

ACCESS SERVICE7. Special Access Service7.1 Provision of Special Access Service

Special Access Service provides a dedicated transmission path to connect customer designated premises*, either directly or through a Telephone Company hub where bridging or multiplexing functions are performed or to connect a customer's transmission equipment and facilities using a DS1 or DS3 Cross Connect arrangement where the customer is provided Expanded Interconnection Service (EIS) as defined in Section 17. Special Access Service may also be combined with Switched Access Services in the provision of a customer's interstate communications service (e.g., WATS, 800, 888 or WATS-type Services). Special Access Service includes all exchange access not utilizing Telephone Company central office switches.

Certain Special Access Services listed in this section of the tariff may not be currently offered in all Telephone Company locations but may be provided upon customer request, on an individual case basis, if facilities can be made available with reasonable effort. The Telephone Company will work cooperatively with the Customer to provide the service on a timely basis.

Special Access Service purchased from the provisions of this tariff may be commingled with unbundled network elements, where available, or unbundled network element combinations, where available, purchased pursuant to the Commission's Part 51 Interconnection Rules and in compliance with the Federal Communications Commission's Report and Order and Order on Remand and Further Notice of Proposed Rulemaking in CC Docket Nos. 01-338, 96-98 and 98-147, adopted February 20, 2003 and released August 21, 2003 (FCC 03-36). Unbundled elements and commingling are not available in designated rural CenturyTel Operating companies where a 251 (f) exemption is in effect.

(N)

(N)

7.1.1

Circuit Types

There are nine types of circuits used to provide Special Access Services:

- Metallic (MT)
- Telegraph Grade (TG)
- Voice Grade (VG)
- Program Audio (AP)
- Video (TV)
- Wideband Analog (WA)
- Wideband Data (WD)
- Digital Data (DA)
- High Capacity (HC)

These circuits can be either analog or digital. Analog circuits are differentiated by frequency spectrum and bandwidth. Digital connections are differentiated by bit rate.

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

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ACCESS SERVICE7. Special Access Service (Cont'd)7.1 Provision of Special Access Service (Cont'd)7.1.1 Circuit Types (Cont'd)

Each of the nine circuits has its own characteristics. All of the circuit types are subdivided by one or more of the following:

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

The circuit descriptions set forth in this section specify the characteristics of the basic circuit and indicates whether the circuit is provided between customer designated premises or between a customer designated premises and a Telephone Company hub where bridging or multiplexing functions are performed, or between a customer designated premises and a Telephone Company WATS Serving Office.

Customers can order a basic circuit and select from a list of available technical specifications packages (customized or predefined), channel interfaces, and optional features to design a circuit which meets the Customer's specific communications needs. For purposes of ordering circuits, each has been identified as a type of Special Access circuit. However, such identification is not intended to limit a customer's use of the circuit, nor to imply that a circuit is limited to a particular use.

The optional features and functions available with each type of basic circuit are included in the individual service description sections following. The optional features and functions information also indicates with which technical specifications packages they are available.

When a customized circuit is ordered, the Telephone Company may determine that Additional Engineering is required to meet the customer's request for service. The customer will be notified whether Additional Engineering charges apply and will be given an estimate of the hours to be billed before any further action is taken on the order. Additional engineering charges are determined as set forth in 8. 1 following.

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ACCESS SERVICE7. Special Access Services (Cont'd)7.1 Provision of Special Access Service (Cont'd)7.1.2 Service Configurations

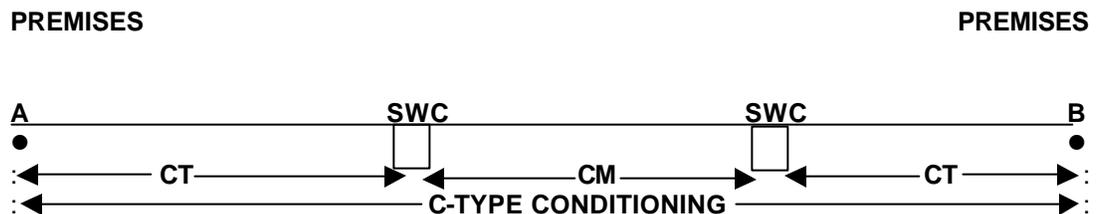
There are two types of service configurations over which Special Access Services are provided: two-point service and multipoint service.

(A) Two-Point Service

A two-point service connects two customer designated premises, either on a directly connected basis or through a hub where multiplexing functions are performed. A Voice Grade Special Access Circuit may be provided as a two-point service connecting an end user premise and a Telephone Company switch when Special Access is used in conjunction with Switched Access as set forth in 6.3.2(T) for Switched Access Interface Arrangements.

All types of Special Access Service may be provided as two-point service.

The following diagram depicts an example of a two-point Voice Grade service connecting two customer designated premises located 15 miles apart. The service is provided with the optional feature of C-Type conditioning.



CT - Circuit Termination
CM - Circuit Mileage
SWC - Serving Wire Center

Applicable rate elements are:

- Circuit Termination (2 applicable)
- Circuit Mileage (fixed rate plus rate per airline mile between SWC)
- C-Type Conditioning Optional Feature

In addition, a Special Access Surcharge and charges for additional Optional Features and Functions may apply.

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ACCESS SERVICE

- 7. Special Access Services (Cont'd)
- 7.1 Provision of Special Access Service (Cont'd)
- 7.1.2 Service Configurations (Cont'd)
- (B) Multipoint Service

Multipoint service connects three or more customer designated premises through a Telephone Company hub (i.e., bridging locations). Only certain types of Special Access Service are provided as multipoint service. These are so designated in the Service Descriptions for the appropriate circuit.

The circuit between hubs on a multipoint service is a mid-link. There is no limitation on the number of mid-links, but the use of more than three mid-links in tandem may degrade the quality of multi-point facilities.

Multipoint service utilizing a customized technical specifications package, as set forth in 7.1.3, will be provided when technically possible.

When ordering, the customer will specify the desired bridging hub(s). National Exchange Carrier Association Tariff FCC No. 5 identifies serving wire centers, hub locations and the type of bridging functions available.

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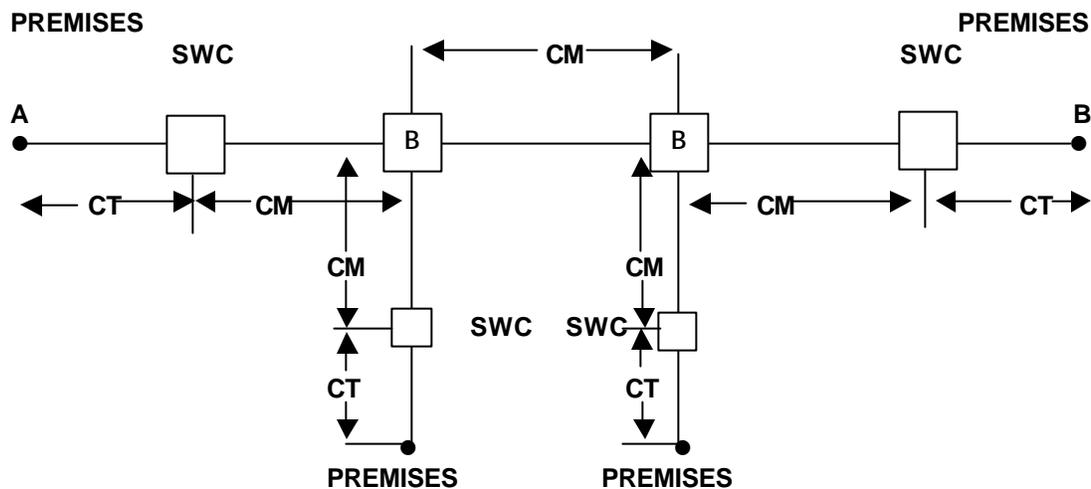
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7. Special Access Services (Cont'd)
- 7.1 Provision of Special Access Service (Cont'd)
- 7.1.2 Service Configurations (Cont'd)
- (B) Multipoint Service (Cont'd)

The following diagram depicts an example of a Voice Grade multipoint service connecting four customer premises via two customer specified bridging hubs.



CT - Circuit Termination
 CM - Circuit Mileage
 B - Bridging
 SWC - Serving Wire Center

Applicable rate elements are:

- Circuit Termination (4 applicable)
- Circuit Mileage (5 sections-fixed rate plus rate per mile between SWC)
- Bridging Optional Features (6 applicable, i.e., each bridge port)

In addition, the Special Access Surcharge, Message Station Equipment Recovery Charge, and charges for other Optional Features and Functions may be applicable.

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7. Special Access Services (Cont'd)
- 7.1 Provision of Special Access Service (Cont'd)
- 7.1.3 Technical Specifications Packages

Information pertaining to the technical specifications packages indicates the transmission parameters that are available with each package. This information is included in each individual service description section in 7.3 through 7.11 following, in a matrix format with the transmission parameters listed down the left side and the packages listed across the top. Each package is identified by a code, e.g., VGC. The first two letters of the code indicate the category of Special Access Service to which the parameters are applicable. These two letter codes are shown above in parentheses following the category of Special Access Service.

The letter "C" following the two letter code indicates the technical specifications package for a customized service. A numeric or alpha-numeric designation following the two letter code indicates the specific predefined package. For a customized service, the customer may select any parameters available with that category of service as long as the parameters are compatible. When appropriate, the Technical Reference which contains detailed specifications for the parameters is shown following the matrix.

All services installed after the effective date of this tariff will conform to the transmission specification standards contained in this tariff or in the following Technical References for each category of service:

Metallic	PUB	TR-NPL-000336
Telegraph Grade	PUB	TR-NPL-000336
Voice Grade	PUB	TR-NPL-000335
	PUB	41004, Table 4
Program Audio	PUB	TR-NPL-000337
Video	PUB	TR-NPL-000338
Wideband Analog	PUB	TR-NPL-000339
Wideband Data	PUB	TR-NPL-000340
Digital Data	PUB	TR-NPL-000341
	PUB	62310
High Capacity	PUB	TR-NPL-000342
	PUB	62411
	PUB	TR-NPL-000054

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- 7. Special Access Services (Cont'd)
- 7.1 Provision of Special Access Service (Cont'd)
- 7.1.3 Technical Specifications Packages (Cont'd)

The Telephone Company will maintain existing transmission specifications on services installed prior to the effective date of this tariff, except that existing services with performance specifications exceeding the standards listed in this provision will be maintained at the performance levels specified in this tariff.

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.

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ACCESS SERVICE7. Special Access Service (Cont'd)7.1 Provision of Special Access Service (Cont'd)7.1.4 Channel Interfaces

Channel interfaces at each point of termination on a two-point service may be symmetrical or asymmetrical. On a multipoint service they may also be symmetrical or asymmetrical, but communications can only be provided between compatible channel interfaces. Only certain channel interfaces are compatible. These are set forth in 9. 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 in 7.1.3 preceding. When a customized circuit is requested, all channel interface combinations available with the specified type of service are available with the customized circuit.

7.1.5 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., Circuit Terminations, Circuit Mileage [as applicable] and Optional Features and Functions [if any]).

7.1.6 Special Facilities Routing

A customer may request that the Special Access used be specially routed. The regulations, rates and charges for Special Facilities Routing are as set forth in Section 11. following.

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ACCESS SERVICE7. Special Access Service (Cont'd)7.1 Provision of Special Access Service (Cont'd)7.1.7 Design Layout Report

At the customer request, the Telephone Company will provide 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. The information will be provided to the customer at no charge in the form of a Design Layout Report and will be reissued or updated whenever the described facilities are materially changed.

7.1.8 Acceptance Testing

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

- (A) For Voice Grade analog services, acceptance testing will include tests for loss, 3-tone slope, DC continuity, operational signaling, Gnotched noise, and Gmessage noise as applicable according to the order for service. Voice Grade services acceptance testing will also include a balance (improved loss) test if the customer has ordered that optional feature.
- (B) For services other than Voice Grade, acceptance tests will include tests for the parameters applicable to the service as specified by the customer in the order for service.

In addition to the above tests, Additional Cooperative Acceptance Testing and Nonscheduled Testing, as described in 8.4 following, are available at the customer's request. All test results will be made available to the customer upon request.

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ACCESS SERVICE7. Special Access Service (Cont'd)7.1 Provision of Special Access Service (Cont'd)7.1.9 Jurisdictional Determination

- (A) Special Access circuits carrying exclusively interstate traffic will be provided in accordance with the applicable rules and regulations of this tariff.

When mixed interstate and intrastate Special Access Service is provided, the jurisdiction will be determined as follows:

- (1) If the customer's estimate of the interstate traffic on the circuit involved constitutes 10% or less of the total traffic on that circuit, the circuit will be provided in accordance with the applicable rules and regulations of the appropriate intrastate tariff.
 - (2) If the customer's estimate of the interstate traffic on the circuit involved constitutes more than 10% of the total traffic on that circuit, the circuit will be provided in accordance with the applicable rules and regulations of this tariff.
- (B) If a billing dispute arises or a regulatory commission questions the reported jurisdiction, the Telephone Company will ask the customer to provide the information the customer uses to determine the jurisdiction of the circuit. The customer shall supply the information within 30 days of the Telephone Company request. The customer shall keep records of system design and functions from which the jurisdiction of its special access circuits can be ascertained. Upon request of the Telephone Company the customer shall make the records available for inspection as reasonably necessary for purposes of verification of the reported jurisdiction.
- (C) Customer certification of the jurisdiction of special access circuits is accomplished by indicating the jurisdiction of the circuit (interstate or intrastate) on the Access Service Request. Customer certification of the jurisdiction of special access circuits in place as of the effective date of these revisions shall be provided to the Telephone Company in the form of written correspondence indicating the jurisdiction of each special access circuit.

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7. Special Access Service (Cont'd)

7.1 Provision of Special Access Service (Cont'd)

7.1.9 Jurisdictional Determination (Cont'd)

(D) Customers reporting a change in the jurisdiction of special access circuits subject to individual case basis (ICB) rates and charges set forth in this tariff will not be subject to termination liability charges unless the change results in the termination of the service.

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ACCESS SERVICE7. Special Access Service (Cont'd)7.2 Rate Categories, Applications and Regulations

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

7.2.1 Rate Categories

The following rate categories apply to Special Access Service:

- Circuit Terminations
- Circuit Mileage
- Optional Features and Functions
- Non Recurring Charges
- Special Access Surcharge
- Special Access Cross Connect
- Term Payment Plan (TPP) - DS1
- Optional Payment Plan (OPP) - Fractional T1

These rate categories are described in Sections 7.2.1.(A) through (H) following.

The following is CenturyTel's Open Network Architecture (ONA) Special Access Basic Serving Arrangement which provides a cross-reference to the generic ONA product name.

<u>Generic Name</u>	<u>CenturyTel Name</u>
Dedicated Alert Transport	Alarm Signal Transport Service

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

<u>Generic Name</u>	<u>CenturyTel Name</u>
Automatic Protection Switching	Automatic Loop Transfer
Bridging	Bridging
Conditioning	Conditioning
Multiplexing - Digital 2000	Multiplexing Arrangements

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ACCESS SERVICE

- 7. Special Access Service (Cont'd)
- 7.2 Rate Categories, Applications and Regulations (Cont'd)
- 7.2.1 Rate Categories(Cont'd)
- (A) Circuit Termination

The Circuit 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 Circuit Termination is a standard channel interface arrangement which defines the technical characteristics associated with the type of facilities to which the access service is to be connected at the Point of Termination (POT) and the type of signaling capability, if any. The signaling capability itself is provided as an optional feature as set forth in (C) following. One Circuit Termination charge applies per customer designated premises at which the circuit is terminated. This charge will apply even if the customer designated premises and the serving wire center are co-located in a Telephone Company building. Connection to Telephone Company provided DS1 or DS3 Circuit Terminations within a serving wire center for customers with EIS will require a Special Access Cross Connect arrangement as described in 7.2.1(F). Circuit Termination rates for DS3 High Capacity Services vary with the number of services and/or level of capacity as set forth in Section 7.2.6 following.

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ACCESS SERVICE7. Special Access Service (Cont'd)7.2 Rate Categories, Applications, and Regulations (Cont'd)7.2.1 Rate Categories (Cont'd)(B) Circuit Mileage

The Circuit Mileage rate category provides for the end office equipment and transmission facilities between serving wire centers and/or Telephone Company hubs. In addition, when Special Access is used in conjunction with Switched Access Service as set forth in 6.3.2 preceding for Switched Access Interface Arrangements, and the end office serving the customer's end user premises is not a WATS Serving Office, Circuit Mileage is used to extend the Special Access Circuit to a WATS Serving Office. Connection to Telephone Company provided DS1 or DS3 Circuit Mileage within a serving wire center for customers with EIS will require a Special Access Cross Connect arrangement as described in 7.2.1(F). The Circuit Mileage charge is composed of a flat monthly charge plus a rate per mile.

MetroLAN Circuit Mileage provides flat rate non-distance sensitive facilities for DS1 bandwidth on fiber optic rings as set forth in 7.2.7. The rate element associated with MetroLAN is a monthly recurring charge as set forth in 7.11.5(B).

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

(1) Fixed Rate

The fixed rate component of Circuit Mileage is applied only once per Circuit Mileage facility. When two or more customer designated premises are served by a common serving wire center (i.e., mileage is zero) the fixed rate component is not applied. Except when served by a common serving wire center, the Circuit Mileage-Fixed charge is applied in full whether the Telephone Company provides one or more than one circuit mileage facility terminations. The Circuit Mileage-Fixed rate does not apply when the Telephone Company provides only an intermediate portion of a circuit mileage facility and no circuit mileage facility terminations. When Special Access is used in conjunction with Switched Access where the customer's end user premises for the Special Access facility is served by a Telephone Company WATS Serving Office, the fixed rate does not apply.

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- 7. Special Access Service (Cont'd)
- 7.2 Rate Categories, Applications, and Regulations (Cont'd)
- 7.2.1 Rate Categories (Cont'd)
- (B) Circuit Mileage (Cont'd)
- (2) Per Mile Rate

The mileage to be used to determine the monthly rate for the per mile portion of Circuit Mileage is calculated on the airline distance 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 Telephone Company end office and a WATS serving office. The serving wire center associated with a customer designated premises is the serving wire center from which this customer designated premises would normally receive dial tone. The methodology for mileage calculation and serving wire center V&H coordinates are specified in National Exchange Carrier Association Tariff FCC. No. 4. Where the calculated miles include a fraction, the value is always rounded up the next full mile.

When hubs are involved, mileage is computed and rates applied separately for each section of the Circuit 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.

When more than one Telephone Company is involved in the provision of Special Access Service, the mileage for the per mile component of Circuit Mileage for each Telephone Company is calculated as set forth in 2.4.7 preceding.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Rate Categories, Applications, and Regulations (Cont'd)

7.2.1 Rate Categories (Cont'd)

(C) Optional Features and Functions

Optional Features and Functions may be added to a basic circuit service to improve its quality or utility to meet the customer's specific communications requirements. These optional features and functions are identifiable with specific equipment, and represent the end result in terms of performance characteristics which may be obtained. These characteristics may be obtained by using various combinations of equipment. Although the equipment necessary to perform a specified function may be installed at various locations along the path of the service, they will be charged for a single rate element.

Descriptions for each of the available Optional Features and functions are set forth in Sections 7.3 through 7.11 following. Specific rate applications for multiplexing are set forth in 7.2.5 following.

(D) Nonrecurring Charge

Nonrecurring charges are one-time charges that apply for installation of Special Access Services, installation of optional features and functions, and moves and service rearrangements.

(1) Installation of Service

Nonrecurring charges apply to each service installed. The nonrecurring charges for the installation of service are applied per Circuit Termination.

Two levels of charges apply for the installation of a three or twelve capacity DS3 High Capacity system as set forth in Section 7.2.6 (A) following. A nonrecurring charge applies for the first Circuit Termination ordered by the customer and a separate nonrecurring charge will apply to each additional Circuit Termination to be installed within the same three or twelve capacity system between the same customer locations. For individual noncapacity DS3 service, the nonrecurring charge for each installation will apply at the same rate per DS3 Circuit Termination.

Customers subscribing to the Fractional T1 OPP arrangements, at rates set forth in 7.11.5(A), will not be assessed a nonrecurring charge.

The Regulations in Section 7.2.1(D)(3) will apply to FT1 OPP customers when required for charges and other service rearrangements.

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- 7. Special Access Service (Cont'd)
- 7.2 Rate Categories, Applications, and Regulations (Cont'd)
- 7.2.1 Rate Categories (Cont'd)
- (D) Nonrecurring Charge (Cont'd)
 - (2) Installation of Optional Features and Functions

Nonrecurring charges apply for the installation of some of the optional features and functions available with Special Access Service. The charge applies whether the feature or function is installed coincident with the initial installation of service or at any time subsequent to the installation of the service.

The optional features for which non-recurring charges apply are:

- Voice Grade Data Capability
- Voice Grade Telephoto Capability
- Program Audio Gain Conditioning
- Program Audio Stereo
- Wideband Data Transfer Arrangement

- (3) Service Rearrangements

Service rearrangements are changes to existing (installed) services which may be administrative only in nature, or that involve actual physical change to the service. Changes to pending orders are set forth in 5.3.1 preceding.

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

Changes in the physical location of the point of termination are treated as moves which are described and charged for as in 7.2.1(D)(4).

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

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- 7. Special Access Service (Cont'd)
- 7.2 Rate Categories, Applications, and Regulations (Cont'd)
- 7.2.1 Rate Categories (Cont'd)
- (D) Nonrecurring Charge (Cont'd)
- (3) Service Rearrangements (Cont'd)
- (a) (Cont'd)

Administrative changes are as follows:

- Change in name or ownership or transfer of responsibility from one customer to another, provided there is no interruption of use or relocation of Special Access service.
- Change of customer 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 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 agency authorization, and
- Change in jurisdiction involving no physical changes to the service.

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7. Special Access Service (Cont'd)

7.2 Rate Categories, Applications, and Regulations (Cont'd)

7.2.1 Rate Categories (Cont'd)

(D) Nonrecurring Charge (Cont'd)

(3) Service Rearrangements (Cont'd)

(b) All other service rearrangements will be charged for as follows:

- If the change involves the addition of another termination to an existing two-point or multipoint service, installation charges for each location added will apply.
- If the change involves the addition of an optional feature or multiplexing arrangement, the installation charge associated with the optional feature or multiplexing arrangement will apply. When the optional feature or arrangement has no associated nonrecurring charge (or rated at \$.00), one circuit termination nonrecurring charge for the type of service involved (i.e., voice grade circuit termination, DDS circuit termination, etc.) will be applied to the order.
- If the change involves only changing the type of network interface, with no change in facility, the installation charge associated with each service receiving a network interface change will apply.
- If the change involves changing a two-wire service to a four-wire service or vice versa, the installation charge for each location changed will apply.
- If the change involves only rollovers or grooming, then no charges will apply. A rollover is the retermination of a segment of a lower capacity special access service onto a higher capacity special access service. The rollover must occur in the wire center where the higher capacity service is multiplexed with no other changes to the lower capacity service being reterminated (i.e., the segment must not require rerouting to connect to the multiplexer of the higher capacity service).
- Grooming is the retermination of a lower capacity special access service from one channel in a higher capacity special access service to another channel in the same higher capacity service or to another channel in another higher capacity special access service (i.e., change in connecting facility assignment) in the same wire center, with no other changes to the lower capacity service.

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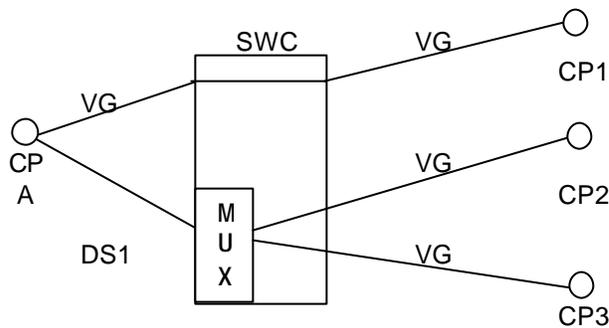
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- 7. Special Access Service (Cont'd)
- 7.2 Rate Categories, Applications, and Regulations (Cont'd)
- 7.2.1 Rate Categories (Cont'd)
- (D) Nonrecurring Charge (Cont'd)
- (3) Service Rearrangements (Cont'd)

Rollover – Example 1
Current Configuration

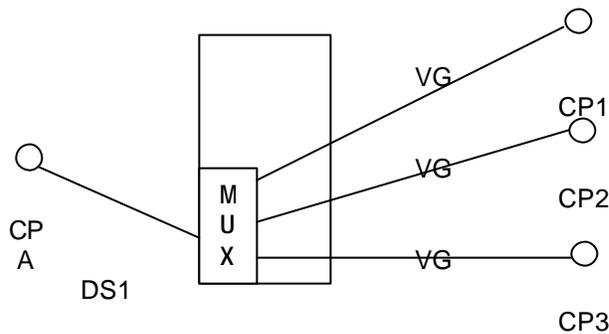
CP = Customer
Premises



The customer requests that the voiceband circuit (VG) between customer premises A and customer premises 1 be “rolled over” to the DS1 serving customer premises A. No. NRCs apply for this request.

Rollover – Example 1
New Configuration

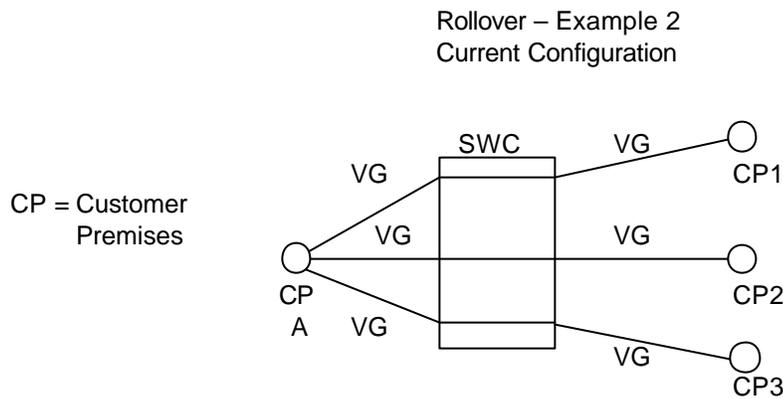
CP = Customer
Premises



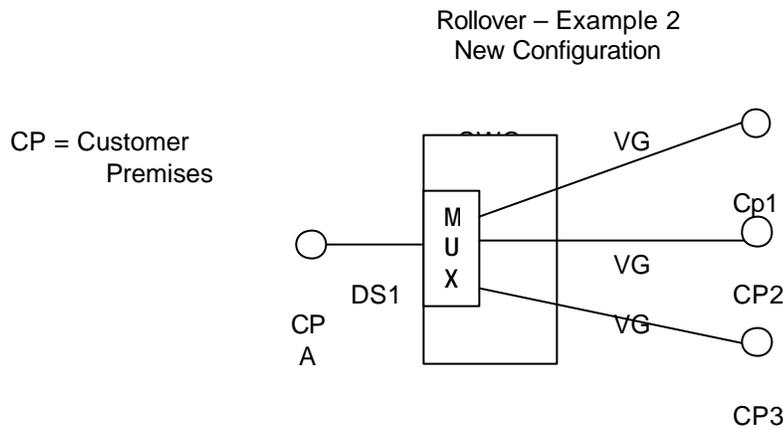
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- 7. Special Access Service (Cont'd)
- 7.2 Rate Categories, Applications, and Regulations (Cont'd)
- 7.2.1 Rate Categories (Cont'd)
- (D) Nonrecurring Charge (Cont'd)
- (3) Service Rearrangements (Cont'd)



The customer request the installation of DS1 between the serving wire center (SWC) and customer premises A and DS1/Voice multiplexer in the SWC. The customer also request that the voiceband circuits serving customer premises 1,2 and 3 be “rolled over” to the new DS1. All NRCs apply for the installation of the DS1 and multiplexer. No NRCs apply for the voiceband rollovers to the new high capacity circuit.

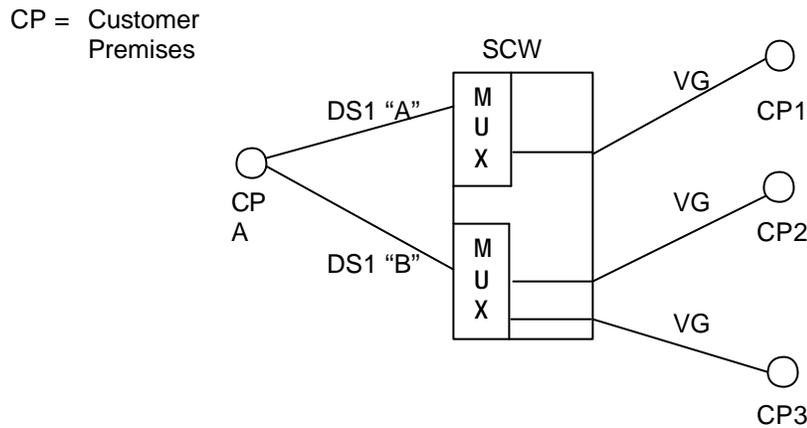


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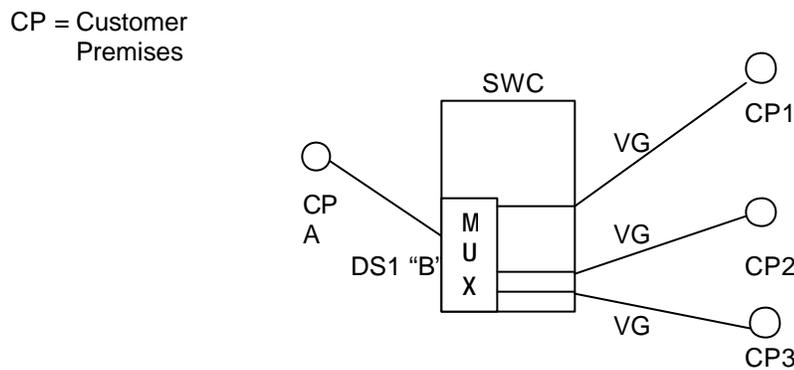
- 7. Special Access Service (Cont'd)
- 7.2 Rate Categories, Applications, and Regulations (Cont'd)
- 7.2.1 Rate Categories (Cont'd)
- (D) Nonrecurring Charge (Cont'd)
- (3) Service Rearrangements (Cont'd)

Grooming – Example 1
Current Configuration



The customer request that the voiceband (VG) circuit serving customer premises 1 be moved from the DS1 "A" circuit to the DS1 "B" circuit. No NRCs apply for this request.

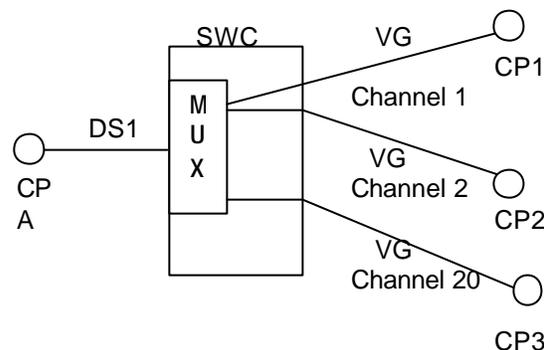
Grooming – Example 1
New Configuration



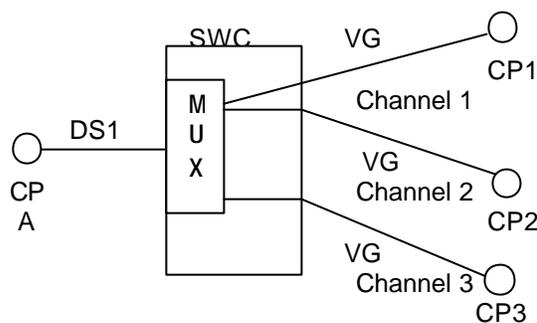
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7. Special Access Service (Cont'd)
- 7.2 Rate Categories, Applications, and Regulations (Cont'd)
- 7.2.1 Rate Categories (Cont'd)
- (D) Nonrecurring Charge (Cont'd)
- (3) Service Rearrangements (Cont'd)

Grooming – Example 2
Current ConfigurationCP = Customer
Premises

The customer request that the voiceband (VG) circuit serving customer premises 1 be moved from the DS1 "A" circuit to the DS1 "B" circuit. No NRCs apply for this request.

Grooming – Example 2
New ConfigurationCP = Customer
Premises

- If the change involves reterminations other than Rollover and/or Grooming, all NRCs associated with the installation of the lower capacity service will apply.
- In cases where multiple service rearrangements or an additional termination or a move and a service rearrangement are requested on a single ASR, the total charge will never exceed the full nonrecurring charge for the basic service.

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7. Special Access Service (Cont'd)

7.2 Rate Categories, Applications, and Regulations (Cont'd)

7.2.1 Rate Categories (Cont'd)

(D) Nonrecurring Charge (Cont'd)

(4) Moves

A move involves a change in the physical location of the point of termination of Special Access. A move normally involves an interruption of Special Access for the period required to complete the move. No credit allowance will be granted for that period. Special construction may also be applicable at the different customer premises.

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

The charge for the move depends on whether the move is within the same customer premises or to a different customer premises.

(a) Same CDL

When the move of a termination, as defined in Section 2.1.5, for special access is to a new point within the same customer premises (same address and/or same building), the charge for the move will be the installation charge for the portion of the service being reterminated. There will be no change in the minimum period requirements. For services subject to payment plan regulations, the same payment period will remain in force.

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7. Special Access Service (Cont'd)

7.2 Rate Categories, Applications, and Regulations (Cont'd)

7.2.1 Rate Categories (Cont'd)

(D) Nonrecurring Charge (Cont'd)

(4) Moves (Cont'd)

(b) Different Customer Premises

- (1) When the move is to a different customer premises (different address and different building), except as specified below, it will be treated as a disconnect and an installation of service. The appropriate service installation charge for the service termination(s) affected will apply. A new minimum period will be established for the installed Special Access Service. The customer will remain responsible for all minimum period charges associated with the disconnected Special Access Service. For services subject to payment plan regulations, a new payment plan will be established and full assessment of the remaining liabilities will be applicable.
- (2) When the move is to a different customer premises but served by the same serving wire center, the following conditions apply:
 - A change ASR will be required.
 - The appropriate service installation charge for the service termination(s) affected will apply.
 - For Special Access services subject to payment plan regulations, if the customer of record remains the same with no lapse in service, the appropriate NRCs for changes will apply. Otherwise, the move will be treated as a disconnect and an installation of service and all appropriate NRCs and full assessment of the remaining liabilities will be applicable.

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ACCESS SERVICE7. Special Access Service (Cont'd)7.2 Rate Categories, Applications, and Regulations (Cont'd)7.2.1 Rate Categories (Cont'd)(E) Surcharge for Special Access Service(1) General

Special Access Services provided under this tariff may be subject to the monthly Special Access Surcharge.

(2) Application

The Special Access Surcharge will apply to each interstate Special Access Service that terminates on an end user's PBX or other device where, through a function of the device, the Special Access Service interconnects to the local exchange network. The Surcharge will apply irrespective of whether the interconnection function is performed in equipment located at the customer's premises or in a Centrex CO-type switch.

The monthly Special Access Surcharge applies to special access facilities on a per voice equivalent basis as shown in the following example:

<u>Special Access Facility</u>	<u>Voice Grade Equivalent</u>		<u>Surcharge</u>	<u>Monthly Charge</u>
Group	12	x	\$25 =	\$300.00
DS1	24	x	\$25 =	\$600.00

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- 7. Special Access Service (Cont'd)
- 7.2 Rate Categories, Applications, and Regulations (Cont'd)
- 7.2.1 Rate Categories (Cont'd)
- (E) Surcharge for Special Access Service (Cont'd)
 - (2) Application (Cont'd)

In the case of multipoint special access facilities, one Special Access Surcharge will apply for each termination of a special access circuit at an end user's premises.

The Telephone Company will bill the customer who orders the special access facility the Special Access Surcharge per installation unless the facility is exempt from the surcharge as set forth in (3) following.

- (3) Exemption

The special access facility will be exempted from the monthly surcharge upon receipt of the customer's written certification for the following Special Access Service terminations:

- 1) an open-end termination in a Telephone Company switch of an FX line, including CCSA and CCSA-equivalent ONALs; or
- 2) an analog circuit termination that is used for radio or television program transmission; or
- 3) a termination used for TELEX service; or
- 4) a termination that by the nature of its operating characteristics could not make use of Telephone Company common lines such as terminations which are restricted through hardware or software; or
- 5) a termination that interconnects either directly or indirectly to the local exchange network where the usage is subject to Carrier Common Line charges, such as where the special access facility accesses only FGA and no local exchange lines, or special access facility between customer points of termination, or special access facility connecting CCSA or CCSA-type equipment (inter-machine trunks); or a termination that the customer certifies to the Telephone Company is not connected to a PBX or other device capable of interconnecting the special access facility to a local exchange subscriber line.

Written certification for exemption must include the reason the service is exempted from the surcharge using the categories of exemption as stated above. An ASR may be used for exemption certification, provided all information as required by this section is included. The Telephone Company will bill the surcharge to all customers who have not provided valid exemption certification.

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ACCESS SERVICE7. Special Access Service (Cont'd)7.2 Rate Categories, Applications, and Regulations (Cont'd)7.2.1 Rate Categories (Cont'd)(E) Surcharge for Special Access Service (Cont'd)(3) Exemption (Cont'd)

The Telephone Company will cease billing the Special Access Surcharge when certification that the Special Access facility has become exempt from the surcharge, as set forth preceding, is received. If the status of the special access facility was changed prior to the receipt of the exemption certification, the Telephone Company will credit the customer's account, not to exceed ninety days, based on the effective date of the change specified by the customer in the letter of certification.

<u>Rate</u>	<u>USOC</u>	<u>Monthly Rate</u>
Surcharge for Special Access Service		
- Applicable to all jurisdictions of the Issuing Carriers listed on Title Page 2.		
- Per Voice Grade Equivalent	S25	\$25.00

Special Access Cross Connect for EIS

The Special Access Cross Connect charge provides the communications path between Telephone Company provided DS0 (DDS operating at 64Kbps or Fractional T1 bandwidths), DS1 or DS3 Circuit Termination or Circuit Mileage and a customer's transmission equipment and facilities where the customer is provided EIS as defined in Section 17. The Special Access Cross Connect charge may also provide the communications path between a customer's transmission equipment and facilities where the customer is provided EIS and EIS arrangements of another customer via Dedicated Transport Service as set forth in Section 18.1. The Special Access Cross Connect is available as DS0, DS1 or DS3 connections. The DS0 Cross Connect can accommodate 64Kbps DDS and Fractional T1 bandwidths of 128 Kbps, 256 Kbps and 384 Kbps. The Cross Connect arrangement may be connected directly to Telephone company provided 64Kbps DDS or Fractional T1/DS0, DS1 or DS3 services or to a Telephone Company provided 64 Kbps DDS or Fractional T1/DS0, DS1, or DS3 multiplexing arrangement. The Cross Connect charge applies per DS0 (64Kbps), DS1, or DS3 connection.

Fractional T1 service can be designed to carry various DS0 combinations. Therefore, The DS0 Cross Connect charge for Fractional T1 will be assessed as follows:

128 Kbps: 2 DS0 Cross Connects
256 Kbps: 4 DS0 Cross Connects
384 Kbps: 6 DS0 Cross Connects

Rates for DS0, DS1, and DS3 Cross Connect arrangements listed in Section 7.11.5 will apply in addition to the other rates and charges as specified in Section 17.

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ACCESS SERVICE7. Special Access Service (Cont'd)7.2 Rate Categories, Applications and Regulations7.2.1 Rate Categories(G) DS1 Term Payment Plan (TPP)(1) Description

The DS1 Term Payment Plan (TPP) allows customers term discounts for DS1 circuit termination. A customer may select this service for either a single state or multi-state level. TPP is offered for a 1, 2, 3, or 5 year service commitment period for the DS1 circuit termination. All TPP DS1 circuit terminations will be billed the same rate, depending on the length of the term selected by the customer.

(2) Rate Changes

Decreases in the TPP monthly recurring circuit termination rates will be passed on to subscribers of the plan.

(3) Commitment Levels

To initiate a TPP, on either a single state or multi-state plan, the minimum commitment is as shown below.

Number of States	Minimum Number of Circuit Terminations
1	25
2	50
3	75
4	100
5 and over	125

The commitment levels will be met if the customer has the minimum number of DS1 TPP circuit terminations in service. If the customer has committed to more than the minimum number of circuit terminations required, as shown above, an allowance of minus 2% or plus 5 % will be considered as having met the commitment level.

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- 7. Special Access Service (Cont'd)
- 7.2 Rate Categories, Applications and Regulations
- 7.2.1 Rate Categories
- (G) DS1 Term Payment Plan (TPP)
- (4) Changes to Commitment Levels

Written notice must be submitted by the customer to change the commitment level of DS1 circuit terminations. If, as the result of increasing or decreasing the commitment level, service is changed from a TPP to a DS1 standard arrangement, or from a standard arrangement to a TPP arrangement an ASR will be required within 30 days for all services changed. Only one TPP arrangement will be allowed per customer for each term period. Penalties for decreasing the commitment level are discussed in 7.2.1(G)(8).

- (5) TPP Plan Enrollment

When the customer elects to enroll in a TPP they must specify, in writing, the enrollment date (which will be the anniversary date) and the commitment level. The specified enrollment date must be within 30 days of receipt. The customer must also select whether the TPP will be a single state or multi-state plan and specify the states to be included. By the specified date the customer must issue ASRs to add DS1 circuit terminations to the TPP and/or convert standard arrangement to the TPP to fall within the commitment range specified in 7.2.1(G)(3).

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ACCESS SERVICE

- 7. Special Access Service (Cont'd)
- 7.2 Rate Categories, Applications and Regulations
- 7.2.1 Rate Categories
- (G) DS1 Term Payment Plan (TPP)
- (6) Annual Review

Each customer's TPP will be reviewed annually. The customer will be notified in writing as to the status of the TPP. This notification will inform the customer of any TPP DS1 circuit terminations that must be converted. If the customer has increased the number of DS1 circuit terminations from the initial commitment beyond the range specified in 7.2.1(G)(3), he will have the option of increasing the commitment level for the remainder of the plan. If the customer chooses not to increase the commitment level of DS1 circuit terminations for the remaining year(s) of the plan, he must convert the increased number of DS1 circuit terminations to the standard payment plan. The DS1 circuit terminations that are converted to the standard payment plan will not be eligible for re-conversion to the TPP for a ten month period. The customer may decrease the commitment level at the time of the annual review and pay the applicable penalties for the amount of DS1 circuit terminations being decreased. The customer will have 30 days from receipt of this notification to convert DS1 circuit terminations.

If the customer does not take action during the 30 day period, the commitment level will be automatically changed to the number of TPP DS1 circuit terminations in effect at the anniversary date. Penalties will apply as set forth in 7.2.1(G)(8).

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- 7. Special Access Service (Cont'd)
- 7.2 Rate Categories, Applications and Regulations
- 7.2.1 Rate Categories
- (G) DS1 Term Payment Plan (TPP)
- (7) TPP Conditions

If a DS1 service has two DS1 circuit terminations, to include this service as part of a TPP, both DS1 circuit terminations must be in the TPP.

After enrolling in the plan, the customer may add or delete DS1 circuit terminations rated at the specified term period rate at any time during the plan. For example, if the customer agrees to a 2 year TPP, they may add DS1 circuit terminations at any time at the 2 year TPP rate.

Individual states can not be added or deleted during the plan period.

A customer may subscribe to only one plan for each term period within a given state.

- (8) Penalties for Failing To Meet Commitment

When the number of TPP Services at the annual review is less than the acceptable commitment range, the following penalty charges will apply, based on the difference between the commitment level less 2% and the number of TPP services in effect at the annual review. For example, if the commitment level is 100 and the customer has 90 DS1 TPP circuit terminations at time of annual review, the penalties described below will be applied to the difference of 98 (2% less than 100) and 90, which would be 8 in this example.

- (a) The penalties charged during the first year of the TPP will be the full MRC for 4 months plus 10% of the MRC for the remaining number of months.
- (b) The penalties charged during the subsequent years of the TPP will be 10% of the MRC for 4 months plus 10% of the MRC for the remaining number of months.

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7. Special Access Service (Cont'd)

7.2 Rate Categories, Applications and Regulations

7.2.1 Rate Categories

(G) DS1 Term Payment Plan (TPP)

(9) TPP Nonrecurring Charge

Customers subscribing to a TPP will be assessed a nonrecurring charge per circuit termination except in the following conditions:

- when converting standard arrangement circuit terminations to a TPP.

(10) Changes in Length of a TPP Period

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

- no credit will be given for the new payment period for payments made under the original TPP arrangement
- NRCs will not be reapplied for existing service(s)
- if the new TPP period is shorter in length than the time remaining under the existing TPP, the change to the new TPP period constitutes a disconnect of the existing TPP service and termination liability charges will apply
- the rates for the new period will be the rates currently in effect at the time of the change.

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ACCESS SERVICE7. Special Access Service (Cont'd)7.2 Rate Categories, Applications and Regulations7.2.1 Rate Categories(G) DS1 Term Payment Plan (TPP)(11) Renewal Options

At the expiration of a TPP period, the customer may select a new TPP period or convert to a month to month payment plan. If the customer fails to make this selection, the Telephone Company will notify the customer and continue one additional month of TPP billing. If the customer does not select a new payment plan within 30 days from the expiration date, billing will automatically convert to the DS1 month to month payment plan.

At the expiration of the TPP period, if the customer renews at the DS1 quantity in service at the end of his previous TPP, or a greater quantity, and makes no change in the selected states, then any penalties that may need to be assessed at the first anniversary of the renewal period will be assessed as set forth in 7.2.1(G)(8)(b). The rates for the renewal period will be the rates in effect at the time of the renewal.

(12) Upgrade to Higher Speed Service

The customer may upgrade service to a higher speed during a TPP period. The upgraded service will be subject to all appropriate NRCs.

If both of the following conditions exist, the commitment level will be decreased by the number of TPP DS1 circuit terminations that are upgraded to a higher speed service.

- The customer must notify the Telephone Company in writing in addition to the ASR.
- The higher speed service period must be longer in length than the time remaining under the TPP.

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- 7. Special Access Service (Cont'd)
- 7.2 Rate Categories, Applications and Regulations
- 7.2.1 Rate Categories
- (H) Optional Payment Plan (OPP)
 - (1) General
 - (a) The terms and conditions specified herein are applicable to Fractional T1 Service (FT1).
 - (b) Only the Circuit Termination rate element is available under an OPP. All other associated rate elements or additional features are available at the minimum month-to-month tariffed rates and regulations.
 - (c) FT1 Circuit Termination rates will not be greater than minimum month-to-month tariffed rates and regulations.
 - (d) Three year and five year OPP rates will be equal to or less than the one year OPP rates. Decreases to the one year OPP will flow through to the three year and five year OPP.
 - (e) Payment periods of one year, three year, and five year are available to all customers at the applicable rates set forth in 7.11.5(A) regardless of when they subscribe to an OPP arrangement.
 - (f) The customer must designate on the ASR the payment period for the OPP.
 - (g) Inside moves, provided in accordance with 7.2.1(D)(4), will not incur termination liability charges.
 - (h) Outside moves, provided in accordance with 7.2.1(D)(4)(b), will allow the customer to retain the same OPP payment period. Any other move will be treated as a disconnect of the service and termination liability charges will apply.

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ACCESS SERVICE7. Special Access Service (Cont'd)7.2 Rate Categories, Applications and Regulations7.2.1 Rate Categories(H) Optional Payment Plan (OPP)(2) Changes in Length of OPP Period

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

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

(3) Renewal Options

- (a) At the expiration of an OPP period, the Telephone Company will automatically renew the service at the same OPP period unless the customer chooses to convert to a different OPP period, convert to month-to-month rates or discontinue service.
- (b) Conversion to a different OPP period will require the customer to submit a change order ASR. conversion to a different OPP period will be allowed without application of any nonrecurring or ordering charges.
- (c) Conversion to month-to-month rates will be treated as a disconnect of service and establishment of new service. If no other changes are ordered, no NRCs will apply.

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7. Special Access Service (Cont'd)

7.2 Rate Categories, Applications and Regulations

7.2.1 Rate Categories

(H) Optional Payment Plan (OPP)

(4) Notification of Discontinuance

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

(5) Upgrade to Higher Speed Service

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

- The upgraded service will be subject to all appropriate nonrecurring charges.
- Termination liability charges will not apply as long as the upgraded service remains connected at the same point of termination(s) or meets the requirements set forth in 7.2.1(D)(3)(b).
- If the upgrade involves establishing a multiplexing arrangement, termination liability charges will not apply if the hub wire center is the same one associated with the customer designated location.

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- 7. Special Access Service (Cont'd)
- 7.2 Rate Categories, Applications and Regulations
- 7.2.1 Rate Categories
- (H) Optional Payment Plan (OPP)
- (6) Termination Liability

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

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

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

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

- (7) Termination Without Liability

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

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

- The changes service will be subject to all appropriate nonrecurring charges.
- Termination liability charges will no apply as long as the changed service remains connected at the same point of termination(s) or meets the requirements of 7.2.1(D)(4)(b)(2).
- If the change involves establishing a multiplexing arrangement, termination liability charges will not apply if the hub wire center is the same one associated with the customer designated location.

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ACCESS SERVICE7. Special Access Service (Cont'd)7.2 Rate Categories, Applications, and Regulations (Cont'd)7.2.2 Minimum Periods

The minimum service period for all services except part-time and occasional Video and Program Audio services and High Capacity DS3 services is one month. The minimum service period for part-time Video and Program Audio Services is one day even though the service will be provided only for the duration of the event specified on the order (e.g., one-half hour, two hours, five hours, etc.). The minimum period for High Capacity DS3 Service is that period requested by the customer as set forth in Section 7.2.6 (B) following.

7.2.3 Application of Daily and Monthly Rates(A) Daily Rates

Daily rates are recurring rates that apply to each 24 hour period or fraction thereof that a Video or Program Audio Special Access Service provided for part-time or occasional use. For purposes of applying daily rates, the 24 hour period is not limited to a calendar day.

Part-time Program Audio or Video Service ordered on one Access Service Request and provided within a consecutive 30 day period will be charged the daily rate, not to exceed an amount equal to the monthly rate. For each subsequent day or part day, a charge equal to 1/30th of the monthly rate shall apply.

(B) 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.

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7. Special Access Service (Cont'd)

7.2 Rate Categories, Applications, and Regulations (Cont'd)

7.2.4 Facility Hubs and Multiplexing

A customer has the option of ordering Voice Grade facilities or High Capacity facilities (i.e., Group, Supergroup, Mastergroup, DS1, DS1C, DS2, DS3 or DS4) to a facility hub for multiplexing to individual services of a lower capacity or bandwidth (e.g., Telegraph, Voice, Program Audio, etc.). Additionally, the customer may specify optional features for the individual circuits derived from the facility to further tailor the circuit to meet specific communications requirements.

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 circuits

A hub is a Telephone Company designated wire center at which multiplexing functions are performed.

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 placing an Access Service Request the customer will specify the desired hub. The National Exchange Carrier Association Tariff FCC No. 4 identifies serving wire centers, hub locations and the type of multiplexing functions available.

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- 7. Special Access Service (Cont'd)
- 7.2 Rate Categories, Applications, and Regulations (Cont'd)
- 7.2.4 Facility Hubs and Multiplexing (Cont'd)

Point to point services may be provided on circuits of these facilities to a hub. The transmission performance for the point to point service provided between the customer designated premises will be that of the lower capacity or bit rate.

The Telephone Company will commence billing the monthly rate for the facility to the hub on the date specified by the customer on the Access Service Request. The customer will be billed for a High Capacity or Voice Grade Circuit Termination, Circuit Mileage, Special Access Cross Connect and the multiplexer for the service at the time the facility is installed. 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. Individual service rates (by service type) will apply for a Circuit Termination and additional Circuit Mileage (as required) for each channelized service. These will be billed to the customer as each individual service is installed.

Cascading multiplexing occurs when a high capacity circuit is de-multiplexed to provide circuits with a lesser capacity and one of the lesser capacity circuits is further de-multiplexed. 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, Circuit Mileage charges also apply between the hubs.

Although not requiring multiplexing, the Telephone Company will designate certain hubs for Video and Program Audio Services. Full-time service will be provided between a customer designated premises and a hub and billed accordingly at the monthly rates set forth in 7.6.5 and 7.7.4 for a Circuit Termination, and Circuit Mileage and Optional Features and Functions as applicable. The customer may order part-time and occasional Program Audio or Video services as needed between the hub and a second customer designated premises. The rate elements required to provide the part-time or occasional service (i.e., Circuit Termination, and Circuit Mileage and Optional Features as applicable) will be billed at daily rates for the duration of the service requested.

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ACCESS SERVICE

- 7. Special Access Service (Cont'd)
- 7.2 Rate Categories, Applications, and Regulations (Cont'd)
- 7.2.5 Shared Use Analog and Digital High Capacity Services

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

If the facility is ordered as Special Access, rating as Special Access will continue until such time as a portion of the available capacity is used to provide Switched Access Service. As individual channels are activated for Switched Access, monthly charges will be apportioned between Switched and Special Access based on the number of channels used for Switched Access and the number of remaining channels on the Special Access facility according to the following formula: 1) the total shared use charge is equal to the Monthly Switched Access Charge times the number of channels used for Switched Access divided by 24 for DS1 or 672 for DS3 plus the monthly Special Access Charge times the number of channels remaining for Special Access divided by 24 for DS1 or 672 for DS3.

If the facility is ordered as Switched Access, rating as Switched Access will continue until such time as a portion of the available capacity is used to provide Special Access service. As individual channels are activated for Special Access, monthly charges will be apportioned between Switched and Special Access based on the number of channels used for Special Access and the number of remaining channels on the Switched Access Facility according to the following formula: 1) the total shared use charge is equal to the Monthly Special Access Charge times the number of channels used for Special Access divided by 24 for DS1 or 672 for DS3 plus the monthly Switched Access Charge times the number of channels remaining for Switched Access divided by 24 for DS1 or 672 for DS3.

The monthly switched and special access rate used will be the appropriate rate (Special Access Circuit Termination, Circuit Mileage-Fixed and Per Mile, and/or Multiplexer rates, and Switched Access Entrance Facility, Direct-Trunked Transport and/or Multiplexer rates) for the underlying shared use facility, e.g., if the underlying facility is a special access DS3 service, the corresponding Switched Access DS3 Transport will be used to determine the Switched Access monthly charges.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Rate Categories, Applications, and Regulations (Cont'd)

7.2.6 DS3 High Capacity

(A) A DS3 (44.736Mbps) High Capacity Circuit Termination may be ordered as an Individual, 3-System or 12-System. A Circuit Termination may be ordered with an electrical or optical interface.

DS3 Circuit Terminations are non-distance sensitive and are provided on a protected basis.

Individual System

An Individual System is a single DS3 between a CDL and the serving wire center. The appropriate NRC is applied per Circuit Termination.

Transport rate elements are applied per Circuit Termination when transport between offices is required. In instances when a Circuit Termination is ordered to a second CDL in conjunction with an Individual System Circuit Termination and Transport between offices is required Transport rate elements are applied per circuit.

3-System

The 3-System allows the same customer, between the same CDL and the serving wire center, to order additional DS3 Circuit Terminations, up to a maximum of two. Additional Circuit Terminations may only be added with the same interface, electrical or optical, as the First System. The appropriate NRC is applied per Circuit Termination.

Transport rate elements are applied per Circuit Termination when transport between offices is required. In instances when a Circuit Termination is ordered to a second CDL in conjunction with a 3-System Circuit Termination and Transport between offices is required Transport rate elements are applied per circuit.

12-System

The 12-System allows the same customer, between the same CDL and the serving wire center, to order additional DS3 Circuit Terminations, with a maximum of eleven. Additional Circuit Terminations may only be added with the same interface, electrical or optical, as the First System. The appropriate NRC is applied per Circuit Termination.

Transport rate elements are applied per Circuit Termination when transport between offices is required. In instances when a Circuit Termination is ordered to a second CDL in conjunction with a 12-System Circuit Termination and Transport between offices is required Transport rate elements are applied per circuit in accordance with Section 7.2.1(B).

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ACCESS SERVICE7. Special Access Service (Cont'd)7.2 Rate Categories, Applications, and Regulations (Cont'd)7.2.6 DS3 High Capacity (Cont'd)(B) Minimum Service Periods (Cont'd)

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

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

(C) Expiration of Service Periods

At the expiration of a service commitment period, the customer may select a new DS3 commitment period. If the customer does not select a new minimum service period within 60 days from the expiration date, billing will remain at the current service period and a new DS3 service period will begin based on the previously effective service period. All terms and conditions, including subsequent Termination Liabilities will apply to the new DS3 Period.

Customers with expired service periods for the Individual System, Three System and Unlimited System DS3s, prior to the effective date of this tariff offering will have up to 180 days to select a new commitment service period. If the customer does not select a new service period within 180 days of the effective date of this tariff, billing will remain at the current service period and a new DS3 minimum service period will begin based on the last service period. The beginning date of the new service period will be the date immediately following the expiration date of the expired service period. This does not apply to the grandfathered DS3 Group System service offerings.

(D) Discontinuance Without Liability - DS3 Minimum Service Period

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

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ACCESS SERVICE

- 7. Special Access Service (Cont'd)
- 7.2 Rate Categories, Applications, and Regulations (Cont'd)
- 7.2.6 DS3 High Capacity (Cont'd)
- (E) Discontinuance With Liability - DS3 Minimum Service Period

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

<u>Year In Which Service Is Discontinued</u>	<u>Liability Rate</u>
1	45%
2	30%
3	25%
4	20%
5	15%
6	10%
7	5%

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

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7. Special Access Service (Cont'd)

7.2 Rate Categories, Applications, and Regulations (Cont'd)

7.2.6 DS3 High Capacity (Cont'd)

(F) Notification of Discontinuance

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

(G) Upgrade to a Larger Capacity System

At the customer's option, upgrades from a smaller capacity system to a larger capacity system will be allowed. All appropriate NRCs for the larger capacity system will apply. Credit will not be given for any number of months the original system was maintained. A new minimum service period will be required for the larger capacity system.

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ACCESS SERVICE7. Special Access Service (Cont'd)7.2 Rate Categories, Applications, and Regulations (Cont'd)7.2.6 DS3 High Capacity (Cont'd)(H) Downgrade to a Smaller Capacity System

Downgrades from a larger capacity system to a smaller capacity system will not be allowed without the full assessment of the liabilities described in (E) preceding for the original larger system, plus the full application of all charges for the smaller system. Credit will not be given for any number of months the original system was maintained. A new minimum service period will be required for the smaller capacity system.

(I) Service Disconnect

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

(J) Conversion to Tariff - ICB DS3 Service

All Individual Case Basis (ICB) DS3 service arrangements will be converted to general tariff rates no later than one year from the effective date of this filing.

When an ICB DS3 customer paid a higher Nonrecurring Charge (NRC) for installation and a lower Monthly Recurring Charge (MRC) for DS3 service than is applicable under the general DS3 tariff offering, a credit will be made to the customer's account, less any benefit received for the lower MRC, for the excess amount. The credit will be calculated and the customer will be informed of the amount within 30 days after the customer either converts to general DS3 tariff service or terminates the ICB DS3 service. The credit amount will be applied to the customer's bill as a lump sum. The credit amount will be calculated as follows:

$$\text{NRC Credit} = (\text{ICB NRC}) - (\text{Effective Tariff NRC}) - (\text{MRC Benefit})$$

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ACCESS SERVICE

- 7. Special Access Service (Cont'd)
- 7.2 Rate Categories, Applications, and Regulations (Cont'd)
- 7.2.6 DS3 High Capacity (Cont'd)
- (J) Conversion to Tariff - ICB DS3 Service (Cont'd)

The MRC benefit is equal to the present worth of the difference between the current MRC and the ICB MRC, discounted at one percent per month in service. In no event will the MRC benefit be less than zero. This calculation is shown below:

$$\text{MRC Benefit} = (\text{Current MRC} - \text{ICB MRC}) \times \frac{(1+i)^n - 1}{i \times (1+i)^n}$$

n = Number of months in service

i = Monthly interest rate expressed as a decimal (.01)

For purposes of determining the current general DS3 NRC amount, the ICB service will be matched to the general DS3 offering based on capacity size (1, 3 or 12), and the rate plan term (1, 3, 5 or 7) closest to the ICB's Maximum Termination Liability (MTL) period. For example, if an ICB DS3 was provided at the customer's request on a three capacity DS3 system with a ten year MTL, then the ICB NRC would be compared to the current rate for a three capacity system with a seven year rate plan.

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ACCESS SERVICE7. Special Access Service (Cont'd)7.2 Rate Categories, Applications, and Regulations (Cont'd)7.2.7 MetroLAN Circuit Mileage(A) Description

MetroLAN Circuit Mileage provides DS1 facilities between two or more serving wire centers located on a Telephone Company fiber optic ring. MetroLAN Circuit Mileage is provided at a flat-rate per month charge per DS1 facility, per LAN traversed regardless of the number of miles the circuit is routed on the fiber ring.

(B) Conversion of Existing DS1 Circuit Mileage

Current DS1 Circuit Mileage can be replaced by MetroLAN. Customers must submit an ASR to convert existing DS1 Circuit Mileage to MetroLAN.

(C) Discontinuance of Service

If a DS1 Circuit Termination is discontinued, the MetroLAN portion of the circuit will also be discontinued.

MetroLAN Circuit Mileage may be converted to standard special access Circuit Mileage rates (i.e., per airline mile) at any time at no charge.

(D) Continuation of Service Off the Ring

MetroLAN DS1 circuits can be routed any distance on a fiber optic ring. When the DS1 circuit leaves the ring for continuation on the network, normal tariff rates will be assessed for the portion of the route not on the ring.

(E) Service Availability

MetroLAN DS1 Circuit Mileage is available to all DS1 customers in the Telephone Company serving areas in which fiber optic rings are deployed. The wire centers in which MetroLAN is available are identified in NECA Tariff FCC No. 4. MetroLAN is provided between serving wire centers located on the same fiber optic ring within the following Telephone Company metropolitan serving areas:

<u>Jurisdiction</u>	<u>Metropolitan Serving Area</u>
Missouri	Branson

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ACCESS SERVICE7. Special Access Service (Cont'd)7.3 Metallic Service7.3.1 Basic Circuit Description

A Metallic circuit is an unconditioned two-wire circuit capable of transmitting low speed varying signals at rates up to 30 baud. Metallic circuits are provided between customer designated premises or between a customer designated premises and a Telephone Company hub where bridging functions are performed. Interoffice metallic facilities will be limited in length to a total of five miles per circuit.

Technical Specifications Packages

7.3.2	<u>Parameter</u>	<u>Package MT-</u>			
		<u>C</u>	<u>1</u>	<u>2</u>	<u>3</u>
	DC Resistance				
	Between Conductors	X	X	X	
	Loop Resistance	X			X
	Shunt Capacitance	X			X

The technical specifications are delineated in Technical Publication TR-NPL-000336.

7.3.3 Channel Interfaces

Compatible channel interfaces are set forth in 9. following.

7.3.4 Optional Features and Functions(1) Central Office Bridging Capability

- (a) Three Premises Bridging - Provision of tip-to-tip and ring-to-ring connection in a central office of a metallic pair to a third customer premises.
- (b) Series Bridging of up to 26 customer premises.

The following table shows the technical specifications packages with which the optional features and functions are available.

	<u>Available with Technical Specifications Package MT-</u>			
	<u>C</u>	<u>1</u>	<u>2</u>	<u>3</u>
Three Premises Bridging	X	X		X
Series Bridging	X		X	

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7. Special Access Service (Cont'd)7.3 Metallic Services (Cont'd)7.3.5 Rates and Charges

- (A) Circuit Termination
 - Per Point of Termination
 - USOC - TMECS

<u>Jurisdiction</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>
Alabama	\$27.23	\$200.00
Missouri	23.93	200.00

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7. Special Access Service (Cont'd)7.3 Metallic Service (Cont'd)7.3.5 Rates and Charges (Cont'd)

(B) Circuit Mileage

<u>Jurisdiction</u> (USOC)	Monthly Rates <u>Fixed</u> (TRG)	Monthly Rates <u>Per Mile</u> (1LFSX)
Alabama	\$14.40	\$1.51
Missouri	10.60	1.49

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ACCESS SERVICE7. Special Access Service (Cont'd)7.3 Metallic Services (Cont'd)7.3.5 Rates and Charges (Cont'd)(C) Optional Features and Functions

- (1) Bridging
 - Per Port
 - USOC - BCNM3, Three Premises Bridging
 - BCNMS, Series Bridging

<u>Jurisdiction</u>	<u>Three Premises Bridging Monthly Rate</u>	<u>Series Bridging Monthly Rate</u>
Alabama	\$8.00	\$8.00
Missouri	\$8.00	\$8.00

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ACCESS SERVICE7. Special Access Service (Cont'd)7.4 Telegraph Grade Service7.4.1 Basic Service Description

A Telegraph Grade circuit is an unconditioned circuit capable of transmitting binary signals at rates of 0-75 baud or 0-150 baud. This circuit is furnished for half-duplex or duplex operation. Telegraph Grade circuits are provided between customer designated premises or between a customer designated premises and a Telephone Company hub.

7.4.2 Technical Specifications Packages

<u>Parameter</u>	<u>Package TG-</u>		
	<u>C</u>	<u>1</u>	<u>2</u>
Telegraph Distortion	X	X	X

The technical specifications are delineated in Technical Reference TR-NPL-000336.

7.4.3 Channel Interfaces

Compatible channel interfaces are set forth in 9. following.

7.4.4 Optional Features and Functions

(1) Telegraph Bridging (two-wire and four-wire)

The following table shows the technical specifications packages with which the optional features and functions are available.

	<u>Available with Technical Specifications Package TG-</u>		
	<u>C</u>	<u>1</u>	<u>2</u>
Telegraph Bridging	X	X	X

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7. Special Access Service (Cont'd)7.4 Telegraph Grade Service (Cont'd)7.4.5 Rates and Charges

(A)	Circuit Termination		
	- Per Point of Termination		
	- USOC - TME2X, 2-Wire		
		2-Wire	2-Wire
		Monthly	Nonrecurring
	<u>Jurisdiction</u>	<u>Rates</u>	<u>Charges</u>
	Alabama	\$27.23	\$200.00
	Missouri	23.93	200.00

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7. Special Access Service (Cont'd)7.4 Telegraph Grade Service (Cont'd)7.4.5 Rates and Charges (Cont'd)

(A) Circuit Termination (Cont'd)

- Per Point of Termination
- USOC - TME4X, 4-Wire

<u>Jurisdiction</u>	4-Wire Monthly <u>Rates</u>	4-Wire Nonrecurring <u>Charges</u>
Alabama	\$41.88	\$200.00
Missouri	28.85	200.00

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7. Special Access Service (Cont'd)7.4 Telegraph Grade Service (Cont'd)7.4.5 Rates and Charges (Cont'd)(B) Circuit Mileage
- Per Point of Termination

<u>Jurisdiction</u> (USOC)	Monthly Rates <u>-Fixed</u> (TRG)	Monthly Rates <u>- Per Mile</u> (1LFSX)
Alabama	\$14.40	\$1.51
Missouri	10.60	1.49

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ACCESS SERVICE7. Special Access Service (Cont'd)7.4 Telegraph Service (Cont'd)7.4.5 Rates and Charges (Cont'd)

(C) Optional Features and Functions

- (1) Telegraph Bridging
 - Per Port
 - USOC - BCNT2, 2-Wire
 BCNT4, 4-Wire

<u>Jurisdiction</u>	<u>2-Wire Bridging Monthly Rate</u>	<u>4-Wire Bridging Monthly Rate</u>
Alabama	\$8.00	\$8.00
Missouri	8.00	8.00

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ACCESS SERVICE7. Special Access Service (Cont'd)7.5 Voice Grade Service7.5.1 Basic Circuit Description

A Voice Grade Circuit is a circuit 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. Effective 2wire and 4wire circuits are available as an Optional Feature and Function. Voice Grade circuits are provided between customer designated premises or between a customer designated premises and a Telephone Company hub.

Voice Grade Service may be ordered in conjunction with Switched Access services as set forth in Section 6.3.2 preceding to provide access for a customer's communications service (e.g., WATS, 800, 888, or WATS-type service). When the customer orders the Switched Access Interface Arrangement, Voice Grade Circuits provide voice frequency transmission capability between an end user premises and a WATS Serving Office (WSO). All applicable Special Access rates and charges apply (including Optional Features and Functions charges). Technical Specifications and Optional Features and Functions available with this arrangement are indicated under Package VG-SI in 7.5.5 following.

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7. Special Access Service (Cont'd)7.5 Voice Grade Service (Cont'd)7.5.2 Technical Specifications Packages

Parameter	Package VG-													
	C*	1	2	3	4	5	6	7	8	9	10	11	12	SI
Attenuation														
Distortion	X	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	X
Echo Control	X	X	X	X		X		X	X		X	X	X	X
Envelope Delay														
Distortion	X					X	X	X	X	X	X	X	X	X
Frequency Shift	X					X	X	X	X	X	X	X	X	X
Impulse Noise	X				X	X	X	X	X	X	X	X	X	X
Intermodulation														
Distortion	X					X	X	X	X	X	X	X	X	X
Loss Deviation	X	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	X	X	X
Return Loss														X
Signal-to-C														
Message Noise					X									
Signal-to-C														
Notch Noise	X				X	X	X	X	X	X	X	X	X	X

The technical specifications for these parameters (except for dropouts, gain hits, and phase hits) are delineated in Technical Reference TR-NPL-000335 and associated Addendum. The technical specifications for dropouts, phase hits, and gain hits are delineated in Technical Reference PUB 41004, Table 4.

*

The desired parameters are selected by the customer from the list of available parameters.

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ACCESS SERVICE7. Special Access Service (Cont'd)7.5 Voice Grade Service (Cont'd)7.5.3 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 9. following.

7.5.4 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 and four-wire)
- (d) Dataphone Select-A-Station Bridging with sequential arrangement ports or addressable arrangement ports
- (e) Telemetry and Alarm Bridging, Split Band-Active Bridging, Passive Bridging, Summation-Active Bridging

(2) Central Office Multiplexing

Voice to Telegraph Grade: An arrangement that converts a Voice Grade circuit to Telegraph Grade circuits using frequency division multiplexing.

(3) Conditioning

Conditioning provides more specific transmission characteristics for Voice Grade services. C-Type conditioning controls attenuation distortion and envelope delay distortion. Sealing Current helps maintain continuity on dry metallic loops.

For two-point services, the parameters apply to each service. For multipoint services, the parameters apply to each mid link or end link. C-Type conditioning and Data Capability may be combined on the same service.

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7. Special Access Service (Cont'd)

7.5 Voice Grade Service (Cont'd)

7.5.4 Optional Features and Functions (Cont'd)

(3) 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 GType Conditioning are delineated in Technical Reference TR-NPL-000335.

(b) Improved C-Type Conditioning

Improved C-Type Conditioning options are provided in conjunction with GType Conditioning at the rates set forth in Section 7.5.5 following. The GType Conditioning rate shall apply only once regardless if one or both of the following Improved Options are ordered.

(i) Improved Attenuation Distortion

Improved Attenuation Distortion upgrades the frequency versus loss limits of the channel. The technical specifications for Improved Attenuation Distortion are delineated in Technical Reference TR-NPL-000335. This option is provided in conjunction with C-Type conditioning.

(ii) Improved Envelope Delay Distortion

Improved Envelope Delay Distortion upgrades the frequency versus delay response limits of the channel. The technical specifications for Improved Envelope Delay Distortion are delineated in Technical Reference TR-NPL-000335. This option is provided in conjunction with C-Type conditioning.

(c) Sealing Current

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.

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7. Special Access Service (Cont'd)

7.5 Voice Grade Service (Cont'd)

7.5.4 Optional Features and Functions (Cont'd)

(4) Customer Specified Premises Receive Level

This option allows the customer to specify the receive level at the Point of Termination. This level must be within a specific range on effective four-wire transmission. The ranges are delineated in Technical Reference TR-NPL-000335.

(5) 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 TR-NPL-000335.
- (b) On Effective Four-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 TR-NPL-000335.

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ACCESS SERVICE

7. Special Access Service (Cont'd)
- 7.5 Voice Grade Service (Cont'd)
- 7.5.4 Optional Features and Functions (Cont'd)

(6) Data Capability

Data Capability provides transmission characteristics suitable for data communications. Specifically, Data Capability provides for the control of Signal to C-Notched Noise Ratio and intermodulation distortion. It is available for two-point services or multipoint services.

The Signal to C-Notched Noise Ratio and intermodulation distortion parameter for Data Capability are:

- Signal to C-Notched Noise Ratio is greater than or equal to 32dB Intermodulation distortion
- Signal to second order modulation products (R2) is greater than or equal to 38dB
- Signal to third order modulation products (R3) is greater than or equal to 42 dB

When a service equipped with Data Capability is used for voice communications, the quality of the voice transmission may not be satisfactory.

(7) 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 of telephotographic services. The attenuation distortion and envelope delay distortion parameters for Telephoto Capability are:

Attenuation Distortion
(1004Hz Reference)

<u>Frequency Range (Hz)</u>	<u>Variation (dB)</u>
500-3000	-0.5 to +1.5
300-3200	-1.0 to +2.5

Envelope Delay Distortion

<u>Frequency Range (Hz)</u>	<u>Variation (mcs)</u>
1000-2600	110
800-2800	180

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ACCESS SERVICE7. Special Access Service (Cont'd)7.5 Voice Grade Service (Cont'd)7.5.4 Optional Features and Functions (Cont'd)(8) Signaling Capability

Signaling Capability provides for the ability to transmit signals from one customer premises to another customer premises on the same service.

(9) Selective Signaling Arrangement

An arrangement that permits code selective ringing for up to ten codes on a multipoint service.

(10) Transfer Arrangement

An arrangement that affords the customer an additional measure of flexibility in the use of their access circuits. The arrangement can be utilized to transfer a leg of a Special Access Service to another circuit that terminates in either the same or a different customer premises. A key activated or dial-up control service is required to operate the transfer arrangement. A spare circuit, if required, is not included as part of the option.

(11) Four-Wire/Two-Wire Conversions

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.

The term "Effective 4Wire" 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.

When a customer requests that an effective four-wire circuit be terminated with a two-wire circuit interface at the customer designated premises, a four-wire to two-wire conversion is required. The customer will be charged the 4-wire Circuit Termination rate when an effective four-wire is specified in the customer's order. The rate for the conversion is included as part of the basic Circuit Termination rate.

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7. Special Access Service (Cont'd)7.5 Voice Grade Service (Cont'd)7.5.4 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													SI
	Specifications Package VG-													
	C*	1	2	3	4	5	6	7	8	9	10	11	12	
C-Type Conditioning Central Office	X						X	X	X	X	X	X		
Bridging Capability Central Office	X		X			X	X				X	X	X	
Multiplexing Customer Specified	X						X							
Premises Receive Level	X		X	X				X	X	X				
Data Capability Improved Return Loss	X						X	X			X			
-For Effective Four- Wire Transmission	X	X	X	X	X	X	X	X	X	X	X	X	X	X
-For Effective Two- Wire Transmission	X		X	X				X						X
Sealing Current Conditioning	X						X							
Selective Signaling Arrangement	X		X			X	X				X	X	X	
Signaling Capability Transfer Arrangement	X	X	X	X	X	X	X	X	X	X	X	X	X	#

(#) Signaling is provided in conjunction with Switched Access as set forth in 6.3.2(T) preceding.

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ACCESS SERVICE

7. Special Access Service (Cont'd)7.4 Telegraph Grade Service (Cont'd)7.4.5 Rates and Charges(A) Circuit Termination
- Per Point of Termination
- USOC - TME2X, 2-Wire

<u>Jurisdiction</u>	<u>2-Wire Monthly Rates</u>		<u>2-Wire Nonrecurring Charges</u>
Alabama	\$27.23	(R)	\$200.00
Missouri	23.93	(R)	200.00

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ACCESS SERVICE

7. Special Access Service (Cont'd)7.4 Telegraph Grade Service (Cont'd)7.4.5 Rates and Charges (Cont'd)(A) Circuit Termination (Cont'd)
- Per Point of Termination
- USOC - TME4X, 4-Wire

<u>Jurisdiction</u>	<u>4-Wire Monthly Rates</u>		<u>4-Wire Nonrecurring Charges</u>
Alabama	\$41.88	(R)	\$200.00
Missouri	28.85	(R)	200.00

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ACCESS SERVICE

7. Special Access Service (Cont'd)
 7.4 Telegraph Grade Service (Cont'd)
 7.4.5 Rates and Charges (Cont'd)
 (B) Circuit Mileage
 - Per Point of Termination

<u>Jurisdiction</u> (USOC)	Monthly Rates <u>-Fixed</u> (TRG)	Monthly Rates <u>- Per Mile</u> (1LFSX)	
Alabama	\$14.40	\$1.51	(R)
Missouri	10.60	1.49	(R)

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ACCESS SERVICE7. Special Access Service (Cont'd)7.6 Program Audio Service7.6.1 Basic Circuit Description

A Program Audio circuit is a circuit measured in Hz for the transmission of a complex signal voltage. The actual bandwidth is a function of the channel interface selected by the customer. The nominal frequency bandwidths are from 50 to 15000 Hz, from 200 to 3500 Hz, from 100 to 5000 Hz or from 50 to 8000 Hz. Only one-way transmission is provided. Program Audio circuits are provided between customer designated premises or between a customer designated premises and a Telephone Company hub.

7.6.2 Technical Specifications Packages

<u>Parameter</u>	<u>Package AP-</u>				
	<u>C*</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>
Actual Measured Loss	X	X	X	X	X
Amplitude Tracking	X				
Crosstalk	X	X	X	X	X
Distortion Tracking	X				
Gain/Frequency Distortion	X	X	X	X	X
Group Delay	X				
Noise	X	X	X	X	X
Phase Tracking	X				
Short Term Gain Stability	X				
Short Term Loss	X				
Total Distortion	X	X	X	X	X

The technical specifications are delineated in Technical Reference PUB TR-NPL-000337.

* The desired parameters are selected by the customer from the list available parameters.

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ACCESS SERVICE7. Special Access Service (Cont'd)7.6 Program Audio Service (Cont'd)7.6.3 Channel Interfaces

The following channel interfaces (CIs) define the bandwidths that are available for a Program Audio circuit:

<u>CI</u>	<u>Bandwidth</u>
PG-1	Nominal frequency from 50 to 15000 Hz
PG-3	Nominal frequency from 200 to 3500 Hz
PG-5	Nominal frequency from 100 to 5000 Hz
PG-8	Nominal frequency from 50 to 8000 Hz

Compatible channel interfaces are set forth in 9 following.

7.6.4 Optional Features and Functions(1) Central Office Bridging Capability

Distribution Amplifier

(2) Gain Conditioning

Control of 1004 Hz AML at initiation of service to OdB \pm 0.5 dB.

(3) Stereo

Provision of a pair of gain/phase equalized channels for stereo applications. (Additional AP channel must be ordered separately).

The following table shows the technical specifications packages with which the optional features and functions are available.

	<u>Available with Technical Specifications Package AP-</u>				
	<u>C</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>
Central Office Bridging Capability	X	X	X	X	X
Gain Conditioning	X	X	X	X	X
Stereo	X				X

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ACCESS SERVICE

7. Special Access Services (Cont'd)7.6 Program Audio Service (Cont'd)7.6.5 Rates and Charges

- (A) Circuit Termination
 - Per Point of Termination
 - USOC - TMECS

200-3500 Hz

<u>Jurisdiction</u>	<u>Monthly Rates</u>	<u>Daily Rates</u>	<u>Nonrecurring Charge</u>
Alabama	\$34.94	\$3.49	\$200.00
Missouri	25.72	2.68	200.00

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ACCESS SERVICE

7. Special Access Services (Cont'd)7.6 Program Audio Service (Cont'd)7.6.5 Rates and Charges (Cont'd)

- (A) Circuit Termination (Cont'd)
 - Per Point of Termination
 - USOC - TMECS

100-5000 Hz

<u>Jurisdiction</u>	<u>Monthly Rates</u>	<u>Daily Rates</u>	<u>Nonrecurring Charge</u>
Alabama	\$34.94	\$3.49	\$200.00
Missouri	25.46	2.68	200.00

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ACCESS SERVICE

7. Special Access Services (Cont'd)7.6 Program Audio Service (Cont'd)7.6.5 Rates and Charges (Cont'd)

- (A) Circuit Termination (Cont'd)
 - Per Point of Termination
 - USOC - TMECS

50-8000 Hz

<u>Jurisdiction</u>	<u>Monthly Rates</u>	<u>Daily Rates</u>	<u>Nonrecurring Charge</u>
Alabama	\$34.94	\$3.49	\$200.00
Missouri	25.46	2.68	200.00

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ACCESS SERVICE

7. Special Access Services (Cont'd)7.6 Program Audio Service (Cont'd)7.6.5 Rates and Charges (Cont'd)

- (A) Circuit Termination (Cont'd)
 - Per Point of Termination
 - USOC - TMECS

50-15000 Hz

<u>Jurisdiction</u>	<u>Monthly Rates</u>	<u>Daily Rates</u>	<u>Nonrecurring Charge</u>
Alabama	\$34.94	\$3.49	\$200.00
Missouri	25.46	2.68	200.00

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ACCESS SERVICE7. Special Access Services (Cont'd)7.6 Program Audio Service (Cont'd)7.6.5 Rates and Charges (Cont'd)

(B) Circuit Mileage

200-3500 Hz

<u>Jurisdiction</u> (USOC)	<u>Monthly Rate</u>	<u>Monthly Rate</u>
	<u>Fixed</u> (TRG)	<u>Per Mile</u> (1LFSX)
Alabama	\$37.29	\$3.62
Missouri	25.72	2.01

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ACCESS SERVICE7. Special Access Services (Cont'd)7.6 Program Audio Service (Cont'd)7.6.5 Rates and Charges (Cont'd)(B) Circuit Mileage (Cont'd)200-3500 Hz

<u>Jurisdiction</u> (USOC)	<u>Daily Rate</u> <u>Fixed</u> (TRG)	<u>Daily Rate</u> <u>Per Mile</u> (1LFSX)
Alabama	\$3.92	.36
Missouri	2.74	.21

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ACCESS SERVICE7. Special Access Services (Cont'd)7.6 Program Audio Service (Cont'd)7.6.5 Rates and Charges (Cont'd)(B) Circuit Mileage (Cont'd)100-5000 Hz

<u>Jurisdiction</u> (USOC)	<u>Monthly Rate</u>	<u>Monthly Rate</u>
	<u>Fixed</u> (TRG)	<u>Per Mile</u> (1LFSX)
Alabama	\$37.29	\$3.62
Missouri	26.00	2.01

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ACCESS SERVICE7. Special Access Services (Cont'd)7.6 Program Audio Service (Cont'd)7.6.5 Rates and Charges (Cont'd)(B) Circuit Mileage (Cont'd)100-5000 Hz

<u>Jurisdiction</u> (USOC)	<u>Daily Rate</u> <u>Fixed</u> (TRG)	<u>Daily Rate</u> <u>Per Mile</u> (1LFSX)
Alabama	\$3.92	\$.36
Missouri	2.74	.21

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ACCESS SERVICE7. Special Access Services (Cont'd)7.6 Program Audio Service (Cont'd)7.6.5 Rates and Charges (Cont'd)(B) Circuit Mileage (Cont'd)50-8000 Hz

<u>Jurisdiction</u> (USOC)	<u>Monthly Rate</u>	<u>Monthly Rate</u>
	<u>Fixed</u> (TRG)	<u>Per Mile</u> (1LFSX)
Alabama	\$37.29	\$3.62
Missouri	26.00	2.01

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ACCESS SERVICE7. Special Access Services (Cont'd)7.6 Program Audio Service (Cont'd)7.6.5 Rates and Charges (Cont'd)(B) Circuit Mileage (Cont'd)50-8000 Hz

<u>Jurisdiction</u> (USOC)	<u>Daily Rate</u> <u>Fixed</u> (TRG)	<u>Daily Rate</u> <u>Per Mile</u> (1LFSX)
Alabama	\$3.92	\$.36
Missouri	2.74	.21

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7. Special Access Services (Cont'd)7.6 Program Audio Service (Cont'd)7.6.5 Rates and Charges (Cont'd)(B) Circuit Mileage (Cont'd)50-15000 Hz

<u>Jurisdiction</u> (USOC)	<u>Monthly Rate</u>	<u>Monthly Rate</u>
	<u>Fixed</u> (TRG)	<u>Per Mile</u> (1LFSX)
Alabama	\$37.29	\$3.62
Missouri	26.00	2.01

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ACCESS SERVICE7. Special Access Services (Cont'd)7.6 Program Audio Service (Cont'd)7.6.5 Rates and Charges (Cont'd)(B) Circuit Mileage (Cont'd)50-15000 Hz

<u>Jurisdiction</u> (USOC)	<u>Daily Rate</u> <u>Fixed</u> (TRG)	<u>Daily Rate</u> <u>Per Mile</u> (1LFSX)
Alabama	\$3.92	\$.36
Missouri	2.74	.21

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ACCESS SERVICE7. Special Access Services (Cont'd)7.6 Program Audio Service (Cont'd)7.6.5 Rates And Charges (Cont'd)(C) Optional Features and Functions

Rates and charges for the Optional Features and Functions of Program Audio Service listed in this section apply to all jurisdictions of the Issuing Carriers listed on Title Page 2.

	<u>Monthly Fixed</u>	<u>Daily Rates</u>	<u>Monthly</u>	<u>Nonrecurring Charges Daily</u>
Bridging, Distribution Amplifier (USOC - BCNPT) - Per Port	\$1.00	\$.10	None	None
Gain Conditioning (USOC - XGC) - Per Service	1.00	.10	None	None
Stereo (USOC - XSC) - Per service	None	None	None	None

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ACCESS SERVICE7. Special Access Service (Cont'd)7.7 Video Service7.7.1 Basic Circuit Description

A Video circuit is a circuit with one-way transmission capability for a standard 525 line/60 field monochrome, or National Television Systems Committee color video signal and one or two associated 5 or 15 kHz audio signal(s). The bandwidth for a video circuit is either 30 Hz to 4.5 MHz or 30 Hz to 6.6 MHz. The associated audio signal(s) may be either duplexed or provided as one or two separate circuits. The provision and the bandwidth of the associated audio signal(s) is a function of the channel interface selected by the customer. Video circuits are provided between customer designated premises or between a customer designated premises and a Telephone Company hub.

7.7.2 Technical Specifications Packages

<u>Parameter</u>	<u>Package TV-</u>		
	<u>C*</u>	<u>1</u>	<u>2</u>
Amplitude vs. Frequency Response	X		
Chrominance/Luminance Inequalities			
Gain	X	X	X
Delay	X	X	X
Chrominance/Luminance Intermodulation	X		
Chrominance Nonlinear Gain	X		
Chrominance Nonlinear Phase	X		
Crosstalk	X		X
Differential Gain	X	X	X
Differential Phase	X	X	X
Dynamic Gain (picture and sync signal)	X		
Field-Time Distortion	X	X	X
Gain/Frequency Distortion	X	X	X
Gain Stability	X	X	X
Insertion Gain	X	X	X
Line-Time Distortion	X	X	X
Long-Time Distortion	X	X	X

* The desired parameters are selected by the customer from the list of available parameters.

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ACCESS SERVICE7. Special Access Service (Cont'd)7.7 Video Service (Cont'd)7.7.2 Technical Specifications Packages (Cont'd)

<u>Parameter</u>	<u>Package TV-</u>		
	<u>C*</u>	<u>1</u>	<u>2</u>
Luminance Nonlinearity	X		
Luminance Signal/CCIR			
Weighted Noise	X	X	X
Short-Time Distortion			
2 T Pulse	X	X	X
T - Bar Ringing	X	X	X
Signal/15 kHz Flat			
Weighted Noise	X	X	X
Signal/Low Frequency Noise	X		
Stereo Gain Difference	X	X	
Stereo Phase Difference	X	X	
Total Harmonic Distortion	X	X	X
Transient Sync Signal			
Non-Linearity	X		
Video/Audio Delay Difference	X		

The technical specifications are delineated in Technical Reference TR-NPL-000338 and associated Addendum.

7.7.3 Channel Interfaces

The following channel interfaces (CIs) define the bandwidth and the provision of the audio signal(s) associated with a Video circuit:

<u>CI</u>	<u>Audio Bandwidth</u>	<u>Provision</u>
2TV6-1	15kHz	1 Channel, duplexed
2TV6-2	15kHz	2 Channels, duplexed
2TV7-1	15kHz	1 Channel, duplexed

* The desired parameters are selected by the customer from the list of available parameters.

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ACCESS SERVICE7. Special Access Service (Cont'd)7.7. Video Service (Cont'd)7.7.3 Channel Interfaces (Cont'd)

<u>CI</u>	<u>Bandwidth</u>	<u>Provision</u>
2TV7-2	15kHz	2 Channels, duplexed
4TV6-5	5kHz	1 Channel, separate
4TV6-15	15kHz	1 Channel, separate
4TV7-5	5kHz	1 Channel, separate
4TV7-15	15kHz	1 Channel, separate
6TV6-5	5kHz	2 Channels, separate
6TV6-15	15kHz	2 Channels, separate
6TV7-5	5kHz	2 Channels, separate
6TV7-15	15kHz	2 Channels, separate

Compatible channel interfaces are set forth in 9. following.

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ACCESS SERVICE7. Special Access Service (Cont'd)7.7 Video Service (Cont'd)7.7.4 Rates and Charges(A) Circuit Termination
- Per Point of Termination

Rates and Charges for all jurisdictions of the Issuing Carriers listed on Title Page 2 will be determined on an Individual Case Basis and filed in Section 7.12 following. Available bandwidths and USOC formats are as follows:

<u>Bandwidth</u>	<u>USOC</u>
-TV-1 or 2	TMEV1
-4TV-5	TMEV4
-6TV-5	TMEV6
-TV-15	TMEV5

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ACCESS SERVICE7. Special Access Service (Cont'd)7.7 Video Service (Cont'd)7.7.4 Rates and Charges (Cont'd)

(B) Circuit Mileage

Rates and Charges for all jurisdictions of the Issuing Carriers listed on Title Page 2 will be determined on an Individual Case Basis and filed in Section 7.12 following. Available bandwidths and USOC formats are as follows:

<u>Bandwidth</u>	<u>USOC</u>
TV-1 or 2	1L5XX
4TV-5	1L5XX
6TV-5	1L5XX
TV-15	1L5XX

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ACCESS SERVICE7. Special Access Services (Cont'd)7.8 Wideband Analog Service7.8.1 Basic Circuit Description

A Wideband Analog circuit is a circuit with a bandwidth measured in kHz for the transmission of a wideband signal. The actual bandwidth is a function of the channel interface selected by the customer. The bandwidths are from 60 to 108 kHz (Group), from 312 to 552 kHz (Supergroup), from 564 to 3084 kHz (Mastergroup), from 300 Hz to 18 kHz, from 29 to 44 kHz or from 28 to 44 kHz. Wideband Analog circuits are provided between customer designated premises or between a customer designated premises and a Telephone Company hub.

7.8.2 Technical Specifications Packages

<u>Parameter</u>	<u>Package WA-</u>				
	<u>1</u>	<u>2</u>	<u>2A</u>	<u>3</u>	<u>4</u>
Amplitude Stability	X	X			
Background Noise	X	X	X	X	X
Frequency Shift	X	X	X		
Gain/Frequency Characteristics of:					
- Group Connections	X			X	X
- Supergroup Connections		X			
- Mastergroup Connections			X		
Impulse Noise	X	X	X		
Net Loss Variations	X	X	X	X	X
Pilot Slot	X	X	X		
Spurious Single Frequency Tone	X	X	X		

The technical specifications are delineated in Technical Reference PUB TR-NPL-000339.

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ACCESS SERVICE7. Special Access Service (Cont'd)7.8 Wideband Analog Service (Cont'd)7.8.3 Channel Interfaces

The following channel interfaces (CIs) define the bandwidths that are available for a Wideband Analog channel:

<u>CI</u>	<u>Bandwidth</u>
AH-B	60 kHz to 108 kHz (Group)
AH-C	312 kHz to 552 (Supergroup)
AD-D	564 kHz to 3084 kHz (Mastergroup)
WD-1	300 Hz to 18 kHz
WD-2	29 kHz to 44 kHz
WD-3	28 kHz to 44 kHz

Compatible channel interfaces are set forth in 9. following.

7.8.4 Optional Features and Functions(A) Central Office Multiplexing(1) Mastergroup to Supergroup

An arrangement that converts a Mastergroup circuit to ten Supergroup circuits using frequency division multiplexing.

(2) Supergroup to Group

An arrangement that converts a Supergroup circuit to five Group circuits using frequency division multiplexing.

(3) Group to Voice

An arrangement that converts a Group circuit to twelve Voice Grade circuits using frequency division multiplexing.

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7. Special Access Service (Cont'd)
- 7.8 Wideband Analog Service (Cont'd)
- 7.8.4 Optional Features and Functions (Cont'd)
- (A) Central Office Multiplexing (Cont'd)
- (4) Group to DS1

An arrangement that converts two Group circuit to DS1 circuit using analog to digital conversion.

The following table shows the technical specifications packages with which the optional features and functions are available.

	Available with Technical Specifications Package WA-				
	<u>1</u>	<u>2</u>	<u>2A</u>	<u>3</u>	<u>4</u>
Central Office Multiplexing:					
Mastergroup to Supergroup			X		
Supergroup to Group		X			
Group to Voice	X				
Group to DS1*					

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ACCESS SERVICE

- 7. Special Access Services (Cont'd)
- 7.8 Wideband Analog Services (Cont'd)
- 7.8.5 Rates and Charges
- (A) Circuit Termination
- Per Point of Termination

Monthly Rates and Nonrecurring Charges for all jurisdictions of the Issuing Carriers listed on Title Page 2 will be determined on an Individual Case Basis and filed in Section 7.12 following.

Available frequency bandwidths and USOC formats are as follows:

<u>Frequency Bandwidths</u>	<u>USOC</u>
60 kHz - 108 kHz	TWT++
312 kHz - 552 kHz	TWT++
564 kHz - 3084 kHz	TWT++
300 Hz - 18 kHz	TWT++
29 kHz - 44 kHz	TWT++

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ACCESS SERVICE7. Special Access Service (Cont'd)7.8 Wideband Analog Services (Cont'd)7.8.5 Rates and Charges (Cont'd)(B) Circuit Mileage

Fixed and Per Mile Monthly Rates for all jurisdictions of the Issuing Carriers listed on Title Page 2 will be determined on an Individual Case Basis and filed in Section 7.12 following.

Available bandwidths and USOC formats are as follows.

<u>Frequency</u> <u>Bandwidth</u>	<u>USOC</u>
60-108 kHz	1LO++
312-552 kHz	1LO++
564-3084 kHz	1LO++
300 Hz-18 kHz	1LO++
29-44 kHz	1LO++

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ACCESS SERVICE

- 7. Special Access Services (Cont'd)
- 7.8 Wideband Analog Services (Cont'd)
- 7.8.5 Rates and Charges (Cont'd)
- (C) Optional Features and Functions
- (1) Multiplexing

Fixed and Per Mile Monthly Rates for all jurisdictions of the Issuing Carriers listed on Title Page 2 will be determined on an Individual Case Basis and filed in Section 7.12 following.

Available multiplexing arrangements and USOC formats are as follows:

<u>Multiplexing Arrangement</u>	<u>USOC (Per Arrangement)</u>
Mastergroup to Supergroup	MQ9++
Supergroup to Group	MQS++
Group to Voice	MQV++
Group to DS1*	MQG++

- * Requires two 60-108 kHz Circuit Terminations and Circuit Mileage, one 1.544 Mbps Circuit Mileage and either a 1.544 Circuit Termination or a DS1 to Voice Multiplexing optional feature, depending on whether the service terminates at a customers premises or was purchased as a facility, to a Telephone Company hub for multiplexing to Voice Grade.

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ACCESS SERVICE7. Special Access Services (Cont'd)7.9 Wideband Data Service7.9.1 Basic Circuit Description

A Wideband Data circuit is an analog circuit for the transmission of synchronous serial data at the rate of 19.2, 50.0, or 230.4 kbps or of asynchronous serial data at rates of up to 19.2, 50.0, or 230.4 kbps. Optional arrangements are available for transmission of synchronous serial data at 18.75 or 40.8 kbps. The actual bit rate is a function of the channel interface selected by the customer. This service requires a 303 Data Station(s). The 303 Data Station provides coupling between the customers business machine and the wideband data transmission medium. A voice band coordinating channel is also provided. Wideband Data circuits are provided between customer designated premises.

7.9.2 Technical Specifications Packages

Parameter	<u>Package WD-</u>		
	<u>1</u>	<u>2</u>	<u>3</u>
Error-Free Seconds	X	X	X

While in service, the monthly average of error-free seconds will be equal to or greater than 98.75%.

7.9.3 Channel Interfaces

The following channel interfaces (CIs) define the bit rates that are available for a Wideband Data circuit:

<u>CI</u>	<u>Bit Rate</u>
WB-18S	18.75 kbps, synchronous
WB-19A	up to 19.2 kbps, asynchronous
WB-19S	19.2 kbps, synchronous
WB-23A	up to 230.4 kbps, asynchronous
WB-23S	230.4 kbps, synchronous
WB-40S	40.8 kbps, synchronous
WB-50A	up to 50.0 kbps, asynchronous
WB-50S	50.0 kbps, synchronous

Compatible channel interfaces are set forth in 9. following.

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ACCESS SERVICE7. Special Access Service (Cont'd)7.9 Wideband Data Service (Cont'd)7.9.4 Optional Features and Functions(A) Key Activated Transfer Arrangement

An arrangement that affords the customer an additional measure of flexibility in the use of their access circuit(s). The arrangement can be utilized to transfer a leg of a Special Access Service to either a spare or working circuit that terminates in either the same or a different customer premises. A key activated control service is required to operate the transfer arrangement. A spare circuit, if required, is not included as a part of the option.

The following table shows the technical specifications packages with which the optional features and functions are available.

	Available with Technical Specifications Package WD-		
	<u>1</u>	<u>2</u>	<u>3</u>
Key Activated Transfer Arrangement	X	X	X

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ACCESS SERVICE7. Special Access Services (Cont'd)7.9 Wideband Data Service (Cont'd)7.9.5 Rates and Charges

- (A) Circuit Termination
 - Per Point of Termination
 - USOC - TMECS

<u>Jurisdiction</u>	<u>50.0 or 40.8 Kbps</u>	Nonrecurring <u>Charge</u>
	<u>Monthly Rate</u>	
Alabama	\$670.00	\$460.20
Missouri	892.24	563.05

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ACCESS SERVICE7. Special Access Service (Cont'd)7.9 Wideband Data Service (Cont'd)7.9.5 Rates and Charges (Cont'd)(A) Circuit Termination (Cont'd)

For data speeds other than 40.8 and 50.0 kbps:

Monthly Rates for the Circuit Termination rate element of Wideband Data Service for all jurisdictions of the Issuing Carriers listed on Title Page 2 will be determined on an Individual Case Basis and filed in Section 7.12 following.

Available data speeds and USOC formats are as follows:

<u>Data Speed</u>	<u>USOC</u>
18.75 kbps	TWT++
19.2 kbps	TWT++
230.4 kbps	TWT++

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ACCESS SERVICE7. Special Access Services (Cont'd)7.9 Wideband Data Service (Cont'd)7.9.5 Rates and Charges (Cont'd)

(B) Circuit Mileage

50.0 or 40.8 kbps

<u>Jurisdiction</u> (USOC)	<u>Monthly Rate</u>	<u>Monthly Rate</u>
	<u>Fixed</u> (TRG)	<u>Per Mile</u> (1LFSX)
Alabama	\$50.00	\$19.00
Missouri	60.57	27.70

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ACCESS SERVICE7. Special Access Service (Cont'd)7.9 Wideband Data Service (Cont'd)7.9.5 Rates and Charges (Cont'd)

(B) Circuit Mileage (Cont'd)

For data speeds other than 40.8 and 50.0 kbps:

Fixed and Per Mile Monthly Rates for the Circuit Mileage rate element of Wideband Data Service for all jurisdictions of the Issuing Carriers listed on Title Page 2 will be determined on an Individual Case Basis and filed in Section 7.12 following.

Available data speeds and USOC formats are as follows:

<u>Data Speed</u>	<u>USOC</u>
18.75 kbps	1LOXX
19.2 kbps	1LOXX
230.4 kbps	1LOXX

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ACCESS SERVICE7. Special Access Services (Cont'd)7.9 Wideband Data Service (Cont'd)7.9.5 Rates and Charges (Cont'd)(C) Optional Features and Functions

Monthly Rates and Nonrecurring Charges for all jurisdictions of the Issuing Carriers listed on Title Page 2 will be determined on an Individual Case Basis and filed in Section 7.12 following.

Available Optional Features and Functions and USOC formats are as follows.

<u>Optional Features and Functions</u>	<u>USOC</u>
--	-------------

Key Activated Transfer Arrangement - Per Four Port Arrangement, including control circuit termination*	UTK++
--	-------

(D) 303 Data Station

Monthly Rates and Nonrecurring Charges for all jurisdictions of the Issuing Carriers listed on Title Page 2 will be determined on an Individual Case Basis and filed in Section 7.12 following.

303 Data Station - Per Point of Termination	<u>USOC</u> TDQ++
--	----------------------

*

The key activated control circuit is rated as a Metallic Circuit Termination (use USOC TMEME in lieu of TMECS) and Circuit Mileage, if applicable (use USOC 1L5MX in lieu in 1L5XX).

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ACCESS SERVICE7. Special Access Service (Cont'd)7.10 Digital Data Service7.10.1 Basic Circuit Description

A Digital Data circuit is a circuit for duplex four-wire transmission of synchronous serial data at the rate of 2.4, 4.8, 9.6, 19.2, 56, or 64 Kbps. The actual bit rate is a function of the channel interface selected by the customer. The circuit provides a synchronous service with timing provided by the Telephone Company through the Telephone Company's facilities to the customer in the received bit stream. Digital Data circuits are only available via Telephone Company designated hubs and are provided between customer designated premises or between a customer designated premises and a Telephone Company hub.

The customer may provide the Channel Service Unit-type equipment or other Network Channel Terminating Equipment associated with the Digital Data circuit at the customer premises. The interim program for interconnection of such equipment is set forth in Technical Reference PUB AS No. 1.

7.10.2 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 circuit capable of meeting a monthly average performance equal to or greater than 99.875% error-free seconds while the circuit 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 PUB 62310.

Voltages which are compatible with Digital Data Service are delineated in Technical Reference PUB TR-NPL-000341.

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ACCESS SERVICE7 Special Access Service (Cont'd)7.10 Digital Data Service (Cont'd)7.10.3 Channel Interfaces

The following channel interfaces (CIs) define the bit rates that are available for a Digital Data circuit.

<u>CI</u>	<u>Bit Rate</u>
DU-24	2.4 Kbps
DU-48	4.8 Kbps
DU-96	9.6 Kbps
DU-19	19.2 Kbps
DU-565	56 Kbps
DU-64	64 Kbps

7.10.4 Compatible channel interfaces are set forth in 9. following.

(1) Optional Features and Functions(2) Central Office Bridging CapabilityTransfer Arrangement

An arrangement that affords the customer an additional measure of protection and/or flexibility in the use of their access circuit(s) on a 1xN basis. The arrangement can be utilized to transfer a leg of a Special Access Service to either a spare or working circuit that terminates in either the same or a different customer designated premises. This arrangement is only available at a Telephone Company designated hub. A key activated or dial-up control service is required to operate the transfer arrangement. A spare circuit, if required, is not included as a part of the option.

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ACCESS SERVICE

7. Special Access Service (Cont'd)7.10 Digital Data Service (Cont'd)7.10.5 Rates and Charges

- (A) Circuit Termination
 - Per Point of Termination
 - USOC - TMECS

<u>Jurisdiction</u>	<u>2.4, 4.8 & 9.6 Kbps</u>		<u>19.2 Kbps</u>	
	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
Alabama	\$44.00	\$250.00	\$44.00	\$250.00
Missouri	53.08	250.00	53.08	250.00

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ACCESS SERVICE

7. Special Access Service (Cont'd)7.10 Digital Data Service (Cont'd)7.10.5 Rates and Charges (Cont'd)

- (A) Circuit Termination (Cont'd)
 - Per Point of Termination
 - USOC - TMECS

<u>Jurisdiction</u>	<u>56.0 Kbps</u>		<u>64 Kbps</u>	
	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
Alabama	\$52.08	\$250.00	\$52.08	\$250.00
Missouri	67.29	250.00	67.29	250.00

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ACCESS SERVICE

7. Special Access Service (Cont'd)7.10 Digital Data Service (Cont'd)7.10.5 Rates and Charges (Cont'd)

(B) Circuit Mileage

<u>Jurisdiction</u> (USOC)	<u>2.4, 4.8.& 9.6 Kbps</u>		<u>19.2 Kbps</u>	
	Monthly Rate		Monthly Rate	
	<u>Fixed</u> (TRG)	<u>Per Mile</u> (1LFSX)	<u>Fixed</u> (TRG)	<u>Per Mile</u> (1LFSX)
Alabama	\$10.37	\$ 1.23	\$10.37	\$1.23
Missouri	14.80	2.33	14.80	2.33

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ACCESS SERVICE

7. Special Access Service (Cont'd)7.10 Digital Data Service (Cont'd)7.10.5 Rates and Charges (Cont'd)

(B) Circuit Mileage (Cont'd)

<u>Jurisdiction</u> (USOC)	<u>56.0 Kbps</u> Monthly Rate		<u>64 Kbps</u> Monthly Rate	
	<u>Fixed</u>	<u>Per Mile</u>	<u>Fixed</u>	<u>Per Mile</u>
	(TRG)	(1LFSX)	(TRG)	(1LFSX)
Alabama	\$10.37	\$1.23	\$10.37	\$1.23
Missouri	14.80	2.33	14.80	2.45

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ACCESS SERVICE

7. Special Access Service (Cont'd)7.10 Digital Data Service (Cont'd)7.10.5 Rates and Charges (Cont'd)

(C) Optional Features and Functions

Monthly Rates and Nonrecurring Charges for the Optional Features and Functions of Digital Data Service listed in this section apply to all jurisdictions of the Issuing Carriers listed on Title Page 2.

<u>Optional Features and Functions</u>	Alabama	Missouri	<u>Monthly Rates</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>
	<u>USOC</u>				
(1) Bridging - Per Port	BCNDA		\$11.00	\$10.45	None
(2) Loop Transfer Arrangement (Key Activated* or Dial-Up**) - Per Four-Port Arrangement*** XTD		XTD	5.96	5.96	None

The key activated control is rated as a Metallic Circuit Termination (Use USOC T6EME in lieu of T6ECS) and Circuit Mileage, if applicable (Use USOC 1L5MX in lieu of 1L5XX).

The Dial-Up option requires the customer to purchase the Controller Arrangement (USOC XTDDU) from 8.12(A) following.

An additional Circuit Termination charge will apply whenever a spare circuit is configured as a leg to the customer's premises. Additional Circuit Mileage charges will also apply when the transfer arrangement is not located in the customer premises serving wire center.

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ACCESS SERVICE7. Special Access Service (Cont'd)7.11 High Capacity Service7.11.1 Basic Circuit Description

A High Capacity circuit is a circuit for the transmission of nominal 64.0 kbps or 1.544, 3.152, 6.312, 44.736, or 274.176 Mbps isochronous serial data. The actual bit rate is a function of the channel interface selected by the customer. High Capacity circuits are provided between customer designated premises or between a customer designated premises and a Telephone Company hub. High Capacity DS1 and DS3 services may also be connected to customer transmission equipment and facilities where the customer is provided EIS as defined in Section 17.

The customer may provide the Network Channel Terminating Equipment associated with the High Capacity circuit at the customer's premises. The interim program for interconnection of such equipment is set forth in Technical Reference PUB AS No. 1.

7.11.2 Technical Specifications Packages

<u>Parameter</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				

A circuit 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 PUB 62411.

- * Available only as a circuit of a 1.544 Mbps facility to a Telephone Company Digital Data hub or as a cross connect of two 2.4, 4.8, 9.6, 56.0 or 64.0 kbps circuits of two 1.544 Mbps facilities to a Digital Data hub(s). The customer must provide system and channel assignment data.

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ACCESS SERVICE7. Special Access Service (Cont'd)7.11 High Capacity Service (Cont'd)7.11.3 Channel Interfaces

The following channel interfaces (CIs) define the bit rates that are available for a High Capacity circuit:

<u>CI</u>	<u>Bit Rate</u>
DS-15*	1.544 Mbps (DS1)
DS-27	274.176 Mbps (DS4)
DS-31	3.152 Mbps (DSIC)
DS-44	44.736 Mbps (DS3)
DS-63	6.312 Mbps (DS2)

Compatible channel interfaces are set forth in 9.3.5 following.

7.11.4 Optional Features and Functions(A) 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 circuit line when a working line fails. The spare circuit is not included as a part of the option. This option requires compatible equipment at both the serving wire center and the customer premises. The customer is responsible for providing the equipment at its premises. Equipment at the customer premises will be provided under tariff only if it existed in the Telephone Company inventory as of November 18, 1983.

(B) Transfer Arrangement

An arrangement that affords the customer an additional measure of flexibility in the use of their access circuit(s). The arrangement can be utilized to transfer a leg of a Special Access Service to either a spare or working circuit that terminates in either the same or a different customer designated premises. A key activated or dial-up control service is required to operate the transfer arrangement. A spare circuit, if required, is not included as part of the option.

*

A 64.0 kbps circuit is available as a circuit(s) of a 1.544 Mbps facility to a Telephone Company hub.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.11 High Capacity Service (Cont'd)

7.11.4 Optional Features and Functions (Cont'd)

(C) Central Office Multiplexing

(1) DS4 to DS1

An arrangement that converts a 274.176 Mbps circuit to 168 DS1 circuits using digital time division multiplexing.

(2) DS3 to DS1

An arrangement that converts a 44.736 Mbps circuit to 28 DS1 circuits using digital time division multiplexing.

(3) DS2 to DS1

An arrangement that converts a 6.312 Mbps circuit to four DS1 circuits using digital time division multiplexing.

(4) DS1C to DS1

An arrangement that converts a 3.152 Mbps circuit to two DS1 circuits using digital time division multiplexing.

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ACCESS SERVICE

- 7. Special Access Service (Cont'd)
- 7.11 High Capacity Service (Cont'd)
- 7.11.4 Optional Features and Functions (Cont'd)

- (E) Central Office Multiplexing

- (5) DS1 to Voice

An arrangement that converts a 1.544 Mbps circuit to 24 circuits for use with Voice Grade Services.

If this DS1 terminates in a DDS hub, a channel(s) of the DS1 can be used to provide DDS; however, DDS service stops at the DS1 interface.

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

- (6) DS1 to DS0

An arrangement that converts a 1.544 Mbps circuit to twenty three (23) 64.0 Kbps circuits utilizing digital time division multiplexing.

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ACCESS SERVICE

7. Special Access Service (Cont'd)7.11 High Capacity Service (Cont'd)7.11.4 Optional Features and Functions (Cont'd)(C) Central Office Multiplexing (Cont'd)(7) DSO to Subrate

An arrangement that converts a 64.0 kbps circuit to subspeeds of up to twenty 2.4 kbps, ten 4.8 kbps, or five 9.6 kbps circuits using digital time division multiplexing.

(D) Clear Channel Capability (CCC)

CCC provides a Bipolar with Eight Zero Substitution (B8ZS) encoding technique that allows a customer to transport 1.536 Mbps information rate signals over a 1.544 Mbps High Capacity Channel with no restraint on the quantity or sequence of one (mark) and zero (space) bits. This arrangement allows customers to derive 64 kbps clear channels. This service is provided only on 1.544 Mbps High Capacity Channels between two customer designated premises and is subject to availability of facilities. This arrangement requires the customer-provided multiplexing equipment to be compatible with the B8ZS line code as specified in Technical Reference TR-NPL-000054 and Technical Reference PUB TR-NPL-000342.

(E) 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:						
DS4 to DS1						X
DS3 to DS1					X	
DS2 to DS1				X		
DS1C to DS1			X			
DS1 to Voice		X				
DS1 to DS0		X				
DS0 to Subrate*	X					
Transfer Arrangement		X				
Clear Channel Capability		X				

* Available only on a circuit of a 1.544 Mbps facility to a Telephone Company hub.

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ACCESS SERVICE

7. Special Access Service (Cont'd)7.11 High Capacity Service (Cont'd)7.11.5 Rates and Charges

- (A) Circuit Termination - High Capacity DS1
 - Per Point of Termination
 - USOC - TMECS

<u>Jurisdiction</u>	<u>1.544 Mbps</u>	Nonrecurring <u>Charge</u>
	<u>Monthly Rate</u>	
Alabama	\$304.01 (I)	\$450.00
Missouri	208.96 (I)	450.00

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ACCESS SERVICE7. Special Access Service (Cont'd)7.11 High Capacity Service (Cont'd)7.11.5 Rates and Charges (Cont'd)

- (A) Circuit Termination - High Capacity DS1 Term Payment Plan
 - Per Point of Termination
 - USOC (EU4DX, EU4DF)(1CKDX, 1CKDF)

<u>Jurisdiction</u>	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u>
Alabama	\$450.00	\$180.00
Missouri	450.00	175.12 (I)

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ACCESS SERVICE7. Special Access Service (Cont'd)7.11 High Capacity Service (Cont'd)7.11.5 Rates and Charges (Cont'd)

- (A) Circuit Termination - High Capacity DS1 Term Payment Plan
 - Per Point of Termination
 - USOC (EU4DX, EU4DF)
 (1CKDX, 1CKDF)

<u>Jurisdiction</u>	<u>Two Year Monthly Rate</u>	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>
Alabama	\$180.00	\$175.00	\$156.75
Missouri	170.39 (I)	165.63 (I)	160.87 (I)

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ACCESS SERVICE

7. Special Access Service (Cont'd)7.11 High Capacity Service (Cont'd)7.11.5 Rates and Charges (Cont'd)

- (A) Circuit Termination - High Capacity FT1 Facilities
-
- Per Point of Termination

Standard Arrangement - 2 X 56 Kbps or 2 X 64 Kbps

<u>Jurisdiction</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
USOC		
Alabama	\$104.50	\$450.00
Missouri	97.85	450.00

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ACCESS SERVICE

7. Special Access Service (Cont'd)7.11 High Capacity Service (Cont'd)7.11.5 Rates and Charges (Cont'd)

- (A) Circuit Termination - High Capacity FT1 Facilities
-
- Per Point of Termination

Standard Arrangement - 4 X 56 Kbps or 4 X 64 Kbps

<u>Jurisdiction</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
USOC		
Alabama	\$114.00	\$450.00
Missouri	108.30	450.00

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ACCESS SERVICE

7. Special Access Service (Cont'd)7.11 High Capacity Service (Cont'd)7.11.5 Rates and Charges (Cont'd)

- (A) Circuit Termination - High Capacity FT1 Facilities
-
- Per Point of Termination

Standard Arrangement - 6 X 56 Kbps or 6 X 64 Kbps

<u>Jurisdiction</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
USOC		
Alabama	\$130.00	\$450.00
Missouri	119.70	450.00

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ACCESS SERVICE

7. Special Access Service (Cont'd)7.11 High Capacity Service (Cont'd)7.11.5 Rates and Charges (Cont'd)

- (A) Circuit Termination - High Capacity FT1 Optional Payment Plan
-
- Per Point of Termination

2 X 56 Kbps or 2 X 64 Kbps

<u>Jurisdiction</u>	<u>One Year Monthly Rate</u>	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>
USOC			
Alabama	\$99.75	\$95.00	\$ 90.25
Missouri	96.90	95.95	95.00

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7. Special Access Service (Cont'd)7.11 High Capacity Service (Cont'd)7.11.5 Rates and Charges (Cont'd)(A) Circuit Termination - High Capacity FT1 Optional Payment Plan
- Per Point of Termination4 X 56 Kbps or 4 X 64 Kbps

<u>Jurisdiction</u>	<u>One Year Monthly Rate</u>	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>
Alabama	\$109.25	\$104.50	\$99.75
Missouri	106.40	104.50	102.60

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ACCESS SERVICE

7. Special Access Service (Cont'd)7.11 High Capacity Service (Cont'd)7.11.5 Rates and Charges (Cont'd)(A) Circuit Termination - High Capacity FT1 Optional Payment Plan
- Per Point of Termination

<u>Jurisdiction</u>	<u>6 X 56 Kbps or 6 X 64 Kbps</u>		
	<u>One Year Monthly Rate</u>	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>
Alabama	\$125.00	\$120.00	\$109.25
Missouri	123.00	120.00	117.00

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ACCESS SERVICE

7. Special Access Service (Cont'd)7.11 High Capacity Service (Cont'd)7.11.5 Rates and Charges (Cont'd)(A) Circuit Termination - High Capacity DS3
- Per Point of Termination

(1) Individual DS3 - Noncapacity System

<u>Jurisdiction</u>	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u>
USOC		SLHA1
Alabama	\$1,000.00	\$3,800.00
Missouri	950.00	1,400.00

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ACCESS SERVICE

7. Special Access Service (Cont'd)7.11 High Capacity Service (Cont'd)7.11.5 Rates and Charges (Cont'd)(A) Circuit Termination - High Capacity DS3 (Cont'd)
- Per Point of Termination

(1) Individual DS3 - Noncapacity System

<u>Jurisdiction</u>	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>	<u>Seven Year Monthly Rate</u>
USOC	SLHA3	SLHA5	SLHA7
Alabama	\$2,980.00	\$2,625.00	\$2,466.00
Missouri	940.50	855.00	850.00

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ACCESS SERVICE

7. Special Access Service (Cont'd)7.11 High Capacity Service (Cont'd)7.11.5 Rates and Charges (Cont'd)(A) Circuit Termination - High Capacity DS3 (Cont'd)
- Per Point of Termination(2) Three Capacity System (Cont'd)
- First DS3

<u>Jurisdiction</u>	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>	<u>Seven Year Monthly Rate</u>
USOC	SLHB3	SLHB5	SLHB7
Alabama	\$3,534.00	\$3,148.00	\$2,974.00
Missouri	3,050.00	2529.85	2,485.00

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ACCESS SERVICE7. Special Access Service (Cont'd)7.11 High Capacity Service (Cont'd)7.11.5 Rates and Charges (Cont'd)(A) Circuit Termination - High Capacity DS3 (Cont'd)
- Per Point of Termination(2) Three Capacity System
- Each Additional DS3 - (Maximum of 2)

<u>Jurisdiction</u>	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u>
USOC		SLHC1
Alabama	\$1,000.00	\$270.00
Missouri	1,000.00	239.00

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ACCESS SERVICE7. Special Access Service (Cont'd)7.11 High Capacity Service (Cont'd)7.11.5 Rates and Charges (Cont'd)(A) Circuit Termination - High Capacity DS3 (Cont'd)
- Per Point of Termination(2) Three Capacity System (Cont'd)
- Each Additional DS3 (Maximum of 2)

<u>Jurisdiction</u>	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>	<u>Seven Year Monthly Rate</u>
USOC	SLHC3	SLHC5	SLHC7
Alabama	\$191.00	\$171.00	\$161.00
Missouri	172.00	152.00	143.00

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ACCESS SERVICE

7. Special Access Service (Cont'd)7.11 High Capacity Service (Cont'd)7.11.5 Rates and Charges (Cont'd)(A) Circuit Termination - High Capacity DS3 (Cont'd)
- Per Point of Termination(3) Twelve Capacity System
- First DS3

<u>Jurisdiction</u>	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u>
USOC	SLHD1	
Alabama	\$4,500.00	\$8,099.00
Missouri	4,500.00	6,556.00

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ACCESS SERVICE

7. Special Access Service (Cont'd)7.11 High Capacity Service (Cont'd)7.11.5 Rates and Charges (Cont'd)(A) Circuit Termination - High Capacity DS3 (Cont'd)
- Per Point of Termination(3) Twelve Capacity System (Cont'd)
- First DS3

<u>Jurisdiction</u>	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>	<u>Seven Year Monthly Rate</u>
USOC	SLHD3	SLHD5	SLHD7
Alabama	\$6,261.00	\$5,729.00	\$5,479.00
Missouri	3,233.22	2,747.90	2,594.33

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ACCESS SERVICE7. Special Access Service (Cont'd)7.11 High Capacity Service (Cont'd)7.11.5 Rates and Charges (Cont'd)(A) Circuit Termination - High Capacity DS3 (Cont'd)
- Per Point of Termination(3) Twelve Capacity System (Cont'd)
- Each Additional DS3 (Maximum of 11)

<u>Jurisdiction</u>	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u>
USOC	SLHE1	
Alabama	\$1,000.00	\$281.00
Missouri	1,000.00	279.00

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ACCESS SERVICE

7. Special Access Service (Cont'd)7.11 High Capacity Service (Cont'd)7.11.5 Rates and Charges (Cont'd)(A) Circuit Termination - High Capacity DS3 (Cont'd)
- Per Point of Termination(3) Twelve Capacity System (Cont'd)
- Each Additional DS3 (Maximum of 11)

<u>Jurisdiction</u>	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>	<u>Seven Year Monthly Rate</u>
USOC	SLHE3	SLHE5	SLHE7
Alabama	\$197.00	\$176.00	\$166.00
Missouri	213.00	181.45	171.95

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ACCESS SERVICE

7. Special Access Service (Cont'd)
- 7.11 High Capacity Service (Cont'd)
- 7.11.5 Rates and Charges (Cont'd)
- (A) Circuit Termination - Frequency bandwidths other than 1.544 Mbps (DS1) and 44.736 Mbps (DS3)
- Per Point of Termination

Frequency bandwidths other than 1.544 Mbps:

Monthly Rates and Nonrecurring Charges for the Circuit Termination rate element of High Capacity Service for all jurisdictions of the Issuing Carriers listed on Title Page 2 will be determined on an Individual Case Basis and filed in Section 7.12 following.

Available frequency bandwidths and USOC formats are as follows:

<u>Frequency Bandwidths</u>	<u>USOC</u>
64 Kbps	TWT++
3.152 Mbps	TWT++
6.312 Mbps	TWT++
274.176 Mbps	TWT++

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ACCESS SERVICE7. Special Access Service (Cont'd)7.11 High Capacity (Cont'd)7.11.5 Rates and Charges (Cont'd)

(B) Circuit Mileage - High Capacity DS1

1.544 Mbps

<u>Jurisdiction</u> (USOC)	Monthly Rate <u>Fixed</u> (TRG)	Monthly Rate <u>Per Mile</u> (1LFSX)
Alabama	\$42.39 (I)	\$13.23
Missouri	36.23 (I)	12.21 (I)

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ACCESS SERVICE

7. Special Access Service (Cont'd)7.11 High Capacity (Cont'd)7.11.5 Rates and Charges (Cont'd)

(B) Circuit Mileage per High Capacity DS1 - MetroLAN

(USOC)	Monthly Rate (10XTX)
<u>Jurisdiction</u>	
Alabama	NA
Missouri	\$70.99 (I)

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ACCESS SERVICE7. Special Access Service (Cont'd)7.11 High Capacity Service (Cont'd)7.11.5 Rates and Charges (Cont'd)

(B) Circuit Mileage - High Capacity FT1 Facilities

2 X 56 Kbps or 2 X 64 Kbps

<u>Jurisdiction</u> (USOC)	<u>Monthly Rate</u> <u>Fixed</u> (TRG)	<u>Monthly Rate</u> <u>Per Mile</u> (1LFSX)
Alabama	\$12.35	\$2.09
Missouri	19.00	1.46

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ACCESS SERVICE7. Special Access Service (Cont'd)7.11 High Capacity Service (Cont'd)7.11.5 Rates and Charges (Cont'd)

(B) Circuit Mileage - High Capacity FT1 Facilities

4 X 56 Kbps or 4 X 64 Kbps

<u>Jurisdiction</u> (USOC)	<u>Monthly Rate</u> <u>Fixed</u> (TRG)	<u>Monthly Rate</u> <u>Per Mile</u> (1LFSX)
Alabama	\$17.10	\$2.12
Missouri	21.85	1.50

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ACCESS SERVICE7. Special Access Service (Cont'd)7.11 High Capacity Service (Cont'd)7.11.5 Rates and Charges (Cont'd)

(B) Circuit Mileage - High Capacity FT1 Facilities

6 X 56 Kbps or 6 X 64 Kbps

<u>Jurisdiction</u> (USOC)	<u>Monthly Rate</u>	<u>Monthly Rate</u>
	<u>Fixed</u> (TRG)	<u>Per Mile</u> (1LFSX)
Alabama	\$22.80	\$2.16
Missouri	24.70	1.54

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ACCESS SERVICE

7. Special Access Service (Cont'd)7.11 High Capacity Service (Cont'd)7.11.5 Rates and Charges (Cont'd)

(B) Circuit Mileage - High Capacity DS3

<u>Jurisdiction</u> (USOC)	Monthly Rate	
	<u>Fixed</u> (TRG)	<u>Per Mile</u> (1LFSX)
Alabama	\$691.88	\$93.40
Missouri	344.81	34.02

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ACCESS SERVICE7. Special Access Service (Cont'd)7.11 High Capacity (Cont'd)7.11.5 Rates and Charges (Cont'd)

(B) Circuit Mileage - For frequency bandwidths other than 1.544 Mbps (DS1) and 44.736 Mbps (DS3):

Fixed and Per Mile Monthly Rates for the Circuit Mileage rate element of High Capacity Service for all jurisdictions of the Issuing Carriers listed on Title Page 2 will be determined on an Individual Case Basis and filed in Section 7.12 following.

Available frequency bandwidths and USOC formats are as follows.

<u>Frequency Bandwidths</u>	<u>USOC</u>
64 Kbps	1L5XX (Fixed), 1L5XX (Per Mile)
3.152 Mbps	1LO++
6.312 Mbps	1LO++
274.176 Mbps	1LO++

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ACCESS SERVICE

7. Special Access Service (Cont'd)7.11 High Capacity (Cont'd)7.11.5 Rates and Charges (Cont'd)(C) Optional Features and Functions

Rates and charges for the Optional Features and Functions of High Capacity Service listed in this section apply to all jurisdictions of the Issuing Carriers listed on Title Page 2.

	Alabama	Missouri	Monthly Rates	Monthly Rates	Nonrecurring Charges
		<u>USOC</u>			
(1) Multiplexing					
DS4 to DS1 - Per arrangement		MXA++	ICB	ICB	None
DS2 to DS1 - Per arrangement		MXD++	ICB	ICB	None
DS1C to DS1 - Per arrangement		MXH++	ICB	ICB	None
DS1 TO DSO - Per arrangement		QMU	\$275.00	260.32 (I)	None
DSO to Subrates - Per arrangement					
Up to 20 2.4 Kbps services		QSU24	\$160.00	151.45 (I)	None
Up to 10 4.8 kbps services		QSU48	\$120.00	113.59 (I)	\$800.00
Up to 5 9.6 kbps services		QSU96	\$100.00	94.66 (I)	\$800.00

ICB rates and charges are filed in 7.12 following.

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ACCESS SERVICE7. Special Access Service (Cont'd)7.11 High Capacity Service (Cont'd)7.11.5 Rates and Charges (Cont'd)(C) Optional Features and Functions (Cont'd)

- (1) Multiplexing (Cont'd)
 DS1 to Voice Multiplexing*
 - Per arrangement
 - USOC - MQ1

<u>Jurisdiction</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
Alabama	\$176.58 (I)	\$800.00
Missouri	188.39 (I)	800.00

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7. Special Access Service (Cont'd)7.11 High Capacity Service (Cont'd)7.11.5 Rates and Charges (Cont'd)(C) Optional Features and Functions (Cont'd)(1) Multiplexing (Cont'd)

DS3 to DS1 Multiplexing

- Per arrangement

- USOC - MQ3

<u>Jurisdiction</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
Alabama	\$465.50	\$450.00
Missouri	351.56	450.00

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7. Special Access Service (Cont'd)7.11 High Capacity (Cont'd)7.11.5 Rates and Charges (Cont'd)

(C) Optional Features and Functions (Cont'd)

	<u>USOC</u>	<u>Alabama Monthly Rates</u>	<u>Missouri Monthly Rates</u>	<u>Nonrecurring Charges</u>
Automatic Loop Transfer - Per arrangement*	T59	\$100.00	\$94.66 (I)	None
Transfer Arrangement (key activated** or dial up***) - Per four port arrangement including control channel termination****)	USV	165.00	156.18 (I)	None
Clear Channel Capability - Per DS1 circuit arranged	CCO	None	None	\$800.00

An additional Circuit Termination charge will apply whenever the spare line is provided as a leg to the customer premises.

The key activated control circuit is rated as a Metallic Circuit Termination (use USOC 1L5MX in lieu of 1L5XX).

The Dial-up option requires the customer to purchase the Controller Arrangement (USOC XTDDU from 8.12(A) following.

An additional Circuit Termination charge will apply whenever a spare circuit is configured as a leg to the customers premises. Additional circuit mileage charges will also apply when the transfer arrangement is not located in the customer premises serving wire center.

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ACCESS SERVICE7.11 High Capacity Service (Cont'd)7.11.5 Rates and Charges (Cont'd)(D) Special Access Cross ConnectPer DS0, DS1 or DS3 Connection

<u>Jurisdiction</u>	DS0 Monthly <u>Rate</u>	DS1 Monthly <u>Rate</u>	DS3 Monthly <u>Rate</u>
Missouri	1.86	4.20	27.55

*DS0 Cross Connect rates for Fractional T1 will be assessed as follows:

- 128 Kbps: 2 DS0 Cross Connects
- 256 Kbps: 4 DS0 Cross Connects
- 384 Kbps: 6 DS0 Cross Connects

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ACCESS SERVICE7. Special Access Service (Cont'd)7.12 Individual Case Filing

Rates and charges for Special Access Service provided on an individual case basis are filed following:

<u>Customer Name</u>	<u>Description and Location</u>	<u>MTL/NRC MRC</u>	<u>Termination Liability Period</u>
Rural Missouri Cable TV ID# MO94002E (USOC-1ZZAV)	Provide fiber optic video transport between the head end and one receive site located at the Stonebridge Village Development in Branson, MO.	MTL: NRC: MRC:\$ 1,248	\$39,143 10 Years beginning \$ 3,095 June 30, 1995. Reduces 1/120 for each month in service.
Rural Missouri Cable TV ID# MO94005E (USOC-1ZZA1)	Provide fiber optic video transport between the customer's head end and one receive site located at the Oakmont remote serving area in Branson, MO.	MTL:\$33,415 NRC: \$ 2,264 MRC: \$ 1,119	10 Years beginning June 30, 1995. Reduces 1/120 for each month in service.
(USOC-1ZZ7T)	OC3c Dedicated Transport, per mile	MRC: \$ 295	

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ACCESS SERVICE7. Special Access Service (Cont'd)7.12 Individual Case Filing (Cont'd)

Rates and charges for Special Access Service provided on an individual case basis are filed following:

<u>Customer Name</u>	<u>Description and Location</u>	<u>MTL/NRC</u> <u> MRC</u>	<u>Termination</u> <u>Liability Period</u>
AT&T – C ID# MO93001I (USOC – IZZAR)	Provide automatic protection switching (APS) for one primary and one diverse DS3 service between The Wentzville CO and The AT&T CDL at 2651 Olive, St. Louis, MO.	MTL:\$1,404 NRC: \$ 0 MRC:	3 Years beginning May 7, 1995. \$ 364 Reduces 1/36 for each month in service.

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ACCESS SERVICE

7. Special Access Service (Cont'd)7.12 Individual Case Filing (Cont'd)

Rates and charges for Special Access Service provided on an individual case basis are filed following:

<u>Customer Name</u>	<u>Description and Location</u>	<u>MTL/NRC MRC</u>	<u>Termination Liability Period</u>
Teleport Communication Group (TCG) ID# MO9501010	Provide self-healing SONET facilities between GTE's Wentzville CO and a manhole near GTE's St. Peters CO in MO.		3 Years beginning November 24, 1995.** Reduces 1/36 for each month in service.
	<u>Rate Element</u> Per optical channel (OC3) of SONET Transport	<u>3 Year MRC</u>	<u>Termination Liability</u>
(USOC-1ZZ32)		\$ 1850	\$46,800
	Per OC3 to virtual tributary (VT 1.5) mapping.		
(USOC-1ZZ33)		\$ 750	\$18,000

** Subsequent installations may be permitted for this location at rates filed herein until November 24, 1996. The termination liability for subsequent installations begin on the date of installation.

In the event this service becomes the subject of a general tariff service offering, subscriber shall be required to either terminate the service or convert the service to the general tariff offering at the rates, terms and conditions provided thereunder. No termination charges shall apply in either instance.

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ACCESS SERVICE7. SPECIAL ACCESS (Cont'd)7.13 High Voltage Protection7.13.1 Description

High Voltage Protection is used at customer locations that may require special equipment to isolate or neutralize Ground Potential Rise (GPR) and/or induced voltage caused by faults in the electric power system. GPR is a voltage difference between two or more ground electrodes caused by earth return currents. GPR on cable facilities can occur, for example, when current from lightning surges flow to ground, but GPR often is associated with voltage generated as the power system fault currents flow to ground. Maximum GPR is developed by the percentage of line-to-ground fault current entering earth through electrode impedance.

This feature will provide high voltage isolation for Special Access telecommunications, while enabling the normal transmission between the Telephone Company wire center and the equipment at the customer's location during GPR environment due to electrical power faults.

7.13.2 Provisioning

The Telephone Company shall determine the proper levels of protection required on its network to isolate or neutralize electrical hazard, based on the information provided by the customer. The customer shall provide the Telephone Company, in writing, the technical data necessary for the Telephone Company to determine the high voltage protection requirements, at the time of application for the initial service, additions to, or changes in the existing service. In addition, the customer shall notify the Telephone Company before making changes in the electric supply that will increase the GPR at the location.

The technical data for the customer's location shall include, but not be limited to, the following:

- ground grid area in square feet
- ground grid impedance in ohms
- X/R ratios at worst case fault location
- GPR in volts MS

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ACCESS SERVICE7. SPECIAL ACCESS (Cont'd)7.13 High Voltage Protection (Cont'd)7.13.2 Provisioning (Cont'd)

Based on the customer's technical data provided to the Telephone Company, the Telephone Company will provide the necessary high voltage protection equipment at the Telephone Company's demarcation point on the customer's premises and at the remote drainage location. The placement of the equipment by the Telephone Company shall in no way release the customer of its responsibility for damage, loss or claims caused by electrical hazards resulting from the customer's electric power system. The Telephone Company's liability for damage, loss or claims is set forth under 2.3.1.

The customer may elect to furnish the equipment at its premises to isolate or neutralize the electrical hazard subject to the approval of the Telephone Company; however, such approval by the Telephone Company shall not relieve the customer of its responsibility to install or maintain adequate high voltage equipment. The high voltage protection equipment at the customer's location will be exclusively owned either by the Telephone Company or by the customer.

When the customer provides the high voltage equipment at its premise, the Telephone Company will provide the necessary high voltage equipment at the wire center and remote drainage location. The Telephone Company will be responsible up to and including the network interface for the termination of Special Access Services regardless of ownership of the high voltage protection equipment.

The Telephone Company will inspect and verify adequacy of the high voltage protection equipment when service is established and at such future times as deemed necessary due to additions, deletions, rearrangements, routine maintenance or for the purpose of verifying the adequacy of the high voltage protection equipment.

7.13.3 Claims and Demands for Damage

In addition to the provisions in Section 2.3.8, the customer shall defend, indemnify and save harmless the Telephone Company from any and all loss, claims, demands, suits or other action or any liability whatsoever, whether suffered, made, instituted or asserted by the customer or by any other party or person, for any personal injury to or death of any person or persons, or for any loss, damage or destruction of any property whether owned by the customer or others, caused or claimed to have been caused directly or indirectly by the installation, operation, failure to operate, maintenance, removal, presence, condition, location or use of such equipment and services associated with high voltage protection equipment furnished by the Telephone Company or with customer equipment when combined or connected with facilities of the Telephone Company.

Services provided by the Telephone Company shall not cause the Telephone Company to become responsible for damage, loss or claims caused by electrical hazards resulting from a customer's electric power system.

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ACCESS SERVICE7. SPECIAL ACCESS (Cont'd)7.13 High Voltage Protection (Cont'd)7.13.4 Network Outage

Interruptions or outages of services provided to customers may occur for reasons, such as facility damage due to storm loading, vehicle accident, lightning strike, or other acts of God. Circuit failures caused by such events cannot be prevented by services provided in accordance with this service (however, interruptions and service outages due to fault-produced ground potential rise and induction can be minimized). The Telephone Company expressly states that provision of the high voltage equipment cannot prevent such service outages as may normally occur due to the proceeding circumstances. It is the responsibility of the customer to provide sufficient protection to prevent damage caused by such events.

Interruptions or outages due to the effects (GPR and/or induction) of faults in the customer's power generating, transmission and/or distribution system are minimized through the installation and maintenance of high voltage protection equipment which is designed to operate in a fault-produced electrical environment.

7.13.5 Compliance Statement

If the Telephone Company has provided service where high voltage protection is necessary, by the customer or the customer-provided equipment is nonfunctional or inadequate or the customer fails, upon written notice, to establish or reestablish the required high voltage protection equipment or apply for and obtain such protection from the Telephone Company, or keep the Telephone Company informed of changed high voltage requirements, then the Telephone Company will disconnect service 120 days after giving the notice required, as set forth under Section 2.1.8(A).

7.13.6 Rate Regulations(A) Minimum Period

The minimum period for High Voltage Protection is one month.

(B) Rate Elements

(1) Initial Common Equipment

A nonrecurring charge and a monthly rate apply for the Initial Common (basic) Equipment used for the physical connection to the network interface. The Initial Common Equipment can accommodate up to eight Special Access facility terminations at a customer's location.

(2) High Voltage Terminating Equipment

High Voltage Terminating Equipment is required for each Special Access facility termination. A nonrecurring charge and a monthly rate for the High Voltage Terminating Equipment apply in addition to the rates and charges for the Special Access facility as well as the associated Special Access Service regulations.

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ACCESS SERVICE

7. SPECIAL ACCESS (Cont'd)7.13 High Voltage Protection (Cont'd)7.13.7 Rates and Charges

<u>Jurisdiction</u>	<u>Initial Common Equipment</u>		<u>Terminating Equipment, Per Circuit Terminated</u>	
	<u>Nonrecurring Charge</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	<u>Monthly Rate</u>
Alabama	\$500.00	\$108.22	\$50.00	\$28.81
Missouri	500.00	108.22	50.00	28.81

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ACCESS SERVICE8. 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. Basic Time is that time during normally scheduled working hours. Overtime is that time outside of normally scheduled working hours on scheduled working days. Premium Time is that time outside of normally scheduled working days.

A call-out of a Telephone Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours. Work subject to Premium Time is always subject to a minimum charge of four hours.

8.1 Additional Engineering

Additional Engineering will be provided by the Telephone Company at the request of the customer or when the Telephone Company determines that Additional Engineering is necessary to accommodate a customer's request.

Additional Engineering is provided when:

- (A) A customer requests additional technical information beyond that normally included by the Telephone Company on the Design Layout Report (DLR) as set forth in 6.4(F) and 7.1.6.
- (B) Additional engineering time is incurred by the Telephone Company to engineer a customer's specific written request for a customized service or additional engineering activities which are not normally performed in the provision of services under this tariff.

The Telephone Company will notify the customer that Additional Engineering charges, as set forth in 8.1.1 following, will apply before any additional engineering is undertaken. 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%.

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ACCESS SERVICE8. Miscellaneous Services (Cont'd)8.1 Additional Engineering (Cont'd)8.1.1 Charges for Additional Engineering

The charges for Additional Engineering are as follows:

Per Engineer, Per Half Hour, or Fraction Thereof

<u>Jurisdiction</u>	<u>Basic Time</u> <u>USOC: AEH</u>	<u>Overtime</u> <u>USOC: AEH</u>	<u>Premium Time*</u> <u>USOC: AEH</u>
Alabama	\$34.42	\$51.64	\$68.85
Missouri	37.36	56.04	74.72

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ACCESS SERVICE8. Miscellaneous Services (Cont'd)8.2 Additional Labor

Additional labor is that labor requested and authorized by the customer on a given service and agreed to by the Telephone Company as set forth in 8.2.1 through 8.2.5 following. The Telephone Company will notify the customer that additional labor charges as set forth in 8.2.6 following will apply before any additional labor is undertaken.

8.2.1 Overtime Installation USOC: ALH

Overtime installation is that Telephone Company installation effort performed outside of normally scheduled working hours.

8.2.2 Overtime Repair USOC: ALH

Overtime repair is that Telephone Company maintenance effort performed outside of normally scheduled working hours.

8.2.3 Stand by USOC: ALT

Stand by includes all time in excess of one-half (1/2) hour during which Telephone Company personnel stand by to make installation acceptance tests or cooperative tests with a customer on a given service.

8.2.4 Maintenance with Other Telephone Companies USOC: ALK

Additional labor charges apply to additional maintenance or repair of facilities which connect to facilities of other telephone companies. This is in addition to the normal efforts required to maintain or repair facilities provided solely by the Telephone Company, as set forth in 2.1.1(C).

8.2.5 Other Labor USOC: ALK

Other labor is that additional labor not included in 8.2.1 through 8.2.4 preceding. This includes labor incurred to accommodate a specified customer request that involves only labor which is not covered by any other section of this tariff.

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ACCESS SERVICE8. Miscellaneous Services (Cont'd)8.2 Additional Labor (Cont'd)8.2.6 Charges for Additional Labor

The charges for additional labor are as follows:

Per Technician, Per Half Hour, or Fraction Thereof
USOC: See Sections 8.2.1 through 8.2.5.

<u>Jurisdiction</u>	<u>Basic Time</u>	<u>Overtime*</u>	<u>Premium Time**</u>
Alabama	\$32.91	\$75.00	\$100.00
Missouri	29.22	75.00	125.00

* A call-out of a Telephone Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

** Subject to a minimum charge of four hours.

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8. Miscellaneous Services (Cont'd)8.3 Maintenance of Service

- (A) The customer will be responsible for reporting troubles sectionalized to Telephone Company facilities and/or equipment. When trouble cannot be clearly sectionalized to the Telephone Company facilities and/or equipment, the Telephone Company will test cooperatively or independently to assist in trouble sectionalization.

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 the customer's or customer's end user premises 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 to the customer's premises, 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.

- (C) The charge for Maintenance of Service are as follows:

Maintenance of Service

<u>Periods</u>	<u>USOC</u>	<u>Per Technician</u>
Per occurrence	MVV	

The charges for Maintenance of Service are the same as those set for Additional Labor as set forth in 8.2 preceding.

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ACCESS SERVICE8. Miscellaneous Services (Cont'd)8.4 Additional Testing

Testing Services provides for the use of a Telephone Company technician in performing specific tests authorized by the customer including additional testing of facilities which connect to facilities of other telephone companies. Testing Services offered under this section of the tariff are optional and are in addition to acceptance tests and in-service tests performed by the Telephone Company as described in 6.4 (G) and 7.1.8 preceding. Testing Services are made subject to the availability of the necessary qualified personnel and test equipment at the requested test locations.

Testing Services consist of Additional Cooperative Acceptance Testing (ACAT) which is performed during installation of Access Services and Nonscheduled Testing (NST) which is performed after acceptance of Access Services by the customer. Rates and charges for Testing Service are set forth in 8.4(C) following.

The Telephone Company will provide, upon request, documentation that lists the results of the tests performed. Trunk test failures requiring customer participation for trouble resolution will be provided to the customer on an as-occurs basis.

(A) Additional Cooperative Acceptance Testing

Rates and charges for Additional Cooperative Acceptance Testing of Switched and Special Access Services apply per technician used.

(1) Switched Access Service

Additional Cooperative Acceptance Testing (ACAT) of Switched Access Service is performed at the time of installation and involves the Telephone Company provision of 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 Telephone Company may, at the request of the customer, supply a technician at the customer's premises to perform the required tests.

Additional Cooperative Acceptance Testing may, for example, consist of the following tests:

- C-Notched Noise
- Impulse Noise
- Phase Jitter

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ACCESS SERVICE8. Miscellaneous Services (Cont'd)8.4 Additional Testing (Cont'd)(A) Additional Cooperative Acceptance Testing (Cont'd)

- Signal to C-Notched Noise Ratio
- Intermodulation Distortion (Nonlinear)
- Frequency Shift (Offset)
- Envelope Delay Distortion
- Dial Pulse Percent Break

(2) Special Access Service

When a customer provides a technician at its premises or at an end user's premises, with suitable test equipment to perform the requested tests, the Telephone Company may provide a technician at its office for the purpose of conducting Additional Cooperative Acceptance Testing on Voice Grade Services at the time of installation. At the customer's request, the Telephone Company may provide a technician at the customer's premises or at the end user premises: 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
- Echo Control
- Frequency Shift

(B) Nonscheduled Testing

Nonscheduled tests are performed by the Telephone Company "on demand." When a customer provides a technician at its premises with suitable test equipment to perform the required tests, the Telephone Company may provide a technician at its office for the purpose of conducting Nonscheduled Testing of Switched or Special Access services. At the customer's request, the Telephone Company may provide a technician at the customer's premises. Nonscheduled tests may consist of any tests, e.g., loss, noise, slope, envelope delay, which the customer may require. Rates and charges for Nonscheduled Testing apply per technician used.

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ACCESS SERVICE8. Miscellaneous Services (Cont'd)8.4 Additional Testing (Cont'd)(C) Rates and Charges

The charges for Additional Testing are as follows:

Per Technician, Per Half Hour, or Fraction Thereof

<u>Jurisdiction</u>	<u>Basic Time</u> <u>USOC: ALK</u>	<u>Overtime*</u> <u>USOC: ALK</u>	<u>Premium Time**</u> <u>USOC: ALK</u>
Alabama	\$32.91	\$49.36	\$65.82
Missouri	29.22	43.83	58.44

* A call-out of a Telephone Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

** Subject to a minimum charge of four hours.

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ACCESS SERVICE8. Miscellaneous Services (Cont'd)8.5 Presubscription

Presubscription is an arrangement whereby an end user may select and designate to the Telephone Company an IC to access for 1+ interLATA calls. It also applies to agents for Pay Telephone service whereby the agent may select an IC for the routing of 0+ calls. This IC is referred to as the end user's or agent's predesignated IC.

The regulations and charges pertaining to Presubscription of residence and business lines and/or trunks are set forth in CC Docket 83-1145, Phase I, Memorandum Opinion and Order, Appendix B, adopted by the Federal Communications Commission on May 31, 1985 and released on June 12, 1985. A copy of the Order with all Appendices is available for inspection at the main building of the Federal Communications Commission and can also be obtained from the FCC's commercial contractor. Regulations and charges for Presubscription set forth in this section are in compliance with the Order. Guidelines established in this Order are used to provide Presubscription of Pay Telephone Service.

Should a customer want to use other services of the same or another IC, it will be necessary for the customer to dial the necessary access code(s) (i.e., 101XXXX) to reach that IC's service(s).

Multi-party end users will continue with the same IC service arrangement which existed prior to the end office conversion. However, multi-party end users may access the IC of their choice by dialing the appropriate 101XXXX carrier identification code. In certain suitably equipped end offices two-party customers may subscribe to the IC of their choice.

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ACCESS SERVICE8. Miscellaneous Services (Cont'd)8.5 Presubscription (Cont'd)(A) End User Notification and Balloting Procedure

Approximately 90 days prior to the introduction of equal access (Feature Group D and BSA-D) in a serving end office, the Telephone Company will notify all affected end users and agents of the availability of equal access. The end user or agent will be directed to designate a primary IC by the use of an equal access ballot to be returned to the Telephone Company within approximately 45 days after the mailing date. An end user or agent has the option of independently contacting the IC to make arrangements for presubscription to the IC's service.

The equal access ballot will include all the names of ICs participating in the presubscription process. The IC listed on a pay telephone ballot will be the 0+ carrier. ICs are required to place an order for Feature Group D or BSA-D in accordance with the regulations set forth in 6.4 (J) preceding.

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

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ACCESS SERVICE8. Miscellaneous Services (Cont'd)8.5 Presubscription (Cont'd)(A) End User Notification and Balloting Procedure (Cont'd)

Customers may select only one primary IC for each access line or multiline hunt group through the ballot process. Multiline hunt group end users will be given the opportunity to select more than one primary IC by contacting the Telephone Company. Customers may designate that they do not want a primary IC by notifying the Telephone Company. This choice is considered a valid selection and the nonrecurring charge as set forth in (E)(1) following will apply to any subsequent change made after the equal access conversion date.

New end users or agents who are served by end offices equipped with Feature Group D and BSA-D will be required to presubscribe to an IC, at no charge, at the time they place an order with the Telephone Company for Telephone Exchange Service. A confirmation notice will be sent to end users or agents who verbally place an order for service identifying the IC selected. New end users or agents will have ninety days from the date the initial selection is made to change their choice of an IC without charge, on a one-time basis.

If through the fault of the Telephone Company, the end user or agent is not subscribed to its chosen PIC, the nonrecurring charge in 8.5(E)(6) do not apply to reassign the end user or agent to his chosen PIC.

(B) Allocation Process

End users or agents who do not return their initial ballot will receive a second ballot indicating that they have been pre-assigned to a specific IC. The Telephone Company will assign non-presubscribed end users or agents randomly to the participating ICs in the same proportion as the presubscribed end users or agents based on the results of the initial balloting process as set forth in (A) preceding. Separate allocation processes will be used for residence, business lines and Pay Telephones.

End users or agents who do not return the second ballot by the specified due date will be presubscribed to the IC indicated on that ballot. Allocated customers will have six months after the equal access conversion date to change to an IC of their choice without charge.

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ACCESS SERVICE8. Miscellaneous Services (Cont'd)8.5 Presubscription (Cont'd)(C) IC Customer Lists

The Telephone Company will accept from the IC a list(s) of end users or agents that have made individual arrangements with that IC to become their primary IC. The IC must submit a Telephone Company end user or agent enrollment form listing these end users or agents. The end user or agent enrollment form must be accompanied by a document affirming that the IC does, in fact, have, or has instituted steps designed to obtain, signed letters of agency from the end users or agents designating the IC to act as the end user's or agent's agent for the presubscription process. The IC will accept responsibility for any billing disputes arising from implementation of its end user or agent lists.

(D) End User or Agent Choice Discrepancies

In the event of discrepancy between an end user's or agent's ballot and an IC's end user or agent enrollment form, the Telephone Company will notify, within 10 days, all affected ICs via a conflict report. If the IC certifies to the Telephone Company that it has a signed letter of agency from the end user or agent with a date subsequent to that on the ballot, that IC becomes the primary IC for that end user or agent. If the IC is unable to obtain a letter of agency signed by the end user or agent, the IC selected on the end user's or agent's ballot will be used.

When two or more enrollment forms are received from different ICs, and no ballot is returned, the end user or agent in question will be included in the allocation process and will be notified, via the second ballot, that a conflict exists. In addition, the ICs will be notified in this instance. If the conflict is discovered after allocation has taken place, the subscriber in question will be contacted by the Telephone Company to obtain a valid selection.

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ACCESS SERVICE8. Miscellaneous Services (Cont'd)8.5 Presubscription (Cont'd)(E) Presubscription Charge

The nonrecurring charge for Presubscription will be applied as follows:

- (1) Initial end user, end user agent and a local service provider who resells services (herein referred to as reseller) selection of a primary IC by ballot or appearing on an IC list will not incur a charge. The nonrecurring charge for Presubscription does not apply to any change in selection of a primary IC made prior to the equal access conversion date. After the end office equal access conversion date, for any change in the end user's, end user agent's or reseller's selection of a primary IC, a nonrecurring charge as set forth in (8) following will apply to the end user or agent.
- (2) An allocated end user, end user agent or reseller may use the second ballot as described in (B) preceding or contact the Telephone Company to make an IC selection after allocation has taken place. There will be no charge for this selection if it is done within 6 months after the equal access conversion date.
- (3) Changes in an end user's, end user agent's or reseller's primary IC made as a result of the resolution of an end user, end user agent or reseller choice discrepancy, as set forth in (D) preceding, will not incur the nonrecurring charge provided the change is made within 6 months after the equal access conversion date.

The Telephone Company will make post conversion changes in the end user's, end user agent's or reseller's PIC assignment pursuant to an IC provided list of customers, accepted by the Telephone Company under conditions set forth in (C) and (D). Should an end user, end user agent, or reseller dispute authorization of the change within two years of the PIC assignment, the Telephone Company will place the end user on the previous IC network where possible and the IC billed according to 8.5(G).

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8. Miscellaneous Services (Cont'd)

8.5 Presubscription (Cont'd)

(E) Presubscription Charge (Cont'd)

- (4) An IC will be charged the Presubscription Charge if the IC submits a request for a change in an end user's, end user agent's or reseller's primary IC, the end user, end user agent or reseller disputes that request. End users, end user agents or resellers will not be charged the Presubscription Charge for any changes made as a result of an error on the part of the IC or the Telephone Company.

An IC will also be charged the nonrecurring charge when it requests a change in the customer identification code assigned to an existing individual end user's service. This type of change does not require a change in the end user's primary IC, only a change in the type of service provided by the IC.

- (5) If an IC elects to discontinue all of its Feature Group D or BSA-D service in the converting end office prior to the conversion date or within two years after the introduction of Feature Group D or BSA-D in the converting end office, the IC must notify in writing all end users, end user agents or resellers who have selected or been allocated to that IC, inform these end users, end user agents or resellers of the cancellation, request the end users, end user agents or resellers to select a new IC and state that the canceling IC will pay for the change charge. For a period of two years from the discontinuance of FGD or BSA-D service the Telephone Company will bill a canceling IC the nonrecurring charge as set forth in (6) following for each end user, end user agent or reseller the IC currently has designated to it.

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8. Miscellaneous Services (Cont'd)

8.5 Presubscription (Cont'd)(E) Presubscription Charge (Cont'd)

(6) The nonrecurring charge for Presubscription is as follows:

Presubscription, per Telephone Exchange Service line, trunk, or Pay Telephone	<u>Nonrecurring Charge</u>
	\$5.00

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8. Miscellaneous Services (Cont'd)

8.5 Presubscription (Cont'd)

(F) Balloting and Allocation Procedure for Pay Telephones

- (1) An agent of Pay Telephone service may select and designate to the telephone company an IC for the routing of 0+ interLATA calls. This IC is referred to as the agent's primary IC.
- (2) The 1+ interLATA calls from a pay telephone will be handled by the agent's primary IC if the IC handles 1+ traffic, by a secondary service provider selected by an agent's primary IC, or by the default carrier if the agent's primary IC has made no arrangements for handling 1+ traffic from a pay telephone. If the agent's primary IC elects not to submit an order for its 1+ interLATA sent-paid traffic or fails to select a secondary service provider to handle its 1+ interLATA calls from the Telephone Company's pay telephones, the 1+ interLATA coin sent-paid traffic will continue to be routed to the existing 1+ default carrier (provided such carrier continues to accept it) until the 0+ carrier notifies the Telephone Company as set forth in Section 14.
- (3) The Telephone Company will notify agents of Pay Telephones of the availability of equal access for Pay Telephone services through the mailing of an equal access ballot. The mailing of initial ballots will take place 90 days prior to end office conversion. Agents of Pay Telephones will be requested to return their respective ballot to the Telephone Company within 45 days after the mailing date.
- (4) An IC obtaining service commitments from agents directly, must obtain signed authorization from those agents. The IC will be required to provide that authorization to the Telephone Company within 15 days of the Telephone Company's request for the resolution of disputes.
- (5) Agents of Pay Telephones who have not made a primary IC selection, either through the payphone equal access ballot, or directly with an IC, will be sent a second ballot by the Telephone Company in accordance with the procedures set forth in Section 8.5(B) preceding. Agents who do not return the second ballot by the specified due date will be presubscribed to the IC indicated on that ballot. Allocated agents will have six months after the date that presubscription of Pay Telephones is made available to change to an IC of their choice without charge.

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8. Miscellaneous Services (Cont'd)

8.5 Balloting and Allocation Process for Equal Access (Cont'd)

(G) Unauthorized Presubscription Change

An Unauthorized Presubscription Change is a change in the preferred interLATA IC that the end user or Pay Telephone Service Provider denies authorizing.

If an end user or Pay Telephone Service Provider denies authorizing a change in interLATA IC as submitted by the alleged unauthorized IC, the alleged unauthorized IC will be assessed the Presubscription Charge as specified in 8.5(E) (6) for:

- Changing the end user or Pay Telephone Service Provider to the disputed IC, and
- Placing the end user or Pay Telephone Service Provider on their previous IC network or the IC network of their choice.

In accordance with the Federal Communications Commission's Slamming Liability Rules in CC Docket 94-129, if an alleged unauthorized carrier is ultimately exonerated of liability, the alleged unauthorized IC is entitled to receive full payment from the end user or Pay Telephone Service Provider for all services provided. In such situations, any Presubscription Charges assessed against the alleged unauthorized IC by the Telephone Company are subject to rebilling to the end user or Pay Telephone Service Provider by the alleged unauthorized IC.

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ACCESS SERVICE8. Miscellaneous Services (Cont'd)8.5 Presubscription (Cont'd)(H) IC CIC Consolidation

IC requests to consolidate multiple CICs (Carrier Identification Codes) will be subject to an IC CIC Consolidation Charge. This charge is only assessed when all lines or trunks associated with the former CIC(s) are changed on a one-time realignment basis within the Telephone Company's databases at a nationwide level to a single existing CIC. Requests for an IC CIC Consolidation must be provided to the Telephone Company in writing, but no ASR Ordering Charge is applicable for this request.

The IC CIC Consolidation charge does not apply to normal PIC change activity, whereby carrier selection is changed and no consolidation of CICs occurs.

The Telephone Company will negotiate a due date for an IC CIC Consolidation with the IC. It is the sole responsibility of the IC to notify affected end users of the change.

If an IC elects to change a CIC due to surrendering a CIC to the North American Numbering Plan (NANP) Administrator for reassignment, the IC CIC Consolidation Charge will be waived. The waiver is applied only when the IC surrenders the CIC on a nationwide basis. Additionally, the CIC must be relinquished within ninety (90) days from the completed conversion date. Confirmation of relinquished code(s) must be in writing and come from the NANP Administrator.

	<u>USOC</u>	Nonrecurring <u>Charge</u>
IC CIC Consolidation Charge, per line or trunk (All jurisdictions)	NRBCC	\$1.30

Note: This charge is billed to an IC who requests customer CIC changes in order to consolidate multiple CICs provided that all lines or trunks associated with the former CIC(s) are changed at the same time to a single existing CIC.

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ACCESS SERVICE8. MISCELLANEOUS SERVICES (Cont'd)8.5 Presubscription (Cont'd)8.5.1 End User/Agent Lists(A) Presubscription Lists

Prior to conversion to equal access (i.e., introduction of FGD or BSA-D in an end office switch) an IC may request a list of the Telephone Company's end users and agents of record served from that end office switch. The Presubscription List will be provided as follows:

- (1) The Telephone Company will provide a list from its customer data base. The list may be provided on magnetic tape, electronic transmission, or paper printout, at the option of the IC, at rates provided in 8.5.2. Foreign listings, PBX stations, CU Centrex stations and numbers not in service will not be provided.
 - (a) The Initial List will be provided to the IC no later than 30 days after receipt of the order and payment by the IC of charges in 8.5.2. The nonrecurring charge for the Initial List applies per state, per order. A single order may contain all end offices within a state having the same equal access conversion date. The telephone number will not be provided if an end user or agent has a nonpublished number.
 - (b) The Account Activity List, which includes a listing of all changes to the customer data base since the Initial List was produced, will be provided on a cyclic basis. The Account Activity List will only include information for those end users and agents that are presubscribed to the IC (including end users and agents with nonpublished numbers) for the sole purpose of updating the IC's customer account information. There is no charge for this list.
- (2) The IC agrees to use the Initial and Account Activity Lists for the sole purpose of either contacting potential customers/agents, or existing customers/agents, regarding interexchange telecommunications services available through equal access to be obtained from the Telephone Company or for the purpose of updating IC customer/agent account information. The IC agrees not to sell, or reproduce in any manner, in whole or in part, the lists or permit such to be done.

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Vice President, External Relations
PO Box 4065, Monroe, LA 71211

ACCESS SERVICE

8. MISCELLANEOUS SERVICES (Cont'd)
- 8.5 Presubscription (Cont'd)
- 8.5.1 End User/Agent Lists (Cont'd)
- (A) Presubscription Lists (Cont'd)
- (3) The IC shall indemnify, protect and save harmless the Telephone Company from and against any and all loss, liability, damages and expense arising out of any demand, claim, suit or judgment for damages which may arise out of the Telephone Company's supplying of listing information, services or records.
- (4) The Telephone Company and the IC agree that the mutual objective of the parties is to conduct their respective businesses to avoid confusion by the end users and agents as to the separate and independent identity of the respective companies and their services. Neither the Telephone Company nor the IC shall make any representation to end users, the public, prospective advertisers, expressed or implied, written or oral, which would imply that the IC is the same as, a part of, or associated with the Telephone Company.
- (5) This service may be terminated by either the Telephone Company or the IC upon 30 days' written notice. The Telephone Company reserves the right to terminate this service immediately upon written notice if the IC misuses the list information. Performance by the Telephone Company shall be excused in the event of strike, riot, act of God or any other cause beyond the reasonable control of the Telephone Company.

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ACCESS SERVICE

8. MISCELLANEOUS SERVICES (Cont'd)8.5 Presubscription (Cont'd)8.5.1 End User/Agent Lists (Cont'd)(B) Allocation Lists

(1) The Telephone Company will provide to the IC, at no charge, a list of end users and agents that have been allocated to the IC as described in 8.5(B). This list will be provided after the Balloting and Allocation process occurs.

(2) A list of all end users and agents who have been allocated, in accordance with 8.5(B), will be available to an IC upon request. Charges in 8.5.2 will apply. The nonrecurring charge for the Allocation List applies each time the IC orders the service. A single order may contain all end offices within a state having the same equal access conversion date.

(C) Snapshot List

The Snapshot List is a summary of selected end user and agent information for specific ICs which reside in the Telephone Company customer data base. The Snapshot List may be provided on magnetic tape, electronic transmission, or paper printout, at the option of the IC, at rates provided in 8.5.2(B). Foreign listings, PBX stations, CU centrex stations and numbers not in service will not be provided.

The Snapshot List will be provided to the IC no later than 30 days after receipt of the order. The nonrecurring charge for the Snapshot List applies per state, per order.

The purpose, liability and objectives associated with the provision of the Snapshot List are in 8.5.1(A)(2), (3), (4) and (5).

(D) Line Range Reports - Lines Not Available For Subscription
(USOC - OHB; OHC; OHD)

The Line Range Report provides information to the IC regarding a line or series of lines (telephone numbers) that are not available for subscription. The lines may be in a central office that has not been converted to equal access or may have services/equipment which make it not available for subscription.

The Line Range Report can be provided on a monthly basis as requested by the customer. Each monthly report provided will incur a nonrecurring charge as set forth in 8.5.2(C).

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ACCESS SERVICE

8. MISCELLANEOUS SERVICES (Cont'd)8.5 Presubscription (Cont'd)8.5.2 End User/Agent Lists-Rates and Charges(A) Initial and Allocation Lists

(USOC)	Nonrecurring Charge Per State, Per Order (DMT)	Initial List	Allocation List
		Per Customer* Per Account (2Y6CT)	Per Listing* (2Y6CT)
<u>Jurisdiction</u>			
Alabama	\$50.00	\$.03	\$.03
Missouri	50.00	.03	.03

* For the purpose of the Initial List customer and agent are defined in Section 2.6. For the purpose of the Allocation List, a listing is defined as an end user or agent record eligible for a Primary Interexchange Carrier Selection.

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ACCESS SERVICE8. MISCELLANEOUS SERVICES (Cont'd)8.5 Presubscription (Cont'd)8.5.2 End User/Agent Lists-Rates and Charges (Cont'd)(B) Snapshot List

(USOC)	Nonrecurring Charge Per State, Per Order (SSQ)	Snapshot List Per Listing* (SSY)
<u>Jurisdiction</u>		
Alabama	\$75.00	\$.05
Missouri	75.00	.05

* For the purpose of the Snapshot List, a listing is defined as an end user or agent record eligible for a Primary Interexchange Carrier Selection.

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ACCESS SERVICE8. MISCELLANEOUS SERVICES (Cont'd)8.5 Presubscription (Cont'd)8.5.2 End User/Agent Lists-Rates and Charges (Cont'd)(C) Line Range Reports - Lines Not Available For Subscription

(USOC)	Nonrecurring Charge
	<u>Per Order</u> (NRBZR)
<u>Jurisdiction</u>	
Alabama	\$583.00
Missouri	583.00

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ACCESS SERVICE8. Miscellaneous Services (Cont'd)8.6 Billing Name and Address Services

The Telephone Company will, upon request, provide Billing Name and Address Service (BNAS) to a Telecommunications Service Provider (customer), or its authorized billing and collection agent. Telecommunications Service Providers include interexchange carriers, operator service providers, enhanced service providers, and any other provider of interstate telecommunications services. There are three BNAS offerings available pursuant to this tariff, Per Call/Periodic BNA, Data Gathering Service (DGS), and End User Validation List.

8.6.1 Per Call/Periodic BNA and Data Gathering Service

Per Call/Periodic BNA is the billing name and address and Data Gathering is the billing telephone number, name, address and associated working telephone number information for customer provided ten digit end user telephone numbers required by the Telecommunications Service Provider customer to bill for calls placed within a specific time period. Per Call/Periodic BNA and DGS are offered subject to the following conditions:

A standard format for the receipt and provision of telephone number and billing name and address information will be established by the Telephone Company. Charges for each Per Call/Periodic BNA searched for and found or searched for and not found will be billed at rates in 8.6.3(A). Charges for each record accessed for DGS are set forth under 8.6.3(B). Per Call/Periodic BNA and DGS will be provided via magnetic tape, electronic transmission, or paper format, at the option of the customer, at rates in 8.6.3(A) or 8.6.3(B) respectively. The processing fee will be applied on a per state basis, once per calendar year for BNAS processing done within that calendar year.

The customer must order Per Call/Periodic BNA or DGS and provide test data tape at least 30 days prior to delivery of the first customer order.

The frequency for receipt of the customer provided orders for Per Call/Periodic BNA or DGS will be no more than twice monthly and at intervals mutually agreed upon between the Telephone Company and the customer. The customer provided end user telephone numbers will be programmed by the Telephone Company with the proper end user's billing name and address contained in the Telephone Company's file at that time.

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ACCESS SERVICE8. Miscellaneous Services (Cont'd)8.6 Billing Name and Address Services (Cont'd)8.6.1 Per Call/Periodic BNA and Data Gathering Service (Cont'd)

Per Call/Periodic BNA and DGS information for nonlisted/nonpublished end user telephone numbers will be provided unless the nonlisted/nonpublished end user provides written notice to the Telephone Company of nonconsent to the release of the BNA/DGS data. Within 30 days of receipt of such notice, the Telephone Company will discontinue disclosure of the end user's nonlisted/nonpublished BNA/DGS data.

For other than electronic transmission, the output records will be sent to the customer via first class U. S. Mail. The output records will normally be made available for mailing ten workdays after receipt of the customer order or at an interval mutually agreed upon. Availability may be delayed in case of input errors in the customer provided order.

The customer may request data be transmitted. Data transmission charges will be determined on an ICB. Data transmission hardware and software specifications will be mutually agreed upon by the Telephone Company and the customer.

Per Call/Periodic BNA and DGS detail will not be retained by the Telephone Company longer than 45 days. If the customer requests that the output be made available on a second occasion, such request must occur within 30 days from the date the first was made.

Any customer, provided Per Call/Periodic BNA or DGS pursuant to this tariff, agrees to abide by all applicable rules, decisions, orders, statutes and laws concerning the disclosure of published and nonpublished telephone numbers, and further agrees to use the information contained therein only for the purpose of billing for services provided to their end users.

In no case shall any customer or authorized billing and collection agent of a customer disclose the billing name and address information of any subscriber to any third party, except that a customer may disclose BNA/DGS information to its authorized billing and collection agent or to governmental law enforcement agencies.

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ACCESS SERVICE

- 8. Miscellaneous Services (Cont'd)
- 8.6 Billing Name and Address Services (Cont'd)
- 8.6.2 End User Validation List

End User Validation Lists provide for the disclosure of all or a portion of end user/agent data available from the Telephone Company's records, to a Telecommunications Service Provider (customer), for purposes other than billing, and in compliance with the conditions set forth in Part 64.1201(c)(1) of the FCC's Rules and Regulations. In addition, End User Validation List Service is offered subject to the following:

Standard End User Validation Lists will be provided in three (3) files, business, coin (semi-public and public paystations) and residence. Nonlisted/nonpublished information will be excluded, with the exception of nonlisted public paystations. The lists may be ordered on a national, multi-state or state level basis, at the option of the customer, for any of the Telephone Company's jurisdictions subject to this tariff, unless prohibited by federal regulation or federal statute. Rates for the standard End User Validation List are set forth under 8.6.3(C).

Per calendar year, the customer may request up to two (2) lists per state for business, coin, and residence listings.

A standard format will be established by the Telephone Company. Requests for special list sorts will be limited to an end user list separating those that are presubscribed to the requesting customer, and/or those that are not. The rate, per record, applicable to special sorts is set forth under 8.6.3 (C).

Each request shall be treated as a new request. Requests for updates from previous lists will not be provided.

The customer shall have fifteen (15) business days from the date of delivery of a list to request any investigation of issues arising from the provision of the list.

End User Validation Lists will normally be provided to the customer within thirty calendar days after receipt of a request and within ten (10) business days of extraction, or at an interval mutually agreed upon. The administrative fee set forth under 8.6.3 (C) applies per request, whether ordered on a per state, multi-state, or national level.

In no case shall any customer or authorized billing and collection agent of a customer disclose the billing name and address information of any subscriber to any third party, except that a customer may disclose BNA information to its authorized billing and collection agent or to governmental law enforcement agencies.

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ACCESS SERVICE

8. Miscellaneous Services (Cont'd)8.6 Billing Name and Address Services (Cont'd)8.6.3 Rates and Charges(A) Per Call/Periodic BNA

(USOC)	Billing Name and Address <u>Found/Each</u> (BNYFX)	Billing Name and Address <u>Not Found/Each</u> (BNYNX)	<u>Processing Fee*</u> Paper Report, Electronic Transmission, or Magnetic Tape/ <u>Each State</u> (BNYMX)
<u>Jurisdiction</u>			
Alabama	\$.43	\$.47	\$49.25
Missouri	.17	.17	44.77

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ACCESS SERVICE

8. Miscellaneous Services (Cont'd)8.6 Billing Name and Address Service (Cont'd)8.6.3 Rates and Charges(B) Data Gathering Service

(USOC)	Per Record Accessed (D7GPR)	Processing Fee* Paper Report, Electronic, Transmission or Magnetic Tape/ Each State (D7G)
<u>Jurisdiction</u>		
Alabama	\$.19	\$75.00
Missouri	.27	76.65

* Applies once per calendar year for DGS processing done within that calendar year.

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ACCESS SERVICE

8. Miscellaneous Services (Cont'd)8.6 Billing Name and Address Services (Cont'd)8.6.3 Rates and Charges(C) End User Validation List

(USOC)	<u>Standard Sort, Per Record Provided</u>	<u>Administrative Fee</u>	
		<u>Paper Report, Electronic, Transmission or Magnetic Tape/ Per Request</u>	<u>Special Sort, Per Record Provided</u>
<u>Jurisdiction</u>			
Alabama	\$.032	\$78.00	\$.053
Missouri	.031	78.00	.054

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ACCESS SERVICE8. MISCELLANEOUS SERVICES (Cont'd)8.7 Denial/Restoral Service

The Telephone Company will, upon request, provide Denial/Restoral service to ICs for those end users that have designated the IC as their primary interexchange carrier.

- (A) Denial/Restoral service provides for Telephone Company notification to an IC that an end user's local exchange service has been temporarily suspended due to non-payment of the end user's local exchange service. Subsequently, the Telephone Company will provide notification to the IC if the end user's service has been restored from temporary suspension.
- (B) Notification shall be provided via the Customer Account Record Exchange electronic interface.
- (C) The IC agrees to abide by all applicable rules, decisions, orders, statutes and laws concerning the disclosure of published and nonpublished telephone numbers, and further agrees to use the information provided by Denial/Restoral service only for the purposes of billing services provided to their end users.
- (D) A charge in (E) will apply to the IC for each notification per end user local telephone exchange service number provided to the IC.
- (E) Denial/Restoral Service
- per telephone number provided \$.10

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ACCESS SERVICE8. Miscellaneous Services (Cont'd)8.8 Telecommunications Service Priority8.8.1 General

The Telephone Company will arrange a Telecommunications Service Priority (TSP) installation and service restoration classification on receipt of certification in conformance with Part 64, Subpart D, Appendix A of the Federal Communications Commission's Rules and Regulations.

The TSP System is a service, developed to meet the requirements of the Federal Government, for the priority installation and/or restoration of NSEP telecommunications services. These include both Switched and Special Access Services. The TSP System applies only to NSEP telecommunications services and requires and authorizes priority action by the Telephone Company.

The TSP System shall be provided in accordance with the guidelines set forth in "Telecommunications Service Priority (TSP) System for National Security Emergency Preparedness (NSEP) Service Vendor Handbook" (NCS) H 3-1-2 dated July 9, 1990 and "Telecommunications Security Emergency Preparedness (NSEP) Service User Manual" (NCS) M 3-1-1.

8.8.2 Priority Installation

Expedited order charges, as set forth in Section 5.3.1.(D), are applicable to access orders submitted with a TSP installation priority. Access orders requiring the special construction of facilities will be subject to the regulations, rates and charges of CenturyTel Operating Companies Tariff F.C.C. No. 4, Special Construction.

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ACCESS SERVICE8. Miscellaneous Services (Cont'd)8.8 Telecommunications Service Priority (Cont'd)8.8.3 Priority Restoration

- (A) New orders with priority level assignments will be provisioned in accordance with the guidelines established for TSP. The Telephone Company will not accept orders for new Restoration Priority System (RP) circuits after September 10, 1990. Applications for circuits previously provisioned under RP must be resubmitted for provisioning in accordance with the guidelines established for TSP during the 30-month transition period between September 10, 1990 through March 10, 1993. The Nonrecurring Charge as set forth in 8.8.4(B) will apply to RP orders resubmitted for provisioning under the TSP System. After the transition period, the Telephone Company will discontinue any RP assignments remaining on record.
- (B) Under certain conditions it may be necessary to preempt one or more customer services with a lower or no restoration priority in order to install or restore NSEP telecommunications service(s) of a higher priority. If such preemption is necessary, and if circumstances permit, the Telephone Company will make reasonable effort to notify the preempted service customer of the action to be taken.
- (C) No additional charge applies to the implementation of a Priority Restoration level submitted concurrent with the initial order to install the Switched or Special Access Service. The nonrecurring charge set forth in 8.8.4(B) following will apply to any request to change or add a Priority Restoration level on an existing Switched or Special Access Service.

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ACCESS SERVICE

8. Miscellaneous Services (Cont'd)8.8 Telecommunications Service Priority (Cont'd)8.8.4 Rates and Charges

The following rates and charges are in addition to all other rates and charges that may be applicable for other services that may be furnished the provisions of this tariff which operate in conjunction with the TSP System.

Priority Installation of an Access Service.

- | | | |
|-----|--|---|
| (1) | Expedited Orders | Regulations, rates and charges are the same as those set forth in 5.3.1(D) preceding for Switched and Special Access Service. |
| (2) | Utilization of Specially Constructed Facilities. | Regulations, rates and charges are the same as those set forth in CenturyTel Operating Companies Tariff F.C.C. No. 4, Special Construction. |

Priority Restoration (PR) Level Implementation on an Access Service.

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>
(1)	When the PR level is implemented concurrent with the initial ASR.	---	\$4.85
(2)	When the PR level is added or changed on an existing Access Service.	---	None
		\$4.85	\$14.50

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ACCESS SERVICE

8. Miscellaneous Services (Cont'd)8.9 International Blocking Service

The Telephone Company, upon request, will provide end office blocking of only end user direct dialed 011+ and 101XXXX+011+ calls from an end user's location. This optional service is offered on a per line basis where facilities permit and is available for use with local business exchange service offered in the Telephone Company's general or local exchange tariff.

	Nonrecurring Charge
International Blocking Service, per line or trunk (all jurisdictions)	\$19.95

8.10 Service Access Code 900 Blocking

Service Access Code 900 Blocking provides for the blocking of all calls originated to the 900 service access code. The service is provided upon request where facilities permit and is provided free of charge to customers for the first blocking request. For 900 blocking requests after the first request a nonrecurring charge is applicable per telephone number blocked. Customer requests to remove 900 blocking, i.e., to unblock the service must be in writing. There is no charge for unblocking.

	Nonrecurring Charge
Service Access Code 900 Blocking (per number blocked after the first request)	\$ 5.00

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ACCESS SERVICE8. MISCELLANEOUS SERVICES (Cont'd)8.11 Selective Class of Call Screening (SCOCS)

- (A) Selective Class of Call Screening is an optional service available, where facilities permit, in Telephone Company electronic end offices. This service restricts outgoing 1+, 0+ and 0- calls placed over the Telephone Company's network, to only those calls which are charged to a number other than the originating number, i.e., collect, third number billed or Calling Card. Selective Class of Call Screening is available for use with line side General Exchange Tariff services that are provided for the provision of telecommunication services to transient members of the public.

The customer will specify, at the time of the order, the restriction or restrictions desired. The customer may specify any combination of the following to restrict the billing of outgoing toll calls to:

- A Credit Card
- A Third Number
- Collect to the Called Number

Option 1

An outgoing 1+ call will not be permitted unless the end user makes arrangements to have the call billed to a called telephone number (Collect), a third number or a Calling Card account.

Option 2

An outgoing 0+ or 0- call will not be permitted unless the end user makes arrangements to have the call billed to a called telephone number (Collect), a third number or a Calling Card account.

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ACCESS SERVICE8. Miscellaneous Services (Cont'd)8.11 Selective Class of Call Screening (SCOCS) (Cont'd)(B) Rates and Charges

<u>Jurisdiction</u>	<u>Monthly Rate, Per Option</u>
Alabama	\$.31
Missouri	.29

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ACCESS SERVICE

8. Miscellaneous Services (Cont'd)8.12 Miscellaneous Equipment(A) Controller Arrangement

This arrangement enables the customer to control up to 48 transfer functions at a Telephone Company central office via a remote keyboard terminal capable of either 300 or 1200 bps operation. Included as part of the Controller Arrangement is a dial-up data station located at the Telephone company Central office to provide access to the Controller Arrangement. This dial-up data station consists of 212A DATAPHONE data set and an appropriate Telephone Company provided channel.

The Controller Arrangement must be located in the same Telephone Company central office as the transfer functions which it controls.

	<u>USOC</u>	<u>Monthly Charge</u>
- Per arrangement	XTDDU	\$100.00

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ACCESS SERVICE8. Miscellaneous Services (Cont'd)8.13 Integrated Services Digital Network (ISDN) Line Port

End users subscribing to Integrated Services Digital Network-Basic Rate Interface (ISDN BRI) and Integrated Services Digital Network-Primary Rate Interface (ISDN PRI) will be assessed an ISDN Line Port Charge.

When end user ISDN BRI or ISDN PRI is provided by a local service provider that resells local service (reseller), the reseller will be assessed the ISDN Line Port charge.

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ACCESS SERVICE8. Miscellaneous Services (Cont'd)8.13 Integrated Services Digital Network (ISDN) Line Port8.13.1 Rates and Charges

<u>Jurisdiction</u>	<u>Monthly Rates Per ISDN BRI Arrangement</u>	<u>Monthly Rates Per Per ISDN PRI Arrangement</u>
Alabama	\$ 2.71	\$ 10.00
Missouri	2.76	10.00

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ACCESS SERVICE

8. Miscellaneous Services (Cont'd)8,14 Service Provider Number Portability Fee

The Service Provider Number Portability (SPNP) Fee recovers the costs of implementing long-term number portability. The SPNP Fee shall be assessed to each end user in the 100 largest Metropolitan Statistical Areas (MSAs) and each end user served from a number-portability-capable wire center outside the 100 largest MSAs with the following exceptions.

- Each PBX Trunk shall be assessed nine (9) monthly SPNP Fees as calculated below
- Each ISDN PRI arrangement shall be assessed five (5) monthly SPNP Fees as calculated below
- Lifeline customers shall not be assessed the SPNP Fee

The SPNP Fee shall also be assessed to carriers that purchase Telephone Company unbundled switching ports and resellers of the Telephone Company's local service.

<u>SPNP Monthly Rate Per Line</u>	<u>SPNP Monthly Rate Per PBX Trunk</u>	<u>SPNP Monthly Rate Per ISDN PRI Arrangement</u>
\$0.00	\$0.00	\$0.00

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ACCESS SERVICE

8. Miscellaneous Services (Cont'd)8.15 Payphone-Specific Coding Digits

The Telephone Company will equip local exchange telephone lines ordered by Payphone Service Providers (PSPs) from the Telephone Company's general and/or local exchange tariff with the capability to transmit three (3) payphone specific coding digits. The digits which will be transmitted to the Interexchange Carrier are: 27 for pay telephones requiring central office supervision, 29 for prison/inmate pay telephones, and 70 for pay telephones not requiring central office supervision. These digits will be transmitted via Flexible Automatic Number Identification (Flex ANI) to Interexchange Carriers who have trunks equipped with the Flex ANI optional feature as described in Section 4. The Interexchange Carriers will use this information to compensate the PSPs for subscriber 800 series calls, dial-around access code calls (e.g., 101XXXX) and any other calls placed from pay telephones and deemed compensable by the FCC.

	Monthly <u>Rate</u> (19540)
GSEC	
Payphone-Specific Coding Digits Service Charge	\$0.00

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ACCESS SERVICE

8. Miscellaneous Services (Cont'd)8.16 Universal Service Fund Charge

The Federal Universal Service Charge (FUSC) recovers the Telephone Company's contribution to various federal universal service funds. The Telephone Company will apply the FUSC Surcharge Factor each month to the billed charges for interstate access services provided to end users from this Tariff.

The FUSC Surcharge Factor will not apply to any billed charges for an end user when the interstate access provided to the end user qualifies under the federal universal service guidelines for Lifeline Assistance. The FUSC Surcharge Factor will not apply to interstate access services purchased by customers that resell these services to end users as part of an interstate telecommunications service and are required to contribute to the various federal universal service funds. In case of a dispute regarding whether the customer is reselling services and contributing to the various federal universal service funds, the Telephone Company may request a signed certification to that effect from the customer.

FUSC Surcharge Factor

Percentage

8.9%

(I)

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ACCESS SERVICE9. Interface Groups, Transmission Specifications and Channel Codes9.1 Local Transport Interface Groups

Ten Interface Groups are provided for terminating the Local Transport at the customer's premises. Each Interface Group provides a specified premises interface code (e.g., two-wire, four-wire, DS1, etc.). At the option of the customer and where transmission facilities permit, the individual transmission path between the customer's premises and the first point of switching may be provided with optional features as set forth in 6.3.1 preceding.

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.

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ACCESS SERVICE9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)9.1 Local Transport Interface Groups (Cont'd)

Interface Group 1 is provided with Type C Transmission Specifications, and Interface Groups 2 through 10 are provided with Type A or B Transmission Specifications, depending on the Feature Group or Basic Serving Arrangement and whether the Access Service is routed directly or through an access tandem. All Interface Groups are provided with Data Transmission Parameters.

Only certain premises interfaces are available at the customer's premises. The premises interfaces codes associated with the Interface Groups may vary among Feature Groups and Basic Serving Arrangements. The various premises interfaces codes which are available with the Interface Groups or Basic Serving Arrangements, and the Feature Groups with which they may be used, are set forth in 9.1.11 following.

For each of the ten Interface Groups described following, 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 and equipment 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.

9.1.1 Interface Group 1 (USOC TPP1X)

Interface Group 1 provides a two-wire voice frequency transmission path at the point of termination at the customer's premises. Interface Group 1 is not provided in association with FGC, FGD, BSA-C and BSA-D when the first point of switching is an access tandem. In addition, Interface Group 1 is not provided in association with FGB, FGC, FGD, BSA-B, BSA-C or BSA-D when the first point of switching can only provide four-wire terminations.

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ACCESS SERVICE9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)9.1 Local Transport Interface Groups (Cont'd)9.1.1 Interface Group 1 (USOC TTP1X) (Cont'd)

The interface is provided with loop supervisory signaling. When the interface is associated with FGA or BSA-A, such signaling will be loop start or ground start signaling. When the interface is associated with FGB, FGC, FGD, BSA-B, BSA-C or BSA-D, such signaling will be reverse battery signaling. When FGB, FGC, FGD, BSA-B, BSA-C or BSA-D access service is associated with a two-way calling interface, E&M signaling shall be used.

9.1.2 Interface Group 2 (USOC TTP2X)

Interface Group 2 provides four-wire voice frequency transmission at the point of termination at the customer's premises. The interface is provided with loop supervisory signaling. When the interface is associated with FGA or BSA-A, such signaling will be loop start or ground start signaling. When the interface is associated with FGB, FGC, FGD, BSA-B, BSA-C or BSA-D such signaling, except for two-way calling which is E&M signaling, will be reverse battery signaling.

9.1.3 Interface Group 3 (USOC TPP3X)

Interface group 3 provides group level analog transmission at the point of termination at the customer's premises. The interface is capable of transmitting electrical signals between the frequencies of 60 to 180 kHz, with the capability to channelize up to 12 voice frequency transmission paths. Certain frequencies within the bandwidth of the Interface Group are reserved for Telephone Company use, e.g., pilot and carrier group alarm tones. Before the first point of switching, the Telephone Company will provide multiplex equipment to derive 12 transmission paths with a frequency bandwidth of approximately 300 to 3000 Hz.

The interface is provided with SF supervisory signaling for each individual transmission channel.

As of December 30, 1993, Interface Group 3 is available to existing customers only.

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ACCESS SERVICE9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)9.1 Local Transport Interface Groups (Cont'd)9.1.4 Interface Group 4 (USOC TPP4X)

Interface group 4 provides supergroup level analog transmission at the point of termination at the customer's premises. The interface is capable of transmitting electrical signals between the frequencies of 312 to 552 kHz, with the capability to channelize up to 60 voice frequency transmission paths. Certain frequencies within the bandwidth of the Interface Group are reserved for Telephone Company use, e.g., pilot and carrier group alarm tones. Before the first point of switching, the Telephone Company will provide multiplex and channel bank equipment to derive 60 transmission paths with a frequency bandwidth of approximately 300 to 3000 Hz.

The interface is provided with SF supervisory signaling for each individual transmission channel.

As of December 30, 1993, Interface Group 4 is available to existing customers only.

9.1.5 Interface Group 5 (USOC TPP5X)

Interface Group 5 provides mastergroup level analog transmission at the point of termination at the customer's premises. The interface is capable of transmitting electrical signals between the frequencies of 564 to 3084 kHz, with the capability to channelize up to 600 voice frequency transmission paths. Certain frequencies within the bandwidth of the Interface Group are reserved for Telephone Company use, e.g., pilot and carrier group alarm tones. Before the first point of switching, the Telephone Company will provide multiplex and channel bank equipment to derive 600 transmission paths with a frequency bandwidth of approximately 300 to 3000 Hz.

The interface is provided with SF supervisory signaling for each individual transmission channel.

As of December 30, 1993, Interface Group 5 is available to existing customers only.

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ACCESS SERVICE9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)9.1 Local Transport Interface Groups (Cont'd)9.1.6 Interface Group 6 (USOC TPP6X)

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 with a frequency bandwidth of approximately 300 to 3000 Hz. When digital switching or analog switching with digital carrier terminations is provided, the Telephone Company will provide, at the first point of switching, a DS1 signal in D3/D4 format.

The interface is provided with bit stream supervisory signaling for each individual transmission channel.

9.1.7 Interface Group 7 (USOC TPP7X)

Interface Group 7 provides DS1C level digital transmission at the point of termination at the customer's premises. The interface is capable of transmitting electrical signals at a nominal 3.152 Mbps, with the capability to channelize up to 48 voice frequency transmission paths. Before the first point of switching, when analog switching utilizing analog terminations is provided, the Telephone Company will provide multiplex and channel bank equipment to derive up to 48 voice frequency transmission paths with a frequency bandwidth of approximately 300 to 3000 Hz. When digital switching or analog switching with digital carrier terminations is provided, the Telephone Company will provide, at the first point of switching, DS1 signals in D3/D4 format.

The interface is provided with bit stream supervisory signaling for each individual transmission channel.

As of December 30, 1993, Interface Group 7 is available to existing customers only.

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ACCESS SERVICE9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)9.1. Local Transport Interface Groups (Cont'd)9.1.8 Interface Group 8 (USOC TPP8X)

Interface Group 8 provides DS2 level digital transmission at the point of termination at the customer's premises. The interface is capable of transmitting electrical signals at a nominal 6.312 Mbps, with the capability to channelize up to 96 voice frequency transmission paths. Before the first point of switching, when analog switching utilizing analog terminations is provided, the Telephone Company will provide multiplex and channel bank equipment in its office to derive up to 96 transmission paths with a frequency bandwidth of approximately 300 to 3000 Hz. When digital switching, or analog switching with digital carrier terminations is provided, the Telephone Company will provide, at the first point of switching, DS1 signals in D3/D4 format.

The interface is provided with bit stream supervisory signaling for each individual transmission channel.

Interface Group 8 is provided on an Individual Case Basis.

9.1.9 Interface Group 9 (USOC TPP9X)

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 with a frequency bandwidth of approximately 300 to 3000 Hz. When digital switching, or analog switching with digital carrier terminations is provided, the Telephone Company will provide, at the first point of switching, DS1 signals in D3/D4 format.

The interface is provided with bit stream supervisory signaling for each individual transmission channel.

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ACCESS SERVICE9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)9.1 Local Transport Interface Groups (Cont'd)9.1.10 Interface Group 10 (USOC TPPAX)

Interface Group 10 provides DS4 level digital transmission at the point of termination at the customer's premises. The interface is capable of transmitting electrical signals at a nominal 274.176 Mbps, with the capability to channelize up to 4032 voice frequency transmission paths. Before the first point of switching, when analog switching utilizing analog terminations is provided, the Telephone Company will provide multiplex and channel bank equipment to derive up to 4032 transmission paths with a frequency bandwidth of approximately 300 to 3000 Hz. When digital switching or analog switching with digital carrier terminations is provided, the Telephone Company will provide, at the first point of switching, DS1 signals in D3/D4 format.

The interface is provided with bit stream supervisory signaling for each individual transmission channel.

Interface Group 10 is provided on an Individual Case Basis.

9.1.11 Available Premises Interface Codes

Following is a matrix showing which premises interface codes are available for each Interface Group as a function of the Telephone Company switch supervisory signaling and Feature Group. For explanations of these codes, see the Glossary of Channel Interface Codes in 9.3.1 following.

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)9.1 Local Transport Interface Groups (Cont'd)9.1.11 Available Premises Interface Codes (Cont'd)

Interface Group	Telephone Company Switch Supervisory Signaling	Premises 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				
	LO, GO	4EA3-E	X				
	LO, GO	4EA3-M	X				
	LO, GO	6EB3-E	X				
	LO, GO	6EB3-M	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	
	RV	2RV3-O		X	X	X	
	RV	2RV3-T		X	X	X	
	2	LO, GO	4SF2	X			
		LO, GO	4SF3	X			
		LO	4LS2	X			
LO		4LS3	X				
LO		6LS2	X				
GO		4GS2	X				
GO		4GS3	X				
GO		6GS2	X				
LO, GO		4DX2	X				
LO, GO		4DX3	X				
LO, GO		6EA2-E	X				
LO, GO		6EA2-M	X				
LO, GO		8EB2-E	X				
LO, GO		8EB2-M	X				
LO, GO		6EX2-B	X				

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)9.1 Local Transport Interface Groups (Cont'd)9.1.11 Available Premises Interface Codes (Cont'd)

Interface Group	Telephone Company Switch Supervisory Signaling	Premises Interface Code	Feature Group			
			A	B	C	D
2(Cont'd)	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	X	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
	RV	4RV2-O	X	X	X	
	RV	4RV2-T	X	X	X	
	RV	4RV3-O	X	X		
	RV	4RV3-T	X	X		
	3	LO, GO	4AH5-B	X		
RV, EA, EB, EC		4AH5-B		X	X	X
4	LO, GO	4AH6-C	X			
	RV, EA, EB, EC	4AH6-C		X	X	X
5	LO, GO	4AH6-D	X			
	RV, EA, EB, EC	4AH6-D		X	X	X
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
7	LO, GO	4DS9-31	X			
	RV, EA, EB, EC	4DS9-32		X	X	X
	LO, GO	4DS9-31L	X			
	RV, EA, EB, EC	4DS9-31L		X	X	X

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)9.1 Local Transport Interface Groups (Cont'd)9.1.11 Available Premises Interface Codes (Cont'd)

Interface Group	Telephone Company Switch Supervisory Signaling	Premises Interface Code	Feature Group			
			A	B	C	D
8	LO, GO	4DSO-63	X			
	LO, GO	4DSO-63L	X			
	RV, EA, EB, EC	4DSO-63		X	X	X
	RV, EA, EB, EC	4DSO-63L		X	X	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
10	LO, GO	4DS6-27	X			
	LO, GO	4DS6-27L	X			
	RV, EA, EB, EC	4DS6-27		X	X	X
	RV, EA, EB, EC	4DS6-27L		X	X	X

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ACCESS SERVICE9. Interface Groups, Transmission Specifications, and Channel Codes (Cont'd)9.2 Transmission Specifications for Switched Access Service

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 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 TR-NPL-000334. This Technical Reference also provides the basis for determining Switched Access Service maintenance limits.

9.2.1 Standard Transmission Specifications

Following are descriptions of the three Standard Transmission Specifications available with Switched Access Services. The specific applications in terms of the Switched Access Arrangements and Interface Groups with which the Switched Access Arrangement Standard Transmission Specifications are provided are set forth in 6.2 preceding.

(A) Type A Transmission Specifications

Type A Transmission Specifications is provided with the following parameters:

(1) Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is ± 2.0 dB.

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ACCESS SERVICE9. Interface Groups, Transmission Specifications, and Channel Codes (Cont'd)9.2 Transmission Specifications for Switched Access Service (Cont'd)9.2.1 Standard Transmission Specifications (Cont'd)(A) Type A Transmission Specifications (Cont'd)(2) Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 2804 Hz frequency band relative to the loss 1004 Hz is -1.0 dB to +3.0 dB.

(3) C-Message Noise

The maximum C-Message Noise for the transmission path at the route miles listed is less than or equal to:

<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 DBMS holding tone, is less than or equal to 45 dBrnCO.

(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:

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ACCESS SERVICE9. Interface Groups, Transmission Specifications, and Channel Codes (Cont'd)9.2 Transmission Specifications for Switched Access Service (Cont'd)9.2.1 Standard Transmission Specifications (Cont'd)(A) Type A Transmission Specifications (Cont'd)(5) Echo Control (Cont'd)

	<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

(6) Standard Return Loss

Standard Return Loss expressed as Echo Return Loss and Singing Return Loss on two-wire ports of a four-wire point of termination shall be equal to or greater than:

Echo Return Loss Singing Return Loss

5 dB

2.5 dB

(B) Type B Transmission Specifications

Type B Transmission Specifications is provided with the following parameters:

(1) Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is \pm 2.5 dB.

(2) Attenuation Distortion

The maximum Attenuation Distortion is the 404 to 2804 Hz frequency band relative to loss at 1004 Hz is -2.0 dB to +4.0 dB.

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ACCESS SERVICE9. Interface Groups, Transmission Specifications, and Channel Codes (Cont'd)9.2 Transmission Specifications for Switched Access Service (Cont'd)9.2.1 Standard Transmission Specifications (Cont'd)(B) Type B Transmission Specifications (Cont'd)(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 5	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

(4) C-Notch Noise

The maximum C-Notch Noise, utilizing a -16 DBMS holding tone is less than or equal to 47 dBrnCO.

(5) Echo Control

Echo Control, identified as Impedance Balance for FGA, FGB, BSA-A and BSA-B and Equal Level Echo Path Loss for FGC, FGD, BSA-C and BSA-D 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 Switched Access Service, type of termination, and type of transmission path. They are greater than or equal to the following:

*

For FGC, FGD, BSA-C and BSA-D only Type B2 will be provided. For FGA, FGB, BSA-A and BSA-B, Type B1 or B2 will be provided as set forth in Technical Reference TR-NPL-000334.

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9. Interface Groups, Transmission Specifications, and Channel Codes (Cont'd)
- 9.2 Transmission Specifications for Switched Access Service (Cont'd)
- 9.2.1 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>
POT to Access Tandem		
- Terminated in		
4-Wire trunk	21 dB	14 dB
POT to End Office		
- Terminated in		
2-Wire trunk	16 dB	11 dB
POT to End Office		
- Direct	16 dB	11 dB
-Via Access Tandem		
▪ For FGB and BSA-B access	8 dB	4 dB
▪ For FGC and BSA-C access		
(Effective		
4-Wire trans-		
mission path		
at end office)	16 dB	11 dB
▪ For FGC and BSA-C access		
(Effective		
2-Wire trans-		
mission path		
at end office)	13 dB	6 dB

(6) Standard Return Loss

Standard Return Loss, expressed as Echo Return Loss and Singing return Loss, on two-wire ports of a four-wire point of termination shall be equal to or greater than:

Echo Return Loss Singing Return Loss

5 dB

2.5 dB

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ACCESS SERVICE9. Interface Groups, Transmission Specifications, and Channel Codes (Cont'd)9.2 Transmission Specifications for Switched Access Service (Cont'd)9.2.1 Standard Transmission Specifications (Cont'd)(C) Type C Transmission Specification

Type C Transmission Specifications is provided with the following parameters:

(1) Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is ± 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 B1</u>	<u>Type B2</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

(4) C-Notch Noise

The maximum C-Notch Noise, utilizing a -16 DBMS holding tone is less than or equal to 47 dBrnCO.

* For FGC, FGD, BSA-C and BSA-D only Type C2 will be provided. For FGA, FGB, BSA-A and BSA-B, Type C1 or C2 will be provided set forth in Technical Reference TR-NPL-000334.

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9. Interface Groups, Transmission Specifications, and Channel Codes (Cont'd)
- 9.2 Transmission Specifications for Switched Access Service (Cont'd)
- 9.2.1 Standard Transmission Specifications (Cont'd)
- (C) Type C Transmission Specifications (Cont'd)
- (5) Echo Control

Echo Control, identified as Return 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	13 dB	6 dB
POT to End Office		
- Direct	13 dB	6 dB
- Via Access Tandem (for FGB and BSA-B only)	8 dB	4 dB

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9. Interface Groups, Transmission Specifications, and Channel Codes (Cont'd)
- 9.2 Transmission Specifications for Switched Access Service (Cont'd)
- 9.2.2 Data Transmission Parameters

Two types of Data Transmission Parameters, i.e., Type DA and Type DB, are provided for the Switched Access Service arrangements. The specific applications in terms of the Feature Groups with which they are provided are set forth in 6.2 preceding. In addition, the Combined Access Service Arrangement is provided with Data Transmission Parameters. Following are descriptions of each parameter.

(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:

<u>604 to 2804 Hz</u>	
less than 30 route miles	500 microseconds
equal to or greater than 30 route miles	900 microseconds

<u>1004 to 2404 Hz</u>	
less than 50 route miles	200 microseconds
equal to or greater than 50 route miles	400 microseconds

(3) Impulse Noise Counts

The Impulse Noise Counts exceeding a 65 dB_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)	33 dB
Third Order (R3)	37 dB

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9. Interface Groups, Transmission Specifications, and Channel Codes (Cont'd)

9.2 Transmission Specifications for Switched Access Service (Cont'd)

9.2.2 Data Transmission Parameters (Cont'd)

(A) Data Transmission Parameters Type DA (Cont'd)

(5) Phase Jitter

The Phase Jitter over the 4-300 Hz frequency band is less than or equal to 5° peak-to-peak.

(6) Frequency Shift

The maximum Frequency Shift does not exceed -2 to +2 Hz.

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9. Interface Groups, Transmission Specifications, and Channel Codes (Cont'd)

9.2 Transmission Specifications for Switched Access Service (Cont'd)

9.2.2 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:

<u>604 to 2804 Hz</u>	
less than 50 route miles	800 microseconds
equal to or greater than 50 route miles	1000 microseconds

<u>1004 to 2404 Hz</u>	
less than 50 route miles	320 microseconds
equal to or greater than 50 route miles	500 microseconds

(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

(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.

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ACCESS SERVICE9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)9.3 Channel Interface and Network Channel Codes

This section explains the Channel Interface codes and Network Channel codes that the customer must specify when ordering Special Access Service. Included is an example which explains the specific characters of the code, a glossary of Channel Interface codes, impedance levels, Network Channel codes and compatible Channel Interfaces.

Example: If the customer specifies a NT Network Channel Code and a 2DS8-3 Channel Interface at the customer's premises, the following is being requested:

NT = Metallic Circuit with a Predefined Technical
Specification Package (1)
2 = Number of physical wires at customer premises
DS = Facility interface for direct current or voltage
8 = Variable impedance level
3 = Metallic facilities (DC continuity) for direct
current/low frequency control signals or slow speed
data (30 baud)

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)
- 9.3 Channel Interface and Network Channel Codes (Cont'd)
- 9.3.1 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 point of termination
-	10	VF for TG1 and TG2
-	43	VF for 43 Telegraph Carrier type signals, TG1 and TG2 DC -direct current or voltage
-	1	monitoring interface with series RC combination (McCulloh format)
-	2	Telephone Company energized alarm channel
-	3	Metallic facilities (DC continuity) for direct current/low frequency control signals or slow speed data (30 baud)
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 per PUB 41451 plus D4
-	15E	8-bit PCM encoded in one 64 kbps of the DS1 signal
-	15F	8-bit PCM encoded in two 64 kbps of the DS1 signal
-	15G	8-bit PCM encoded in three 64 kbps of the DS1 signal
-	15H	14/11-bit PCM encoded in six 64 kbps of the DS1 signal
-	15J	1.544 Mbps format per PUB 41451

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)
- 9.3 Channel Interface and Network Channel Codes (Cont'd)
- 9.3.1 Glossary of Channel Interface Codes and Options (Cont'd)

<u>Code</u>	<u>Option</u>	<u>Definition</u>
DS (Cont'd)		
-	15K	1.544 Mbps format per PUB 41451 plus extended framing format
-	15L	1.544 Mbps (DS1) with SF signaling
-	27	274.176 Mbps (DS4)
-	27L	274.176 Mbps (DS4) with SF signaling
-	31	3.152 Mbps (DS1C)
-	31L	3.152 Mbps (DS1C) with SF signaling
-	44	44.736 Mbps (DS3)
-	44L	44.736 Mbps (DS3) with SF signaling
-	63	6.312 Mbps (DS2)
-	63L	6.312 Mbps (DS2) with SF signaling
DU -		digital access interface
-	19	19.2 kbps
-	24	2.4 kbps
-	48	4.8 kbps
-	56	56.0 kbps
-	64	64 kbps
-	96	9.6 kbps
-	A	1.544 Mbps format per PUB 41451
-	B	1.544 Mbps format per PUB 41451 plus D4
-	C	1.544 Mbps format per PUB 41451 plus extended framing format
DX -		duplex signaling interface at customer's point of termination
DY -		duplex signaling interface at customer's end user's point of termination
EA -	E	type I E&M Lead Signaling. Customer at POT or customer's end user at POT originates on E Lead.
EA -	M	Type I E&M Lead Signaling. Customer at POT or customer's end user at POT originates on M Lead.
EB -	E	Type II E&M Lead Signaling. Customer at POT or customer's end user at POT originates on E Lead.
EB -	M	Type II E&M Lead Signaling. Customer at POT or customer's end user at POT originates on M Lead.

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)
- 9.3 Channel Interface and Network Channel Codes (Cont'd)
- 9.3.1 Glossary of Channel Interface Codes and Options (Cont'd)

<u>Code</u>	<u>Option</u>	<u>Definition</u>
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.
GO -		ground start loop signaling - open end function by customer or customer's end user.
GS -		ground start loop signaling - closed end function by customer or customer's end user
IA -		E.I.A. (25 pin RS-232)
LA -		end user loop start loop signaling - Type A OPS 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 OPS registered port open end
LO -		loop start loop signaling - open end function by customer or customer's end user
LR -		20 Hz automatic ringdown interface at customer with Telephone Company provided PLAR
LS -		loop start loop signaling - closed end function by customer or customer's end user
NO -		no signaling interface, transmission only
PG -		program transmission - no dc signaling
-	1	nominal frequency from 50 to 15000 Hz
-	3	nominal frequency from 200 to 3500 Hz
-	5	nominal frequency from 100 to 5000 Hz
-	8	nominal frequency from 50 to 8000 Hz

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)
- 9.3 Channel Interface and Network Channel Codes (Cont'd)
- 9.3.1 Glossary of Channel Interface Codes and Options (Cont'd)

<u>Code</u>	<u>Option</u>	<u>Definition</u>
PR		protective relaying*
RV -	O	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 -		telegraph/teletypewriter interface at either customer POT or customer's end user POT
	-2	20.0 milliamperes
	-3	3.0 milliamperes
	-6	62.5 milliamperes
TV -		television interface
	-1	combined (duplexed) video and one audio signal
	-2	combined (duplexed) video and two audio signals
	-5	video plus one (or two) audio 5 kHz signal(s) or one (or two) two wire

- * 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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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)
- 9.3 Channel Interface and Network Channel Codes (Cont'd)
- 9.3.1 Glossary of Channel Interface Codes and Options (Cont'd)

<u>Code</u>	<u>Option</u>	<u>Definition</u>
-	15	video plus one (or two) audio 15 kHz signal(s)
WA -		wideband bandwidth interface at customer's end user POT
-	1	limited bandwidth
-	2	nominal passband from 29000 to 44000 Hz
WB -		wideband data interface at customer POT
-	18S	18.75 kbps, synchronous
-	19A	up to 19.2 kbps asynchronous
-	19S	19.2 kbps synchronous
-	23A	up to 230.4 kbps, asynchronous
-	23S	230.4 kbps, synchronous
-	40S	40.8 kbps, synchronous
-	50A	up to 50.0 kbps, asynchronous
-	50S	50.0 kbps synchronous
WC -		wideband data interface at customer's end user POT
-	18	POT 18.75 kbps, synchronous
-	19	for 12-wire interface: 19.2 kbps, synchronous for 10-wire interface: up to 19.2 kbps, asynchronous
-	23	asynchronous up to 230.4 kbps, asynchronous
-	23S	230.4 kbps, synchronous
-	40	40.8 kbps, synchronous
-	50	for 12-wire interface: 50.0 kbps, synchronous for 10-wire interface: up to 50.0 kbps, asynchronous
WD -		wideband bandwidth interface at customer POT
-	1	nominal passband from 300 to 18000 Hz
-	2	nominal passband from 28000 to 44000 Hz
-	3	nominal passband from 29000 to 44000 Hz

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)
- 9.3 Channel Interface and Network Channel Codes (Cont'd)
- 9.3.2 Impedance

The nominal reference impedance with which the channel will be terminated for the purpose of evaluating transmission performance:

<u>Value (ohms)</u>	<u>Code(s)</u>
110	0
150	1
600	2
900	3+
135	5
75	6
124	7
Variable	8
100	9

- + For those interface codes with a 4-wire transmission path at the customer's POT, rather than a standard 900 ohm impedance the code (3) denotes a customer provided transmission equipment termination. Such terminations were provided to customers in accordance with the F.C.C. Docket No. 20099 Settlement Agreement.

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)
- 9.3 Channel Interface and Network Channel Codes (Cont'd)
- 9.3.3 Digital Hierarchy Channel Interface Codes (4DS)

Customers selecting the multiplexed four-wire DSX-1 or higher facility interface option at the customer designated premises will be requested to provide subsequent system and channel assignment data. The various digital bit rates in the digital hierarchy employ the channel interface code 4DS8, 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>
4DS8-15	1.544	DS1
4DS9-31	3.152	DS1C
4DS0-63	6.312	DS2
4DS6-44	44.736	DS3
4DS6-27	274.176	DS4

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)
- 9.3 Channel Interface and Network Channel Codes (Cont'd)
- 9.3.4 Service Designator/Network Channel Code Conversion Table

The purpose of this table is to show the relationship between the service designator codes (e.g. VGC, MT2, etc.) and the network channel codes that are used for various administrative purposes.

<u>Service Designator Code</u>	<u>Network Channel Code</u>
MTC	MQ
MT1	NT
MT2	NU
MT3	NV
TGC	NQ
TG1	NW
TG2	NY
VGC	LQ
VG1	LB
VG2	LC
VG3	LD
VG4	LE
VG5	LF
VG6	LG
VG7	LH
VG8	LJ
VG9	LK
VG10	LN
VG11	LP
VG12	LR
APC	PQ
AP1	PE
AP2	PF
AP3	PJ
AP4	PK
TVC	TQ
TV1	TV
TV2	TW

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)
- 9.3 Channel Interface and Network Channel Codes (Cont'd)
- 9.3.4 Service Designator/Network Channel Code Conversion Table (Cont'd)

<u>Service Designator Code</u>	<u>Network Channel Code</u>
WA1	WJ
WA1T	WQ
WA2	WL
WA2A	WR
WA3	WN
WA4	WP
WD1	WB
WD2	WE
WD3	WF
DA1	XA
DA2	XB
DA3	XG
DA4	XH
HCO	HS
HC1	HC
HC1C	HD
HC2	HE
HC3	HF
HC4	HG

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)
- 9.3 Channel Interface and Network Channel Codes (Cont'd)
- 9.3.5 Compatible Channel Interfaces

The following tables show the channel interface codes (CIs) which are compatible:

(A) Metallic

<u>Compatible CIs</u>		<u>Compatible CIs</u>	
4AH5-B	2DC8-1	4AH6-D	2DC8-2
4AH5-B	24C8-2	2DC8-1	2DC8-2
4AH6-C	2DC8-1	2DC8-3	2DC8-3
4AH6-C	2DC8-2	4DS9*	2DC8-1
4AH6-D	2DC8-1	4DS9*	2DC8-2

(B) Telegraph Grade

<u>Compatible CIs</u>		<u>Compatible CIs</u>		<u>Compatible CIs</u>	
4AH5-B	10IA8	4AH6-D	4TT2-6	4DB2-43+	4TT2-2
4AH5-B	2TT2-2	2DB2-10	10IA8	4DS9*	10IA8
4AH5-B	4TT2-2	2DB2-10	2TT2-2	4DS9*	2TT2-2
4AH5-B	2TT2-6	2DB2-10	4TT2-2	4DS9*	4TT2-2
4AH5-B	4TT2-6	2DB2-43+	10IA8	4DS9*	2TT2-6
4AH6-C	10IA8	2DB2-43+	2TT2-2	4DS9*	4TT2-6
4AH6-C	2TT2-2	2DB2-43+	2TT2-6	2TT2-2	2TT2-2
4AH6-C	4TT2-2	2DB2-43+	4TT2-2	2TT2-3	2TT2-2
4AH6-C	2TT2-6	4DB2-10	10IA8	2TT2-3	4TT2-2
4AH6-C	4TT2-6	4DB2-10	2TT2-2	2TT2-6	2TT2-6
4AH6-D	10IA8	4DB2-10	4TT2-2	2TT2-6	4TT2-2
4AH6-D	2TT2-2	4DB2-43+	10IA8	4TT2-2	4TT2-2
4AH6-D	4TT2-2	4DB2-43+	2TT2-6	4TT2-6	2TT2-6
4AH6-D	2TT2-6				

* See 7.5.3 preceding for explanation.

+ Supplemental Channel Assignment information required.

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)9.3 Channel Interface and Network Channel Codes (Cont'd)9.3.5 Compatible Channel Interfaces (Cont'd)(C) 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	4AHG-C	9DY3
4AB3	2AC2			4AH6-C	6DY2
2AB2	2AC2	4AH6-D	4DE2	4AH6-C	6DY3
2AB3	2AC2	4AH6-C	4DE2	4AH6-C	4DY2
		4AH5-B	4DE2	4AH6-C	2DY2
4AB2	4SF2	4AH6-D	2DE2	4AH5-B	9DY2
4AB3	4SF2	4AH6-C	2DE2	4AH5-B	9DY3
		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-D	4EA2-E
4AH6-C	2CT3			4AH6-D	4EA2-M
4AH5-B	2CT3			4AH6-C	9EA2
4AH6-D	6DA2			4AJ7-C	9EA3
4AH6-D	4DA2	4AH6-D	9DY2	4AH6-C	6EA2-E
4AH6-D	2DA2	4AH6-D	9DY3		
4AH6-C	6DA2	4AH6-D	6DY2		
4AH6-C	4DA2	4AH6-D	6DY3		
4AH6-C	2DA2	4AH6-D	4DY2		

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<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-B	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	4AHG-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				
4AH6-C	2GO2				
4AH6-C	2GO2			4AH5-B	2LS3
4AH5-B	2GO2	4AH6-D	2LO3		
4AH5-B	2GO3				

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)9.3 Channel Interface and Network Channel Codes (Cont'd)9.3.5 Compatible Channel Interfaces (Cont'd)(C) Voice Grade (Cont'd)

<u>Compatible CIs</u>		<u>Compatible CIs</u>		<u>Compatible CIs</u>	
4AH6-D	4NO2	4AH6-D	4TF2	2CT3	8EB2-E
4AH6-D	2NO2	4AJ7-D	2TF2	2CT3	8EB2-M
4AH6-C	4NO2	4AH6-C	4TF2		
4AH6-C	2NO2	4AH6-C	2TF2	2CT3	6482-E
4AH5-B	4NO2	4AH5-B	4TF2	2CT3	6EB2-M
4AH5-B	2NO2	4AH5-B	2TF2		
				2CT3	6EB3-E
				4DS9-*	
				2CT3	8EC2
		2CT3	6DX2		
		2CT3	4DX2	2CT3	4SF2
		2CTS	4DX3	2CT3	4SF3
4AH6-D	4PR2	2CT3	9DY3	6DA2	6DA2
4AH6-D	2PR2	2CT3	6DY3	6DA2	4DA2
4AH6-C	4PR2	2CT3	9DT2	4DA2	4DA2
4AH6-C	2PR2	2CT3	6DY2		
4AH5-B	4PR2	2CT3	4DY3	4DB2	6DA2
4AH5-B	2PR2	2CT3	2DY2	4DB2	4DA2
				4DB2	2DA2
4AH6-D	4RV2-T	2CT3	9EA3	2DB3	2DA2
4AH6-D	2RV2-T	2CT3	9EA2	2DB2	2DA2
4AH6-C	4RV2-T	2CT3	6EA2-E	4DB2	4DB2
4AH6-C	2RV2-T	2CT3	6EA2-M	4DB2	4NO2
4AH5-B	4TV2-T	2CT3	4EA2-E	4DB2	2NO2
4AH5-B	2RV2-T	2CT3	4EA2-M	2DB2	2NO2
4AH6-D	4SF2			4DB2	4PR2
4AH6-C	4SF2			4DB2	2PR2
4AH5-B	4SF2			2DB2	2PR2
4AH6-D	4SF3				
4AH6-C	4SF3				
4AH5-B	4SF3				

* See 9.3.3 preceding for explanation.

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<u>Compatible CIs</u>	<u>Compatible CIs</u>
4DD3 4DE2	4DS8-* 9DY3
4DD3 2DE2	4DS8-* 9DY2
	4DS8-* 6DY3
4DS8-* 4AC2	4DS8-* 6DY2
4DS8-* 2AC2	4DS8-* 4DY2
	4DS8-* 2DY2
4DS8-* 6DA2	
4DS8-* 4DA2	
4DS8-* 2DA2	4DS8-* 9EA2
	4DS8-* 9EA3
4DS8-* 4DE2	4DS8-* 6EA2-E
4DS8-* EDE2	4DS8-* 6EA2-M
	4DS8-* 4EA2-E
4DS8-* 4DX3	4DS8-* 4EA2-E
4DS8-* 4DX2	

* See 9.3.3 preceding for explanation.

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)9.3 Channel Interface and Network Channel Codes (Cont'd)9.3.5 Compatible Channel Interfaces (Cont'd)(C) Voice Grade (Cont'd)

<u>Compatible CIs</u>		<u>Compatible CIs</u>		<u>Compatible CIs</u>	
4DS8-*	8EB2-E	4DS8-*	4NO2	4DX3	9DY2
4DS8-*	8EB2-M	4DS8-*	2NO2	4DX2	6DY3
4DS8-*	6EB2-E			4DX3	6DY3
4DS8-*	6EB2-M	4DS8-*	4PR2	4DX2	6DY2
		4DS8-*	2PR2	4DX3	6DY2
4DS8-*	2GO2			4DX2	4DY2
4DS8-*	2GO3	4DS8-*	4RV2-T	4DX3	4DY2
4DS8-*	6GS2	4DS8-*	2RV2-T	4DX2	2DY2
4DS8-*	4GS2			4DX3	2DY2
4DS8-*	2GS2	4DS8-*	4SF2		
4DS8-*	2GS3	4DS8-*	4SF3	6DX2	9EA3
				6DX2	9EA2
4DS8-*	2LA2	4DS8-*	4TF2	6DX2	6EA2-E
		4DS8-*	2TF2	6DX2	6EA2-M
4DS8-*	2LB2			6DX2	4EA2-E
		4DX2	4DX2	6DX2	4EA2-M
8DS8-*	2LC2	4DX3	4DX2	4DX2	9EA2
		4DX3	4DX3	4DX3	9EA2
4DS8-*	2LO2			4DX2	9EA3
4DS8-*	2LO3	6DX2	9DY3	4DX3	9EA3
		6DX2	9DY2	4DX2	6EA2-E
4DS8-*	4LR2	6DX2	6DY3	4DX3	6EA2-E
4DS8-*	2LR2	6DX2	6DY2	4DX2	6EA2-M
		6DX2	4DY2	4DX3	6EA2-M
4DS8-*	6LS2	6DX2	2DY2	4DX2	4EA2-E
4DS8-*	4LS2	4DX2	9DY3	4DX3	4EA2-E
4DS8-*	2LS2	4DX3	9DY3	4DX2	4EA2-M
4DS8-*	2LS3	4DX2	9DY2	4DX3	4EA2-M

* See 9.3.3 preceding for explanation.

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)9.3 Channel Interface and Network Channel Codes (Cont'd)9.3.5 Compatible Channel Interfaces (Cont'd)(C) 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	6E82-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		
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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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)9.3 Channel Interface and Network Channel Codes (Cont'd)9.3.5 Compatible Channel Interfaces (Cont'd)(C) 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	8EB2-E
6EA2-E	4DY2	9EA2	6EA2-M	9EA3	8E82-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	8E82-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	8EB2-E
4EA3-E	4DY2	6EA2-M	4EA2-M	4EA3-E	8E82-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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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)9.3 Channel Interface and Network Channel Codes (Cont'd)9.3.5 Compatible Channel Interfaces (Cont'd)(C) Voice Grade (Cont'd)

<u>Compatible CIs</u>		<u>Compatible CIs</u>		<u>Compatible CIs</u>	
4EA2-M	8EB2-M	9EA3	43F2	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

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)9.3 Channel Interface and Network Channel Codes (Cont'd)9.3.5 Compatible Channel Interfaces (Cont'd)(C) 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
		84C2	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		

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<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
6GO2	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	4LR2	4LR1	6LS2	2LO3
4GO3	4SF2	4LR3	2LR2	6LS2	2LO2
		4LR2	4LR2	4LS2	2LO2
6GS2	2GO2	4LR2	2LR2	4LS2	2LO3
4GS2	2GO2	2LR2	2LR2	4LS3	2LO2
4GS3	2GO2	2LR3	2LR2	4LS3	2LO3
4GS2	2GO3				

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)9.3 Channel Interface and Network Channel Codes (Cont'd)9.3.5 Compatible Channel Interfaces (Cont'd)(C) 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	6DY3	4SF3	2LB2
4NO2	4DA2	4SF2	6DY3		
4NO2	2DA2	4SF3	6DY2	4SF2	2LC2
2NO2	2DA2	4SF2	4DY2	4SF3	2LC2
		4SF3	4DY2		
4NO2	4DE2	4SF3	2DY2	4SF2	2LO3
4NO2	2DE2	4SF2	2DY2	4SF3	2LO3
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	4SF3	2GO3	4SF2	2LS2
4RV2-0	2RV2-T	4SF3	6GS2	4SF2	2LS3
4RV2-0	2RV2-T	4SF2	6GS2	4SF3	2LS2
		4SF2	6GS2	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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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

9.3 Channel Interface and Network Channel Codes (Cont'd)

9.3.5 Compatible Channel Interfaces (Cont'd)

(C) Voice Grade (Cont'd)

Compatible CIs

4SF3 4SF2
4SF2 4SF2

4TF2 4TF2
4TF2 2TF2
2TF3 2TF2

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ACCESS SERVICE9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)9.3 Channel Interface and Network Channel Codes (Cont'd)9.3.5 Compatible Channel Interfaces (Cont'd)(D) Program Audio

<u>Compatible CIs</u>		<u>Compatible CIs</u>		<u>Compatible CIs</u>	
4AH5-B	2PG1-3	4AH6-D	2PG1-3	4DS8-I5F	2PG2-5
4AH5-B	2PG1-5	4AH6-D	2PG1-5	4DS8-I5G	2PG2-8
4AH5-B	2PG1-8	4AH6-D	2PG1-8	4DS8-15H	2PG2-1
4AH5-B	2PG2-3	4AH6-D	2PG2-3	2PG2-1	2PG1-1
4AH5-B	2PG2-5	4AH6-D	2PG2-5	2PG2-1	2PG2-1
4AH5-B	2PG2-8	4AH6-D	2PG2-8	2PG2-3	2PG1-3
4AH6-C	2PG1-3	4DS8-15E	2PG1-3	2PG2-3	2PG2-3
4AH6-C	2PG1-5	4DS8-15F	2PG1-5	2PG2-5	2PG1-5
4AH6-C	2PG1-8	4DS8-15G	2PG1-8	2PG2-5	2PG2-5
4AH6-C	2PG2-3	4DS8-15H	2PG1-1	2PG2-8	2PG1-8
8AH6-C	2PG2-5	4DS8-15E	2PG2-3	2PG2-8	2PG2-8

(E) Video

<u>Compatible CIs</u>		<u>Compatible CIs</u>	
2TV6-1	4TV6-15	4TV7-5	4TV6-5
	4TV7-15		4TV7-5
2TV6-2	6TV6-15	4TV7-15	4TV6-15
	6TV7-15		4TV7-15
2TV7-1	4TV6-15	6TV6-5	6TV6-5
	4TV7-15		6TV7-5
2TV7-2	6TV6-15	6TV6-15	6TV6-15
	6TV7-15		6TV7-15
4TV6-5	4TV6-5	6TV7-5	6TV6-5
		4TV7-5	6TV7-5
4TV6-15	4TV6-15	6TV7-15	6TV6-15
	4TV7-15		6TV7-15

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ACCESS SERVICE9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)9.3 Channel Interface and Network Channel Codes (Cont'd)9.3.5 Compatible Channel Interfaces (Cont'd)(F) Wideband Analog

<u>Compatible CIs</u>		<u>Compatible CIs</u>		<u>Compatible CIs</u>	
4AH5-B	4AH5-B			4WD5-1	4WA5-1
4AH6-C	4AH5-B			4WD5-2	4WA5-1
4AH6-C	4AH6-C	4AH6-D	4AH6-D	4WD5-3	4WA5-2
	4AH6-D	4AH5-B	4AH5-B	4DS8-15	
	4AH6-D	4AH6-C	4AH5-B	4DU8-A,B, or C	
	4AH6-C	4DU8-A,B, or C			
		4AH6-D	4DU8-A,B, or C		

(G) Wideband Data

<u>Compatible CIs</u>		<u>Compatible CIs</u>		<u>Compatible CIs</u>	
8WB5-18S		12WC6-18	8WB5-23A	10WC6-23	8WB5-50A
	10WC6-50				
8WB5-19A		10WC6-19	8WB5-23S	12W6-23S	8WB5-50S
	12WB6-50				
8WB5-19S		12WC6-19	8WB5-40S	12W6-40	

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ACCESS SERVICE9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)9.3 Channel Interface and Network Channel Codes (Cont'd)9.3.5 Compatible Channel Interfaces (Cont'd)(H) Digital Data

(1) Digital Data

<u>Compatible CIs</u>		<u>Compatible CIs</u>		<u>Compatible CIs</u>	
			4DS8-15	6DU5-48	
4DS8-15	4DU8-15+	4DS8-15	6DU5-56	4DU5-96	4DU5-96
4DS8-15	4DU8-24	4DS8-15	6DU5-96	6DU5-24	6DU5-24
4DS8-15	4DU8-48	4DU5-24	4DU5-24	6DU5-48	6DU5-48
4DS8-15	4DU8-56	4DU5-48	4DU5-48	6DU5-56	6DU5-56
4DS8-15	6DU5-96	4DU8-56	4DU5-56	6DU5-96	6DU5-96
4DS8-15	6DU5-24	4DS9-15	4DU5-19	4DS6-44A	4DU5-19
4DS9-15B		4DU5-64	4DS6-44A	4DU5-64	

+ Available only as a cross connect of two digital circuits at appropriate digital speeds at a Telephone Company hub.

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ACCESS SERVICE9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)9.3 Channel Interface and Network Channel Codes (Cont'd)9.3.5 Compatible Channel Interfaces (Cont'd)(I) High Capacity

<u>Compatible CIs</u>		<u>Compatible CIs</u>			
4DSO-63	4DSO-63		4DS8-15	4DU8-8	
4DSO-63	6DU8-A,B or C	4DS8-15J	4DS8-15J	6DU8-A	
4DSO-63	4DU8-A,B or C	4DS8-15K	4DU8-A		
4DS6-27	4DS6-27		6DU8-B		
4DS6-27	6DU8-A,B or C	4DS8-15K	4DS8-15K	4DU8-B	
4DS6-27	4DU8-A,B or C	4DS8-15K	6DU8-C		
4DS6-44	4DS6-44		4D78-C		
4DS6-44	6DU8-A,B or C	4DS9-31	4DS9-31	4DS9-31	
4DS6-44	4DU8-A,B or C	4DS9-4DU8-A,B or C	6DU8-A,B or C		
4DS8-15	4DS8-15+		4DU9-A,B or C	4DU8-A,B or C	
4DS8-15	6DU8-B		4DS9-15	4DU5-19	
4DS6-44A			4DU5-19	4DS9-15B	4DU5-64
4DS6-44A	4DU5-64				

+ Available only as a cross connect of two individual circuits of 1.544 Mbps facilities at a Telephone Company hub.

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ACCESS SERVICE10. 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. The restoration of services provided in accordance with the Federal Government's Telecommunications Service Priority (TSP) System will be implemented in accordance with the regulations set forth in Section 8.8.

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.

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ACCESS SERVICE10. Special Federal Government Access Services (Cont'd)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").
- 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.

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ACCESS SERVICE10. Special Federal Government Access Services (Cont'd)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 5.1.7 preceding.

10.4 Safeguarding of Service10.4.1 Facility Availability

In order to insure communications during periods of emergency, the Telephone Company will, within the limits of good management, make available the necessary facilities to restore service in the event of damage or to provide temporary emergency service as set forth in 8.8 preceding.

In order to meet the requirements of agencies or branches of the Federal Government, the Telephone Company may utilize government-owned facilities, when necessary to provide service.

10.5 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.

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ACCESS SERVICE10. Special Federal Government Access Services (Cont'd)10.6 Service Offerings to the Federal Government

The following unique 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.

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 an IC premises 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)

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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)

(1) Voice Grade Secure Communications Type I (Cont'd)

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.

(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 communications between an IC 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 communications between an IC premises 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.

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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 IC 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.

(B) Wideband Digital Special Access Service

Service arrangements for secured communications to accommodate the transmission of binary digital baseband signals in a random polar format.

(1) Wideband Secure Communications Type I

For transmission at the rate of 18,750 bits per second.

(2) Wideband Secure Communications Type II

For transmission at the rate of 50,000 bits per second.

(3) Wideband Secure Communications Type III

To accommodate the transmission of restored polar two-level facsimile signals with a minimum signal element width of twenty microseconds at a rate of 50,000 bits per second.

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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)

(B) Wideband Digital Special Access Services (Cont'd)

To accommodate the transmission of binary digital baseband signals in a random polar format at the rate of 50,000 bits per second.

(C) Special Routing Access Service

Special Routing Access Service is furnished only to AT&T Communications (AT&T-C) for an agency or branch of the Federal Government. This service provides the customer's end users the ability to originate and terminate calls to or from the customer's premises utilizing a Special Routing Plan.

This service is an optional service which operates in conjunction with Trunk Side Premium Access Service furnished to AT&T-C under other provisions of this tariff.

(D) High Capacity DS1 Service

For Special Federal Government access arrangements, High Capacity DS1 SALs will be rated as set forth in Section 7 but will be offered with clear channel capability as a nonchargeable option. Clear channel capability is described in 7.11.4(D).

(E) Federal Payment Plan (FPP) - DS1

(1) Description

The Federal Payment Plan (FPP) - DS1 will be provided to any customer awarded a contract, with a minimum three year period, to provide telecommunications service(s) for the exclusive use of the Federal Government and its authorized agents. The FPP will allow each of the Federal Government's authorized customers providing network services under contract to obtain DS1 Circuit Terminations at rates contained in this section. In addition to the specific terms and conditions of this plan, all other regulations in Section 5 pertaining to DS1 services are applicable. All other associated rate elements or additional features are available at the tariffed rates and regulations. Special construction charges may apply.

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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)

(E) Federal Payment Plan (FPP) - DS1 (Cont'd)

(2) FPP Enrollment

At enrollment, the customer will provide in writing, a description of the Federal Government contract, a forecast of services desired, and a term ending date which may be three years, five years, or six years not to exceed 15 years. If the option of six to fifteen years is chosen, the ending date must be the same as the government contract ending date.

(3) Adding Services to the Plan

The customer may add DS1 services to the plan at any time during the term of the FPP. The services added will have the same term ending date.

(4) Rebid Provision

If as a result of a Federal Government contract rebid provision any DS1 services under an FPP are discontinued by the customer as a direct result of the rebid process, termination liabilities will not apply.

(5) Mandated Site Closing

If, as a result of a Federal Government mandated site closing, any DS1 services under the FPP are discontinued, termination liabilities will not apply.

(6) Customer Premises Change

In the case where the government agency(s) at a current customer premises chooses or is ordered to move to a new customer premises, and the new customer premises requires the same or more DS1 services, no termination liabilities will apply.

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ACCESS SERVICE10. 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)(E) Federal Payment Plan (FPP) - DS1 (Cont'd)(7) Change in Term

Should the Federal Government extend their contract and the customer wants to extend the FPP to match the new contract, the customer shall provide written notice to the Telephone Company. The Telephone Company will extend the ending date to match the new contract date. If the term ends and the customer does not provide us with a new ending date within 90 days, the rates will be converted to the standard month-to-month rates. The same term originally established will be used when applying rates unless the customer qualifies for longer term rates based on the remaining life of the term.

(8) Multiple Contracts

Each customer that has contracts with the Federal Government may have multiple contracts and a different ending date for each Federal Government contract.

(9) Upgrade to Higher Speed Service

The customer may choose to upgrade service to a higher speed during the FPP period. The upgraded service will be subject to all appropriate NRCs. If the term selected for the higher speed service extends for a longer period than the remaining time of the FPP or seven years if there is more than seven years remaining on the FPP, no termination liabilities will apply.

(10) Termination Liabilities

When an FPP service is discontinued prior to the end of the period, termination liability charges will apply based on the remainder of FPP period and the date of the disconnect. The termination liability rates shall be as follows:

<u>Year in Which Service is Discontinued</u>	<u>Liability Rate</u>
1 - 3	20%
4 - 15	10%

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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)

(E) Federal Payment Plan (FPP) - DS1 (Cont'd)

(11) NRCs

There will be no nonrecurring charges for FPP Services.

(12) Rate Changes

The rate for the 6 to 15 year FPP DS1 will be less than the 5 year FPP DS1 monthly rate. The monthly rate for the 5 year FPP DS1 will be less than the 3 year FPP DS1 rate.

(F) Government Emergency Telecommunications Service (GETS)

The Government Emergency Telecommunications Service (GETS) provides authorized federal government end users with a nationwide security and emergency preparedness (NS/EP) switched voice and data communications service utilizing the public switched network, through the activation of a special code(s) in the Telephone Company's end office and tandem switching systems, as requested by the Federal Government or its authorized agent.

(1) The implementation fee is set forth under 10.6.3(F).

(2) High Probability of Completion (HPC) is a set of enhanced features, available for GETS in suitably equipped offices, which improves the probability of the completion of GETS traffic via the Public Switched Telephone Network (PSTN) during times of national emergencies or disaster, when the PSTN is congested due to heavy traffic or damage to the network. HPC provides the capability to set a special indicator, based on a specific 3, 6, or 10 digit dialed number string, specified by the government, that is carried through the network via SS7 signaling and will indicate that the call is a GETS call. Typically, the digit string of 710 will be used to set the HPC indicator. This capability is not offered on toll free numbers such as 800 or 888 numbers.

The HPC feature set also provides the capability to queue calls marked with the HPC indicator on outgoing trunk groups and to exempt them from certain restrictive Network Management Controls. The ability to provide traffic data on both a trunk group level and a central office level is also included.

Rates for HPC are set forth under 10.6.3(F)(2).

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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)
- (G) Banded Optical Transport

Banded Optical Transport provides transport between the serving wire center of the interexchange access customer's location and the access customer's end user premises. Banded Optical Transport may be provided at DS0, DS1, DS3, OC3, STS1 or OC12 bandwidth levels as required by the customer. Wholly provided Banded Optical Transport may also be provided at OC3c or OC12c bandwidth levels. When Banded Optical Transport is ordered at a DS0 level, the customer must request a minimum of a DS1 interface at the IC customer wire center and will be charged the appropriate rider (i.e., DS1 or DS3). Banded Optical Transport is provided with a service guarantee as shown in 2.4.4(A). For subscription to Banded Optical Transport, the customer must have an accumulative demand requirement equivalent to an average of nine DS3s, i.e., 5,978 channels, per LATA. The bandwidth will be reviewed annually at a mutually agreed upon date by the customer and the Company. An allowance of minus 2% will be considered as having met the commitment level. Should the bandwidth fall below minus 2%, the customer will have thirty (30) days to meet the bandwidth requirement. If not met, the customer will be notified by the Telephone Company and will be required to convert from Banded Optical Transport to another Optical Networking Transport option as shown in Section 20.

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ACCESS SERVICE10. 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)(G) Banded Optical Transport (Cont'd)

Banded Optical Transport is not available in Alabama or Missouri. The contract period for Banded Optical Transport cannot exceed the contract period of the Connect. Banded Optical Transport includes the special access line from the end user serving wire center to the end user premises, for both on-net and off-net. Banded Optical Transport will be provisioned at the highest network facility available at the time of the order. The monthly rate will be determined based on the mileage between the serving wire centers of the customer designated locations and is applicable on a per circuit basis. Mileage will be rounded up to the next whole mile except when the CDLs are collocated.

Rate regulations for Banded Optical Transport are as shown in 20(C)(2)(f).

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ACCESS SERVICE10. 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 F.C.C. No. 4 and administered as set forth in 7.2.1 (B) 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. Separate narrowband or voice grade services, where required by the customer provided equipment or switching operation, are furnished in accordance with the applicable sections of this tariff.

<u>Voice Grade Secure Communications</u>	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	<u>Termination Charges</u>
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Type I, each T-3 Conditioning,	GCA++	ICB rates and charges apply		
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Additional Conditioning, per service termination	GTO++	ICB rates and charges apply		
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Type II, each G-1 Conditioning,	GCB++	ICB rates and charges apply		
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Type III, each G-2 Conditioning,	GCC++	ICB rates and charges apply		
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Additional Conditioning, per service termination	G20++	ICB rates and charges apply		
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<u>Voice Grade Secure Communications</u>	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	<u>Termination Charges</u>
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Type VI, each G-3 Conditioning,	GCD++	ICB rates and charges apply		
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Additional Conditioning, per service termination	G3O++	ICB rates and charges apply		
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ACCESS SERVICE10. 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) Wideband Digital Special Access Service

<u>Wideband Secure Communications</u>	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	<u>Termination Charges</u>
Type I, each	GW1++	ICB rates and charges apply		
Type II, each	GW2++	ICB rates and charges apply		
Type III, each	GW3++	ICB rates and charges apply		

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ACCESS SERVICE10. 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)(C) Federal Payment Plan (FPP) - DS1

- Per Point of Termination

<u>Jurisdiction</u> (USOC)	Three Year Monthly <u>Rate</u> (EU4DX) (1CKDX)	Five Year Monthly <u>Rate</u> (EU4DX) (1CKDX)	Six to Fifteen Year Monthly <u>Rate</u> (EU4DX) (1CKDX)
Alabama	\$175.00	\$170.00	\$152.00
Missouri	165.63 (I)	160.87 (I)	156.18 (I)

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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)

(D) Move Charges

- (1) When service without a termination charge associated with it, as set forth in (A) and (B) 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 termination charge associated with it, as set forth in (A) and (B) preceding, is moved and is reinstalled at a new location, the customer may elect:
 - to pay the unexpired portion of the termination charge for the service, if any, with the application of nonrecurring charge and the establishment of a new termination charge for such service at the new location, or
 - to continue service subject to the unexpired portion of the termination charge, if any, and pay the estimated costs of moving such service, provided that the customer requests these charges be quoted prior to ordering the service move. Charges for moving such service will be based on estimated costs attributable to the move.

Move charges include the estimated costs of removal, 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.

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ACCESS SERVICE10. 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)(E) Special Routing Access Services

The following rates and charges are in addition to all other rates and charges that may be applicable for other services that may be furnished under the provisions of this tariff to operate in conjunction with this service:

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>
(1) Special Routing Access Service Special Routing Plan Setup, per Switching System	GCD++	-	\$ 200.00
Special Routing Access Service Trunk Group Setup, per End Office or Tandem Office, Switching System per occurrence	GID	-	1000.00
Special Routing Access Service Mode Selection (Active or Deactive), per Switching System per occurrence	GIE	-	200.00
Special Routing Access Service Maintenance and Administration, per Switching System per month*	GIM	-	150.00

This rate applies only to Switching Systems with this feature.

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ACCESS SERVICE10. 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)

Government Emergency Telecommunications Service (GETS), as described under 10.6.1(F), requires the activation of a special code(s) in the Telephone Company's end office and tandem office switching systems.

Implementation Charge	<u>NRC</u>	
Code Activation and Routing Plan Setup in CenturyTel Switching Offices (ID# TX94021)	\$13,751	
	<u>NRC</u>	<u>MRC</u>
	Per End	Per End
	<u>Office</u>	<u>Office</u>
High Probability of Completion (HPC)	\$600.00	\$35.00

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