options and Conditions

LIDB Access Service is ordered under the Access Order provisions set forth in Section 5 preceding. Also, included in that section are other charges which may be associated with ordering LIDB Access Service (e.g., Service Date Change Charges).

15.1.3 Undertaking of the Telephone Company

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

(A) LIDB Data Specifications

The Telephone Company's LIDB will contain a record for every working line number and Billed Number Group served by the Telephone Company. Other exchange carriers who may store their data in the Telephone Company LIDB are requested to provide this data as well.

ACCESS SERVICE

15. Common Channel Signaling/Signaling System 7 (CCS/SS7) Data Base Services (Cont'd)15.1 Line Information Data Base (LIDB) Access Service (Cont'd)15.1.3 Undertaking of the Telephone Company (Cont'd)(A) LIDB Data Specifications (Cont'd)

The Telephone Company will administer its LIDB update process by use of a Data Base Administration system (DBAS). Updates contain information for calling card, collect and bill-to-third Party Alternate Billing Services (ABS) verification.

The Telephone Company generates customer record service order update activity which is electronically transferred to LIDB from the DBAS system. Mechanized updates (e.g., add, delete, modify customer accounts as customers move, order new service, disconnect service, or become delinquent on their account) are processed daily, 6 days per week, Monday through Saturday. Emergency updates for calling cards reported lost, stolen or otherwise compromised will be made 7 days per week, 24 hours per day.

ABS query usage within LIDB is monitored for unusual patterns which may be indicators of abuse or attempted fraud. By using a threshold method, when validation queries for a specific LIDB record reach the Telephone Company established usage threshold level, the number is placed on an exception list and an investigator will determine the validity of the usage. If the usage is determined to be invalid, the investigator will immediately deactivate the record in LIDB.

Usage thresholds will be established by the Telephone Company. Thresholds may vary by class of end user account (e.g., residence, business). Usage thresholds are applied uniformly within LIDB, and will monitor combined query usage from all LIDB Access Service Customers. If a calling card is automatically disabled and the usage is determined valid, the calling card will be reactivated in LIDB.

The Telephone Company will also establish usage thresholds which, when met by query activity to a calling card record, will automatically disable the record in LIDB. The number is placed on an exception list and an investigator will determine validity of the usage.

ACCESS SERVICE

15. Common Channel Signaling/Signaling System 7 (CCS/SS7) Data Base Services (Cont'd)15.1 Line Information Data Base (LIDB) Access Service (Cont'd)15.1.3 Undertaking of the Telephone Company (Cont'd)(A) LIDB Data Specifications (Cont'd)

The Telephone Company will administer its LIDB to insure the provision of acceptable service levels to all customers. During periods of LIDB congestion, an automatic call gapping procedure will be utilized to control such congestion. The automatic call gapping procedure signals the switch and identifies the gap (how long the switch should wait before sending another query) and the duration (how long the switch should continue to perform gapping) according to the level of congestion. For example, during an overload condition, the automatic call gapping procedure will signal the switch when to begin to drop one out of three of the queries received. This call gapping procedure will be applied uniformly to all users of the Telephone Company's LIDB service.

The Telephone Company maintains the right to invoke manual intervention of the automatic call gapping procedure to preserve the integrity of the network.

(B) Provision of Billing Information

LIDB Access Service Queries received at the SCP are accumulated and records are generated identifying the number of queries processed by the originating point code (OPC) of the customer's Operator Service System (OSS) location. This information is delivered to the accounting office via tape or by teleprocessing for processing and billing. The query charges will be accumulated and billed to the LIDB Access Service customer each month.

The Telephone Company will provide sufficient information with the bill to enable the customer to determine how the billed amount was calculated. Included on the bill will be separate entries displaying the Billed Number Screening queries and the Calling Card Number queries.

Other reports may be provided as mutually agreed upon. Such agreements, provided on an individual case basis, may involve additional charges or conditions.

15.1.4 Obligations of the Customer

In addition to the obligations of the customer set forth in Section 2 preceding, the customer has certain specific obligations pertaining to the use of LIDB Access Service. These obligations are as follows:

ACCESS SERVICE

15. Common Channel Signaling/Signaling System 7 (CCS/SS7) Data Base Services (Cont'd)15.1 Line Information Data Base (LIDB) Access Service (Cont'd)15.1.4 Obligations of the Customer (Cont'd)(A) LIDB Access Service PIU Report

The customer shall provide to the Telephone Company a LIDB Access Service Percent Interstate Usage (PIU) Report in accordance with the provisions specified in Section 2.3.10 preceding.

15.1.5 Rate Regulations

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

(A) Description of Rates and Charges

There are two types of rates and charges that will apply to LIDB Access Service. These are usage rates and nonrecurring charges. These rates and charges are applied as set forth in (1) and (2) following. For billing purposes, each month is considered to have 30 days.

(1) Usage Rates

The usage rates (Query Transport and Query) for LIDB Access Service are applicable on a per query basis as described in (B) following.

(2) Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for a specific activity (i.e., installation or change to an existing service). The nonrecurring charges that apply for installation of LIDB Access Service are described in (a) following. The nonrecurring charges that apply for service rearrangements are described in (b) following.

(a) Establishment of Service

Nonrecurring charges apply for each request for establishment of LIDB Access Service. The nonrecurring charges for the establishment of LIDB Access Service are set forth in Section 5.2.2 preceding.

ACCESS SERVICE

15. Common Channel Signaling/Signaling System 7 (CCS/SS7) Data Base Services (Cont'd)15.1 Line Information Data Base (LIDB) Access Service (Cont'd)15.1.5 Rate Regulations (Cont'd)(A) Description of Rates and Charges (Cont'd)(2) Nonrecurring charges (Cont'd)(b) Service Rearrangements

Service Rearrangements are changes to existing services which do not result in either a change in the minimum period requirements as set forth in Section 5.2.6 preceding or a change in the location designated by the OPC.

Changes which result in the establishment of new minimum period obligations are treated as a discontinuance of the existing service and establishment of a new service and all applicable nonrecurring charges will apply.

Certain service rearrangements which are administrative in nature as specified in Section 6.7.1(C)(3) will be made without charge except as noted.

Provisions for service rearrangements for which nonrecurring charges will apply are also set forth in Section 6.7.1(C)(3) preceding.

(B) Application of Rates and Charges

Rates and charges for LIDB Access Service are applied as follows:

(1) Query Transport

Query Transport is a usage rate charge which applies to each query routed over transmission facilities between the Telephone Company's STPs in Johnson City, Tennessee and Bristol, Tennessee and the Telephone Company SCP where the LIDB resides. These charges are applied on a per query basis, and are accumulated over a monthly period and billed to the customer on a monthly basis.

ACCESS SERVICE

15. Common Channel Signaling/Signaling System 7 (CCS/SS7) Data Base Services (Cont'd)

15.1 Line Information Data Base (LIDB) Access Service (Cont'd)

15.1.5 Rate Regulations (Cont'd)

(B) Application of Rates and Charges (Cont'd)

(2) Query

A usage rated Query Charge applies to each LIDB query received at the Telephone Company Service Control Point (SCP). Per query charges are accumulated over a monthly period and are billed to the customer on a monthly basis.

(C) Minimum Periods

LIDB Access Service is provided for a minimum of one month. When service is disconnected prior to the expiration of the minimum period, usage charges are applicable for the balance of the minimum period. If service is disconnected after the minimum period, usage charges will be based on the actual number of queries. For the purpose of administering this regulation, with respect to the determination of charges for a fractional part of a month, every month is considered to have 30 days.

15.1.6 Rates and Charges

| | <u>Rate</u> |
|------------------------------------|-------------|
| (A) Query Transport - per query | \$0.0016 |
| (B) Query - per query | \$0.0366 |

ACCESS SERVICE

16. Operator Services16.1 Operator Services Description

Operator Services includes the service categories of Operator Transfer and Operator Inward Assistance. Operator Transfer and Operator Inward Assistance services are provided from OSS Tandems to the customer's premises in conjunction with the rules and regulations of the specified Access Services found in Sections 2, 3, 5, and 6 preceding. Operator Services are available at all Telephone Company end offices, however may be unavailable in certain LATAs due to existing trunking arrangements. In locations where the provider of operator services is not the Telephone Company, availability of operator services is at the discretion of the operator services provider. If operator services are available, the Telephone Company rates are applicable and billed by the Telephone Company. In locations where the Telephone Company is the provider of operator services for other telephone companies, availability of operator services is contingent on the availability of operator services tariffs of that telephone company. The OSS Tandem locations are provided in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4.

16.1.1 Operator Transfer Service (OTS)

Operator Transfer is an originating service that provides call routing of 0- (the digit "0" with no additional digits) calls to a participating customer as requested by the calling end user. An Operator Transfer call is routed to the Telephone Company's OSS operator for completion to a destination outside the originating LATA when the calling party dials "0" and waits for an operator to assist with the call. The Telephone Company operator will, upon request, transfer the call to the calling end user's participating customer (i.e., the Telephone Company's Operator Transfer Service customer) of choice. If the calling end user has no specific customer preference, the OSS operator will consult reference information and offer to the calling party the name of a participating customer. The reference information is arranged to give all participating customers an equal opportunity of being offered to and chosen by the calling end user. After a selection is made by the calling end user, the operator will then key in the selected customer's Carrier Identification Code (CIC) and transfer the call.

ACCESS SERVICE

16. Operator Services (Cont'd)16.1 Operator Services Description (Cont'd)16.1.2 Operator Inward Assistance (OIA) Service

Operator Inward Assistance provides operator service functions on inward calls received from customers. Operator Inward Assistance is provided when a customer's operator contacts a Telephone Company operator requesting line status verification or verification with call interruption. Inward Assistance functions will be performed for only one telephone number per inward call received. The Inward Assistance service functions available are detailed as follows:

- (A) **Busy Line Verification** - The operator will check the status of the requested telephone line to verify if there is conversation on the line and advise the requesting customer of the line status.
- (B) **Verification with Call Interruption** - After verification of a conversation on the requested line is made, and upon request, the operator will interrupt and inform the called party of the waiting call. The operator only interrupts the ongoing call and does not complete the subsequent telephone call for the customer.

16.2 Manner of Provisioning

- (A) **Operator Services trunking** between the customer's premises and the OSS Tandem is provisioned as either Switched Access Feature Group B, Feature Group C, or Feature Group D service and may be arranged, per the customer's request, as either 1-way or 2-way service. These trunk groups are established as final trunks and will be assigned data registers to obtain usage, peg count, and overflow attempt information. If a trunk(s) does not currently exist between the customer's premises and the OSS Tandem(s), the customer must establish Feature Group B or Feature Group D service to the Telephone Company's OSS Tandem(s). The Telephone Company will provide trunk side switching along with trunk answer and disconnect supervisory signaling to the customer.

ACCESS SERVICE

16. Operator Services (Cont'd)16.2 Manner of Provisioning (Cont'd)

- (B) When the OSS Tandem also functions as the Message Toll Service (MTS) Access Tandem, the customer may combine Operator Services traffic with its MTS Switched Access traffic between the OSS Tandem and the customer's premises provided the trunk group has the same signaling and routing requirements as specified for Operator Transfer or Operator Inward Assistance. However, Operator Services traffic may not be combined with MTS Switched Access traffic if the customer provides operator functionality or coin station control.

16.2.1 Operator Transfer

- (A) The customer must order sufficient capacity between the OSS Tandem(s) and the customer's premises to serve Operator Transfer traffic originating from those end offices. The Telephone Company OSS Tandems send 10-digit ANI (NPA + 7-digit telephone number) for Feature Group D trunk groups with Equal Access signaling or Operator Services Address signaling and Feature Group C trunk groups with Traditional signaling. However, the Telephone Company OSS Tandems send 7-digit ANI for Feature Group C trunk groups with Operator Services signaling. Therefore, if the customer requires Operator Transfer calls separately identified by the originating NPA for the Feature Group C trunk group with Operator Services signaling, the customer must utilize a separate and final trunk group, from the OSS Tandem to their customer's premises, for each NPA served by that OSS Tandem.
- (B) In order for the customer to provide full operator functionality (e.g., Operator Recall, Sequence Dialing, Time and Charge Quotation, and Emergency Ring-back) or coin control, the customer must order Operator Trunk - Pay Telephone for Feature Group C service or Operator Trunk - Full Feature for Feature Group D service.

ACCESS SERVICE

16. Operator Services (Cont'd)16.2 Manner of Provisioning (Cont'd)16.2.1 Operator Transfer (Cont'd)

(B) (Cont'd)

Full operator functionality is not required to provide operator transfer service. When coin control is provided, the customer must establish a separate and final trunk group for each type of end office operator/coin signaling (i.e., inband, expanded inband, and multiwink) existing in the end offices served by the OSS Tandem. Operator Transfer is not available for coin sent-paid traffic.

16.2.2 Signaling

(A) For Operator Transfer, the Telephone Company will provide Traditional signaling for Feature Group B or Feature Group C service or Equal Access signaling for Feature Group D service. Customers providing operator functionality for operator traffic or coin control for pay telephone traffic will be provided with Operator Services signaling for Feature Group C or Operator Services Address signaling for Feature Group D service.

(B) For Operator Inward Assistance, the Telephone Company will provide Traditional signaling for Feature Group B or Feature Group C service or Equal Access signaling for Feature Group D service.

16.2.3 Design Layout Report

Upon request, the Telephone Company will provide, to the customer, the make-up of facilities and services provided from the customer's premises to the OSS Tandem. This information will be provided in the form of a Design Layout Report. The Design Layout Report will be provided at no charge and will be reissued or updated whenever the facilities provided for the customer's use are materially changed.

ACCESS SERVICE

16. Operator Services (Cont'd)16.2 Manner of Provisioning (Cont'd)16.2.4 Design Blocking

Trunks between the customer's premises and the OSS Tandems will follow the normal Feature Group B, C, or D blocking criteria as set forth in Section 6.5.7 preceding. The Telephone Company will perform routine measurement functions to inform the customer that an adequate number of transmission paths are in service to meet the normal Feature Group B, C, or D design blocking levels. However, capacity levels and trunk quantities will be the responsibility of the customer.

16.2.5 Testing

Acceptance testing for Operator Services will be provided as set forth in 6.1.6 preceding. Testing Capabilities for Feature Group B, Feature Group C, and Feature Group D services utilized in conjunction with Operator Services will be provided as set forth in Sections 6.2.2(D), 6.2.3(D) and 6.2.4(D) preceding.

16.2.6 Interface Groups and Transmission Parameters

Operator Services will utilize the same interface groups and transmission specifications as specified in Sections 6.2.2(C), 6.2.3(C) and 6.2.4(C) preceding.

16.2.7 Ordering and Billing Options and Conditions

- (A) Operator Transfer Service is ordered under the access order provisions as set forth in Section 5 preceding. The Access Order Charge applicable for Switched Access will apply per Access Order - one per state - for the installation, addition, change, or rearrangement of Operator Transfer Service. In addition, other Access Order Charges (i.e., Service Date Change Charges, etc.) may apply. No access order is required to receive Operator Inward Assistance services.
- (B) Billing for all Operator Services will occur on a monthly basis as other billing is performed, but will be rendered on a statement detailing the flat-rated charges for the entire state applicable to that customer for the specified monthly period.

ACCESS SERVICE

16. Operator Services (Cont'd)

16.3 Liability of the Telephone Company

In addition to the liability statements as set forth in Section 2 preceding, the following also applies.

- (A) The Telephone Company's liability, if any, for its gross negligence or willful misconduct is not limited by this Tariff. With respect to any other claim or suit, by a customer or any others, for damages arising out of negligent mistakes, omissions, interruptions, delays or errors, defects in transmission, omission from or defects in the applicable list of customers or transfers to customers occurring in the course of furnishing service hereunder, the Telephone Company's liability, if any, shall not exceed an amount equivalent to the proportionate charge to the customer for the period of time during which such mistake, omission, interruptions, delays, errors, defects in transmission or service, omissions from or defects in the applicable list of customers or transfers to customers continues. However, any such mistakes, omissions, interruptions, delays, errors, or defects in transmission or service, omissions from or defects in the applicable list of customers or transfers to customers which are caused by or contributed to by the negligent omission or willful act of the customer provided facilities or equipment shall not result in the imposition of any liability whatsoever upon the Telephone Company. The Telephone Company expressly disclaims any express or implied warranty for the aforesaid service or offering including no warranty of merchantability or warranty of fitness for any particular purpose. It is expressly acknowledged by all subscribers to the aforesaid service that errors, mistakes and omissions can and will occur and that the Telephone Company neither warrants nor guarantees faultless or perfect service or transmission.

ACCESS SERVICE

16. Operator Services (Cont'd)

16.3 Liability of the Telephone Company (Cont'd)

- (B) The customer indemnifies and saves the Telephone Company harmless against claims for libel, slander, or infringement of copyright and trademark arising from the information transmitted over facilities furnished hereunder and against all other claims arising out of any act or omission of the customer in connection with facilities provided by the Telephone Company.
- (C) The customer indemnifies and saves the Telephone Company harmless against claims or suits for damages arising where the connection between the calling end user and a local emergency agency is in some way faulty or impaired, due in whole or in part to the negligent mistake or delay of the Telephone Company. Examples of this may include, but are not limited to, instances in which the Telephone Company, through negligent mistake or delay, may provide an incorrect local emergency agency number, delay in locating a local emergency agency number, or disconnect an in-progress call between a calling end user and a local emergency agency.

16.4 Obligations of the Customer

In addition to the general regulations as set forth in Section 2 preceding, the following also applies.

- (A) The customer shall provide the necessary on-hook, off-hook, answer supervision, and disconnect supervision at the customer's premises.
- (B) Jurisdictional reporting will apply as required in Section 2.3.10 for determining the Percent Interstate Usage (PIU).

ACCESS SERVICE

16. Operator Services (Cont'd)

16.5 Rate Regulations

16.5.1 Description and Application of Rates and Charges

(A) Operator Transfer Service

The Operator Transfer charge is a flat-rated charge applicable per call transferred to the subscribing customer.

In addition to the Operator Transfer charge, Switched Access rates apply as set forth in Section 6.8 preceding and Carrier Common Line (CCL) charges as set forth in Section 3.8 preceding apply for usage originating from all end offices served by the OSS Tandem.

Nonrecurring Switched Access charges are applicable as specified in Sections 6.7 and 6.8 preceding.

(B) Operator Inward Assistance Service

The Operator Inward Assistance flat-rated charges are specific to the operator function performed and are applied per attempt to the requesting customer. The charges include all operator work time and equipment necessary to perform the requested operator function. The specific charges for Inward Assistance are shown below:

- (1) Busy Line Verification - applicable per busy line verify attempt.
- (2) Verification with Call Interrupt - applicable per busy line verify/call interrupt attempt.

Switched Access rates, including CCL charges and nonrecurring charges, are not applicable for Operator Inward Assistance services.

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ACCESS SERVICE

16. Operator Services (Cont'd)

16.5 Rate Regulations

16.5.2 Rates and Charges

| | <u>Rate</u> |
|------------------------------------|-------------|
| Operator Transfer* | |
| - Per Call Transferred | \$1.50 |
| Operator Inward Assistance | |
| - Busy Line Verification | |
| - Per Attempt | \$2.00 |
| - Verification with Call Interrupt | |
| - Per Attempt | \$4.00 |

* In addition, Switched Access charges are applicable as detailed in 16.5.1 preceding.

Advice No. WA 10-21A
Issued: May 27, 2010
Issued By: United Telephone Company of the Northwest

Effective: May 28, 2010