

10. DATAPHONE DIGITAL SERVICES *

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10.1 GENERAL

A DATAPHONE Digital Service is suitable for the simultaneous two-way transmission of data at synchronous speeds of 9.6 kbps and 56.0 kbps. **Service Commission**

10.1.1 DESCRIPTION

DATAPHONE Digital Services are configured by combining components to connect two or more AT&T Central Offices. AT&T Central Offices may be within the same LATA or may be located in different LATAs. DATAPHONE Digital Services may be two-point or multipoint.

10.1.2 REGULATIONS

In addition to the regulations in Section 2 preceding, the following apply.

A. AVAILABILITY OF A DATAPHONE DIGITAL SERVICE

DATAPHONE Digital Services are available from the AT&T Central Offices listed in AT&T Tariff F.C.C. No. 10. DATAPHONE Digital Services may not be available in every LATA or to all rate center areas within a LATA.

B. CREDIT ALLOWANCES FOR INTERRUPTIONS

For purposes of determining credit allowances, in accordance with the regulations in Section 2.7 preceding, a DATAPHONE Digital Service is considered to be inoperative when:

- There has been a loss of continuity, or
- The error performance is below the design objective 99.5% error-free-seconds, measured over a continuous 24-hour period.

* AT&T DATAPHONE Digital Services may no longer be ordered for new Customers or for additional orders received from existing Customers after March 9, 2001. AT&T DATAPHONE Digital Services in place or on order before March 9, 2001 will remain in effect until discontinued or canceled by the Customer. Customers who have the Multi Service Volume Pricing Plan (MSVPP) in place or on order before March 9, 2001 may continue to order DATAPHONE Digital Services until the expiration or discontinuance of MSVPP.

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10. DATAPHONE DIGITAL SERVICES *

10.1 GENERAL

A DATAPHONE Digital Service is suitable for the simultaneous two-way transmission of data at synchronous speeds of 9.6 kbps and 56.0 kbps.

10.1.1 DESCRIPTION

DATAPHONE Digital Services are configured by combining components to connect two or more AT&T Central Offices. AT&T Central Offices may be within the same LATA or may be located in different LATAs. DATAPHONE Digital Services may be two-point or multipoint. AT&T is introducing ACC Business intrastate private line products. All terms and conditions, rates and charges are identical to the existing DATAPHONE² Digital Services offered in this tariff.

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10.1.2 REGULATIONS

In addition to the regulations in Section 2 preceding, the following apply.

A. AVAILABILITY OF A DATAPHONE DIGITAL SERVICE

DATAPHONE Digital Services are available from the AT&T Central Offices listed in AT&T Tariff F.C.C. No. 10. DATAPHONE Digital Services may not be available in every LATA or to all rate center areas within a LATA.

B. CREDIT ALLOWANCES FOR INTERRUPTIONS

For purposes of determining credit allowances, in accordance with the regulations in Section 2.7 preceding, a DATAPHONE Digital Service is considered to be inoperative when:

- There has been a loss of continuity, or
- The error performance is below the design objective 99.5% error-free-seconds, measured over a continuous 24-hour period.

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10. DATAPHONE DIGITAL SERVICES *

10.1 GENERAL (Continued)

10.1.3 MINIMUM PAYMENT PERIOD

The minimum payment period for DATAPHONE Digital Service components is one month.

10.1.4 NOTICE OF DISCONTINUANCE

The Notice of Discontinuance for all DATAPHONE Digital Service components is 15 days. Recurring charges apply for a period of 15 days from the date the Company receives the discontinuance notice or until the requested discontinuance date, whichever is longer. The charges will continue to apply whether or not the Customer continues to use the service.

10.1.5 CANCELLATION CHARGE

As specified in Section 2.6.7 preceding, a cancellation charge will apply, per component, for service orders canceled by the Customer on or after the SID.

Cancellation Charge Schedule for DATAPHONE Digital Service - 9.6 KBPS is as specified in the Price List.

* AT&T DATAPHONE Digital Services may no longer be ordered for new Customers or for additional orders received from existing Customers after March 9, 2001. AT&T DATAPHONE Digital Services in place or on order before March 9, 2001 will remain in effect until discontinued or canceled by the Customer. Customers who have the Multi Service Volume Pricing Plan (MSVPP) in place or on order before March 9, 2001 may continue to order DATAPHONE Digital Services until the expiration or discontinuance of MSVPP.

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10. DATAPHONE DIGITAL SERVICES *

10.2 SERVICE COMPONENTS AND RATES

The components of a DATAPHONE Digital Service are:

10.2.1 INTER OFFICE CHANNEL

An Inter Office Channel (IOC) is a channel between two AT&T Central Offices, points of connection or a combination thereof. It is available at transmission speeds of 9.6 kbps or 56.0 kbps. When an IOC connects to access, access multiplexing is required. The Company furnishes Digital Data Access Multiplexing from Private Line Services Tariff P.S.C. Mo. No. 24.

A. RATES

The rates for an IOC are listed by transmission speed. The monthly charge is mileage sensitive and includes two rates. A fixed rate applies to the channel itself, and a mileage rate applies to each airline mile of the IOC. (See Pricing Examples and Calculations, Section 5, following).

1. RATE PLANS

Conventional monthly rates are available.

2. (RESERVED FOR FUTURE USE)

3. MONTHLY PLAN

Monthly Plan rates are as specified in the Price List.

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10. DATAPHONE DIGITAL SERVICES *

10.2 SERVICE COMPONENTS AND RATES (Continued)

10.2.2 OFFICE CONNECTIONS

A. ACCESS CONNECTION

An access connection provides the function, at an AT&T Central Office, of connecting Local Channels obtained from Private Lines Services Tariff P.S.C. Mo. No. 24 or other access to an IOC, office function, another Local Channel, other access or a Company service as specified in 3.3.2, preceding. One access connection applies for each Local Channel or other access connected.

Access Connection rates are as specified in the Price List.

B. FUNCTION CONNECTION

A function connection provides the function, at an AT&T Central Office, of connecting an office function to an IOC, another office function, or a Company service as specified in 3.3.2, preceding, or of connecting an IOC to a Company service as specified in 3.3.2, preceding.

Function Connection rates are as specified in the Price List.

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10. DATAPHONE DIGITAL SERVICES *

10.2 SERVICE COMPONENTS AND RATES (Continued)

10.2.3 CHANNEL OPTIONS

Channel options are features added to a channel to change or augment its transmission characteristics.

A. SPECIAL ROUTING OF A DATAPHONE DIGITAL SERVICE

A DATAPHONE Digital Service is normally furnished using a channel selected by the Company. However, Special Routing options are available where the required service components are available. These options are furnished only for 56 kbps services. If complete Special Routing is not available when ordered, or if it becomes unavailable at a later date due to network rearrangements, Special Routing may only be furnished on a partial basis. The Customer will be advised before partial Special Routing is provided and may cancel or discontinue the Special Routing if the partial Special Routing is not acceptable. No cancellation charge will apply in such case. There are two Special Routing options for DATAPHONE Digital Services: Dual-Path Diversity and Custom Diversity.

1. DUAL-PATH DIVERSITY

Two or more DATAPHONE Digital Services are furnished partially or entirely over two physically separate routes, where separate facilities are available. If there are more than two services, the services are divided into two groups prior to application of the Dual-Path Diversity option.

Example 1:

The Customer has four IOCs between AT&T Central Offices A and B and specifies that IOC No. 1 be diverse from IOC No. 2. Dual-Path Diversity charges will apply to IOC Nos. 1 and 2. Dual-Path Diversity charges will not apply to IOC Nos. 3 and 4.

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10. DATAPHONE DIGITAL SERVICES *

10.2 SERVICE COMPONENTS AND RATES (Continued)

10.2.3 CHANNEL OPTIONS (Continued)

A. SPECIAL ROUTING OF A DATAPHONE DIGITAL SERVICE (Continued)

1. DUAL-PATH DIVERSITY (Continued)

Example 2:

The Customer has 4 IOCs between AT&T Central Offices A and B and specifies that IOC Nos. 1 and 2 be diverse from IOC Nos. 3 and 4. Four Dual-Path Diversity charges apply.

Dual-Path Diversity rates are as specified in the Price List.

2. CUSTOM DIVERSITY

Three or more 56 kbps circuits are furnished partially or entirely over not more than three physically separate routes, where separate facilities are available. The designated circuits may originate and/or terminate at the same AT&T Central Offices. If there are more than three circuits, all of which originate and terminate at the same AT&T Central Offices, the circuits are divided into three groups prior to application of the Custom Diversity option.

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10. DATAPHONE DIGITAL SERVICES *

10.2 SERVICE COMPONENTS AND RATES (Continued)

10.2.3 CHANNEL OPTIONS (Continued)

A. SPECIAL ROUTING OF A DATAPHONE DIGITAL SERVICE (Continued)

2. CUSTOM DIVERSITY (Continued)

Example 1:

The Customer has 3 IOCs between AT&T Central Offices A and B and specifies that each be diverse from the others. Three Custom Diversity charges apply.

Example 2:

The Customer has 3 IOCs between AT&T Central Offices A and B, C and D, and specifies that each be diverse from the others. Three Custom Diversity charges apply.

Custom Diversity rates are as specified in the Price List.

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10. DATAPHONE DIGITAL SERVICES *

10.2 SERVICE COMPONENTS AND RATES (Continued)

10.2.4 OFFICE FUNCTIONS

A. SUBRATE DATA MULTIPLEXING (SDM)

The SDM office function permits the derivation of up to 5 subrate digital data channels from a 56 kbps Inter Office Channel (see 10.2.1.A preceding), from a 56 kbps Digital Data Local Channel equipped with the Secondary Channel Option available from Private Line Services Tariff P.S.C. Mo. No. 24, other access, or from a channel derived from an M-24 Multiplexing Office function (see 7.2.4 preceding).

Customer-provided multiplexing equipment and access used in conjunction with an SDM office function must transmit a DS-0 signal formatted as described in Technical Publication 54075 (see Technical Publication Information, Preface, Sheet 5).

SDM is available as follows:

SDM 5 - derives up to 5 subrate digital data channels at a maximum rate of 9.6 kbps on any channel.

As shown, when a 56 kbps Inter Office Channel or a 56 kbps Local Channel equipped with the Secondary Channel Option is used to connect to this office function, the maximum data transfer rate available is 48 kbps.

One office connection is required for each digital data channel connected to this office function.

Subrate Data Multiplexing rates are as specified in the Price List.

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10. DATAPHONE DIGITAL SERVICES *

10.2 SERVICE COMPONENTS AND RATES (Continued)

10.2.5 DIGITAL MULTIPOINT CHARGE

A Digital Multipoint Charge applies to DATAPHONE Digital Services consisting of three or more customer premises. The charge applies for each Customer premises on a Local Channel Service for which the Access Coordination Function (ACF) is provided by AT&T. The monthly charge is in addition to the ACF charge.

Digital Multipoint Charge rates are as specified in the Price List.

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11. AT&T PRIVATE LINE INTEROFFICE CHANNEL SONET SERVICES

11.1 GENERAL

The AT&T Private Line Interoffice Channel SONET Services provide for the transmission of various digital signals.

11.1.1 DESCRIPTION

These AT&T Private Line Interoffice Channel SONET Services are configured by combining service components at designated AT&T Central Offices. The AT&T Central Offices may be within the same LATA or may be in different LATAs. AT&T Private Line SONET Interoffice Channels are furnished on a two-point basis only.

11.1.2 SIGNALS AT THE AT&T CENTRAL OFFICE

All signals carried by local channels or other access and presented to the AT&T Central Offices must meet certain signal and format constraints. These constraints are described in the following Technical Publications:

- | | |
|---------------|--|
| TR 54018 | - Optical Interface Specifications |
| TR-NWT-000253 | - Synchronous Optical Network Transport Systems (Bellcore) |
| TR 54077- OC | - 12 Optical Interface Specifications |
| GR-253-CORE | - Synchronous Optical Network Transport Systems (Bellcore) |

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11. AT&T PRIVATE LINE INTEROFFICE CHANNEL SONET SERVICES

11.1 GENERAL (Continued)

11.1.3 REGULATIONS

In addition to the regulations in Section 2., preceding, the following apply.

A. AVAILABILITY

These Services are available from the designated AT&T central offices listed in AT&T's Service Guides and may not be available in every LATA.

B. CREDIT ALLOWANCES FOR INTERRUPTIONS

For purposes of determining credit allowances in accordance with the regulations in 2.7. preceding, a service is considered to be interrupted when:

- there has been a lost of continuity, or
- 300 or more seconds of transmission containing errors occur in a 15-minute period on an OC3 level, or
- there are more than 60 severely errored seconds in a 15-minute period on an OC12 level.

C. CONNECTION TO OTHER SERVICES

Other access at various speeds may be connected to an AT&T Central Office.

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11. AT&T PRIVATE LINE INTEROFFICE CHANNEL SONET SERVICES

11.1 GENERAL (Continued)

11.1.4 MINIMUM PAYMENT PERIOD

The minimum payment period for Interoffice Channel Service used for AT&T Private Line SONET Service shall be 12 months.

11.1.5 NOTICE OF DISCONTINUANCE

The notice of Discontinuance for all AT&T Private Line SONET Service components is one month. Recurring charges will apply for a period of one month from the date AT&T receives the discontinuance notice or until the requested discontinuance date, whichever period is longer. These charges will apply during this period whether or not the Customer continues to use the service.

11.1.6 CANCELLATION CHARGE

As specified in Section 2.6.7 preceding, a cancellation charge will apply, per component, for service orders canceled by the Customer on or after the SID.

Cancellation Charge Schedule for AT&T Private Line Interoffice Channel SONET Services is as specified in the Price List.

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11. AT&T PRIVATE LINE INTEROFFICE CHANNEL SONET SERVICES

11.2 SERVICE COMPONENTS AND RATES

The components of AT&T Private Line SONET Service are Interoffice Channels and Office Connections.

11.2.1 INTEROFFICE CHANNEL

An Interoffice Channel is a channel between two AT&T Central Offices, points of connection, or a combination thereof, on AT&T's digital fiber optic network.

A. RATES

Rates for Private Line SONET Service are as specified in the Price List.

B. TERMINATION CHARGE

A termination charge will apply if the customer terminates service prior to the end of the term specified.

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11. AT&T PRIVATE LINE INTEROFFICE CHANNEL SONET SERVICES

11.2 SERVICE COMPONENTS AND RATES (Continued)

11.2.2 OFFICE CONNECTIONS

A. ACCESS CONNECTION

An access Connection provides the function, at an AT&T Central Office, of connecting ACCU-Ring Network Access Service or other access to an IOC. One access connection applies for each other access connected.

Access Connection rates are as specified in the Price List.

Installation charges do not apply when the access connection ordered for installation at the same time as an AT&T Private Line SONET Service. The AT&T Private Line SONET Service IOC must remain in service for at least 12 months. If the IOC is disconnected prior to the 12 months, the customer is liable for a termination charge equal to the installation charge for the access connection.

B. FUNCTION CONNECTION

A function connection provides the function, at an AT&T Central Office, of connecting an Office Function to an IOC, another Office Function, an AT&T service, or of connecting an IOC to an AT&T service as specified in 3.3.2B, preceding.

Function Connection rates are as specified in the Price List.

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11. AT&T PRIVATE LINE INTEROFFICE CHANNEL SONET SERVICES

11.2 SERVICE COMPONENTS AND RATES (Continued)

11.2.3 OFFICE FUNCTIONS

A. SONET MULTIPLEXING

The SONET multiplexing office function provides for the transmission of multiple digital signals configured in either an office multiplexing, hubbing, linear add/drop configuration or ring configuration, for which the Customer has designed the configuration.

SONET Multiplexing rates are as specified in the Price List.

1. CHANNEL ACTIVATION OPTION

This permits the Customer to designate various AT&T Private Line SONET Service channels terminating in the interconnection of Multiplexing Office Functions. An additional charge will apply, per termination, for three or more SONET Service terminations.

In addition, a non-recurring reconfiguration charge applies per each change to an activated channel.

Channel Activation Option rates are as specified in the Price List.

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12. MISCELLANEOUS FUNCTIONS AND ARRANGEMENTS

12.1 GENERAL

This section contains miscellaneous functions and arrangements that are provided for use with private line services offered under this tariff.

12.1.1 REGULATIONS

In addition to the regulations in Section 2 preceding, the following applies:

A. MINIMUM PAYMENT PERIOD

Unless otherwise specified for an individual case, miscellaneous functions and arrangements are furnished for a minimum payment period of one month.

12.2 (RESERVED FOR FUTURE USE)

12.3 MISCELLANEOUS ARRANGEMENTS

12.3.1 1 X N CONTROL ARRANGEMENT

This arrangement enables the Customer to control up to 48 switching or transfer functions (e.g., switching or transfer arrangements to switch or transfer channels of ACCUNET Spectrum of Digital Services (ASDS) at an AT&T Central Office) via a remote keyboard terminal capable of either 300 or 1200 bps operation.

Access to the Control Arrangement requires an appropriate channel (e.g., local exchange line).

The Control Arrangement must be located in the same AT&T Central Office as the switching or transfer functions which it controls.

1 X N Control Arrangement rates are as specified in the Price List.

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13. ADDITIONAL ADMINISTRATIVE AND OPERATIONAL FUNCTIONS

13.1 GENERAL

This section contains the rates and regulations for Additional Administrative and Operational Functions that may apply in connection with the installation, operation and maintenance of a private line service. The additional functions will be provided only when specifically ordered or requested by the Customer.

All of the Additional Administrative and Operational Functions are subject to the availability of personnel and equipment. In furnishing these functions, AT&T does not assume any additional responsibility for the through transmission of signals beyond that set forth in the following:

AT&T is responsible for engineering, operating and maintaining the private line services it provides. It is also responsible for the quality of transmission or signaling on private line services it provides.

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13. ADDITIONAL ADMINISTRATIVE AND OPERATIONAL FUNCTIONS

13.2 FUNCTIONS AND CHARGES

13.2.1 TESTING FUNCTIONS

At the Customer's request, AT&T will review test results and participate with the Customer in a design review, technical analysis or testing.

A. REVIEW OF OTHER ACCESS TEST RESULTS

At the Customer's request, AT&T will review the results of tests of a Customer-provided access which is connected to a private line service. (The Customer must arrange for those results to be furnished to AT&T.) Where appropriate, AT&T will recommend additional tests to be performed on the Customer-provided access.

Review of test results will only be provided when the Customer agrees, in advance, to pay the charges for the review.

The rates for Review of Other Access Test Results are as specified in the Price List.

B. SPECIAL PARTICIPATIVE DESIGN REVIEW, TECHNICAL ANALYSIS AND TESTING

At the Customer's request, AT&T will participate with the Customer in Special Participative Design Review, Technical Analysis and Testing.

This function provides the Customer with design review, technical analysis and testing of an assembly consisting of a private line service and a Customer-provided access or channels obtained through the use of channel derivation equipment.

Rates are as specified in the Price List.

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13. ADDITIONAL ADMINISTRATIVE AND OPERATIONAL FUNCTIONS

13.2 FUNCTIONS AND CHARGES (Continued)

13.2.1 TESTING FUNCTIONS (Continued)

C. CUSTOMER DIRECTED PARTICIPATIVE TESTING

At the Customer's request, AT&T will participate in the testing of an assembly, when tests are directed by the Customer.

1. Charges for testing activity performed within a given month on an assembly which contains a local channel service furnished to the same Customer are as specified in the Price List.
2. Bills for tests performed at the Customer's request during a given month will be issued monthly and may, at the option of the Customer, be rendered for tests on a single assembly or group of assemblies.

Rates are as specified in the Price List.

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13. ADDITIONAL ADMINISTRATIVE AND OPERATIONAL FUNCTIONS

13.2 FUNCTIONS AND CHARGES (Continued)

13.2.2 ADDITIONAL INSTALLATION/MAINTENANCE FUNCTIONS

AT&T will provide the following additional installation/maintenance functions for a private line service when ordered by the Customer.

A. OVERTIME INSTALLATION

Installation activities performed at times which require premium payment to installation personnel.

B. STAND-BY

Retention, at the Customer's request, of installation/maintenance personnel at the AT&T Central Office after completion of normal testing appropriate to the installation or repair of the private line service being provided. Additional Installation/Maintenance charges apply for all time in excess of 1/2 hour in such cases.

C. RATES

The rates for performing Additional Installation/Maintenance Functions are as specified in the Price List.

When personnel are called out to provide Additional Installation/Maintenance Functions during a previously excused work period, which is not continuous with the employee's work period, a minimum charge of four (4) hours applies.

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13. ADDITIONAL ADMINISTRATIVE AND OPERATIONAL FUNCTIONS

13.2 FUNCTIONS AND CHARGES (Continued)

13.2.3 ADDITIONAL ENGINEERING FUNCTIONS

A. PROVISION OF ADDITIONAL ENGINEERING

AT&T will provide the following Additional Engineering Functions when ordered by the Customer. Additional engineering will only be provided when:

1. A Customer requests additional technical information after AT&T has already provided the technical information normally included in the Design Layout Report (see Provision of a Design Layout Report, Section 13.2.6, following).
 2. A Customer requests the provision of engineering design or other activities which are not normally provided as part of the design and installation of a service.
- B. Rates for Provisioning of Additional Engineering Functions are as specified in the Price List.

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13. ADDITIONAL ADMINISTRATIVE AND OPERATIONAL FUNCTIONS

13.2 FUNCTIONS AND CHARGES (Continued)

13.2.4 PRIORITY PROVISIONING/RESTORATION CHARGES

A. RESTORATION PRIORITY CHANGE ¹

Upon receipt of certification in conformance with the Federal Communications Commission's Rules and Regulations which specify the priority system for restoration of Private Line Services, the Company will change the priority designation of a Private Line Service. The Restoration Priority Change Charge applies when the Customer requests a change in the Restoration Priority after the service has been established or after the service has been ordered, but prior to start of service. No charge applies when the Restoration Priority certification is provided with the order to establish the service or when a Restoration Priority is discontinued.

NOTE 1: Restoration Priority has been superseded by Telecommunications Service Priority (TSP) System as set forth in 13.2.4.B. For 30 months, RP & TSP will both be in effect, but no new assignments of RP will be allowed. The existing RP services will be honored and maintained during the 30 month interim between the Initial Operating Capability (IOC) and Full Operating Capability (FOC) of TSP. No order for changes to existing RP circuits will be accepted without a TSP Authorization Code or a definitive statement to remove the RP assignment. AT FOC, the Company will remove all RP assignments that have not been converted to TSP or discontinued.

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13. ADDITIONAL ADMINISTRATIVE AND OPERATIONAL FUNCTIONS

13.2 FUNCTIONS AND CHARGES (Continued)

13.2.4 PRIORITY PROVISIONING/RESTORATION CHARGES (Continued)

B. TELECOMMUNICATIONS SERVICE PRIORITY (TSP) PROVISIONING/RESTORATION PRIORITY CHARGES

AT&T will arrange a private line service for TSP provisioning and/or restoration priority on receipt of certification in conformance with Part 64, Subpart D, Appendix A, of the FCC's Rules and Regulations.

1. When an order for a TSP provisioning priority is received, a nonrecurring charge applies, as specified in the Price List.
2. When an order for a TSP restoration priority is received, a monthly and nonrecurring charges apply, as specified in the Price List.
3. When an order for a TSP restoration priority level change is received, a nonrecurring charge applies, as specified in the Price List.
4. When special construction is necessary, the provisions and charges as set forth in 2.6.6.C. preceding will also apply.
5. When a restoration priority is discontinued, no charge will apply.

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13. ADDITIONAL ADMINISTRATIVE AND OPERATIONAL FUNCTIONS

13.2 FUNCTIONS AND CHARGES (Continued)

13.2.5 DESIGN CHANGE CHARGE

A Design Change charge applies, as specified in the Price List, each time a Customer requests a change of an order that results in a change in the design, operation or function of the private line service ordered. The Design Change Charge applies when a change in an order occurs after installation has started but prior to the due date.

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13. ADDITIONAL ADMINISTRATIVE AND OPERATIONAL FUNCTIONS

13.2 FUNCTIONS AND CHARGES (Continued)

13.2.6 PROVISION OF A DESIGN LAYOUT REPORT

The Customer may order the design information pertaining to a private line service. This information is provided in a report referred to as a Design Layout Report. A charge applies for the provision of the Design Layout Report.

When a Design Layout Report has been ordered for a given private line service, revised information will be furnished at no charge if (1) the service design is subsequently altered and (2) that alteration changes the operating characteristics of the service as furnished in the initial report. However, if the design layout changes because a service has been modified in response to a Customer's order, a new Design Layout Report will be subject to the charge.

To the extent applicable, the Design Layout Report for a private line service includes information such as:

- Carrier channel bank type,
- Carrier system mileage,
- Channel lineup and maintenance levels,
- Channel design signal levels,
- The type of transmission medium (e.g., terrestrial, satellite) used to provide the Interoffice Channel,
- The expected measured loss,
- The expected impedance at the demarcation point,
- Use of echo control, and
- Type signaling used (e.g., E&M).

- A. Rates for the Provision of a Design Layout Report are as specified in the Price List.

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P.S.C. Mo. No. 23
AT&T COMMUNICATIONS OF THE SOUTHWEST, INC.
PRIVATE LINE SERVICES TARIFF-SCHEDULE 9

Section 14
Original Sheet 1

14. RESERVED FOR FUTURE USE

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AT&T COMMUNICATIONS OF THE SOUTHWEST, INC.
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Section 15
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15. RESERVED FOR FUTURE USE

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16. AT&T ULTRAVAILABLE[®] NETWORK (UVN) SERVICE (AT)
- 16.1 GENERAL (AT)
- AT&T Ultravailable Network Service is a fully managed, high-speed, optical transport service that provides custom optical networking solutions for interconnecting customer's data centers and business sites in a Metropolitan Area Network (MAN) environment with the ability to extend the MAN into the WAN. Customers have visibility into their network performance via the AT&T BusinessDirect[®] portal and Ultravailable NetView, along with a dedicated Lifecycle Manager throughout the duration of their contract. (AT)
- AT&T UVN offers inter-connection to other ILEC/CLEC's Co-location facilities, carrier hotels, AT&T's IDCs, or any other AT&T provided service, enabling customers to utilize UVN for applications such as but not limited to: (AT)
- Disaster Recovery (AT)
 - LAN extension (AT)
 - Disk mirroring (AT)
- AT&T UVN offers these "high-availability network" services to customers and provides multi-protocol support. UVN supports multiple protocols concurrently on the same fibers to interconnect enterprise servers. Supported protocols include: (AT)
- FICON (AT)
 - Fiber Channel (AT)
 - Fast Ethernet (AT)
 - Gigabit Ethernet (AT)
 - DS-1/DS-3 (AT)
 - OC-3 through OC-192 (AT)
 - 10GE LAN/WAN PHY (AT)
- AT&T UVN integrates SONET Synchronous Optical Network and Dense Wavelength Division Multiplexing (DWDM) technologies into a single end-to-end network solution. UVN uses Dense Wavelength Division Multiplexing to allow multiple frequencies or wavelengths of light that can be used to carry up to 44 different streams (or channels) of data, each up to 10 Gbps. (AT)
- UVN can traverse LATAs and state boundaries (Interstate). (AT)

16. AT&T ULTRAVAILABLE [®] NETWORK (UVN) SERVICE	(AT)
16.1 GENERAL (Continued)	(AT)
16.1.1 UVN Design	(AT)
AT&T Ultravailable Network (UVN) is a custom designed solution based upon specific customer requirements.	(AT) (AT)
16.1.2 UVN Availability	(AT)
AT&T Ultravailable Network (UVN) is a domestic AT&T product and is offered subject to the availability of the facilities and equipment required to provide the service. UVN Service may only be purchased under this tariff by customers whose traffic on the service will be at least 90% intrastate in nature.	(AT) (AT) (AT) (AT) (AT)
UVN service can support both intrastate and interstate traffic, and is available for purchase under AT&T's Interstate Service Guide by customers whose traffic on the service will be more than 10% interstate in nature.	(AT) (AT) (AT) (AT)
16.1.3 Rates and Charges	(AT)
AT&T Ultravailable Network (UVN) is dependent upon specific customer network requirements and is priced on an individual case basis.	(AT) (AT) (AT)
Refer to Price List.	(AT)

17. AT&T WAVELENGTH PRIVATE LINE (WPL) SERVICE (AT)

17.1 GENERAL (AT)

AT&T Wavelength Private Line (WPL) Service is a managed, high-speed, optical transport service that provides custom optical networking solutions for interconnecting customer's location, data centers and business sites in a Metropolitan Area Network (MAN) environment with the ability to extend the MAN into the Wide Area Network (WAN). AT&T WPL offers inter-connection to other carrier Co-location facilities, carrier hotels, AT&T's IDCs, or other AT&T providers. (AT)

AT&T WPL supports the transmission of multiple protocols concurrently on the same fibers. The supported protocols include: (AT)

- 2.5 Gbps Wavelengths (AT)
- Gigabit Ethernet (AT)
- 10 Gbps Wavelengths (AT)
- 10GE LAN/WAN PHY (AT)

AT&T WPL utilizes Dense Wavelength Division Multiplexing (DWDM) technologies to allow multiple frequencies or wavelengths of light that can be used to carry up to a maximum of 44 wavelengths (or channels) of data, each up to 10 Gbps. WPL can be designed to traverse both LATAs and state boundaries (Interstate only). (AT)

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17. AT&T WAVELENGTH PRIVATE LINE (WPL) SERVICE (AT)
- 17.1 GENERAL (Continued) (AT)
- 17.1.1 WPL Design (AT)
- AT&T WPL is an unprotected, point to point, custom designed service solution based upon specific customer requirements. (AT)
- 17.1.2 WPL Availability (AT)
- AT&T WPL is a domestic U.S. service and is offered subject to the availability of the facilities and equipment required to provide the service. WPL Service may only be purchased under this tariff by customers whose traffic on the service will be at least 90% intrastate in nature. (AT)
- WPL service can support both intrastate and interstate traffic, and is available for purchase under AT&T's Interstate Service Guide by customers whose traffic on the service will be more than 10% interstate in nature. (AT)
- 17.1.3 Rates and Charges (AT)
- AT&T Wavelength Private Line (WPL) service is dependent upon specific customer service design requirements and is priced on an individual case basis. (AT)
- Refer to Price List. (AT)