

BELLSOUTH  
TELECOMMUNICATIONS, INC.  
TENNESSEE  
ISSUED: March 21, 2003  
BY: President - Tennessee  
Nashville, Tennessee

## ACCESS SERVICES TARIFF

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EFFECTIVE: April 21, 2003

**E29. OPTICAL TRANSPORT ACCESS SERVICE**

(N)

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**E29. OPTICAL TRANSPORT ACCESS SERVICE****E29.1 BellSouth® Wavelength Service****E29.1.1 General**

- A.** BellSouth® Wavelength service provides high volume optical transport in a point-to-point configuration. BellSouth® Wavelength service provides a customer with a solution that provides a transparent optical transport that supports a maximum bandwidth per optical signal. BellSouth® Wavelength service is capable of transporting digital optical signals at industry standard data speeds such as 100 Mbps, 200 Mbps, 270 Mbps, 1.0625 Gbps, 1.25 Gbps and SONET speeds such as 52 Mbps, 155 Mbps, 622 Mbps, 2.5 Gbps.
- B.** BellSouth® Wavelength service is available in two maximum transmission speeds: 100 Mbps to 1.25 Gbps and 52 Mbps to 2.5 Gbps. The following chart lists the interfaces available and examples of the customer generated digital optical signals that can be transported for each speed:

| Bandwidth                | Interface to customer<br>(Wavelength in nm)             | Type of Fiber at<br>Network Interface | Example Speeds of Customer<br>Generated Digital Signals<br>Transported                            |
|--------------------------|---|---------------------------------------|---|
| 100 Mbps to<br>1.25 Gbps | 850 nm  | Multimode; 2-fiber<br>interface       | 100 Mbps, 200 Mbps, 1.0625<br>Gbps, 1.25 Gbps   |
| 52 Mbps to<br>2.5 Gbps   | 1310 nm, 1550 nm,<br>Single ITU Grid (up to<br>1580 nm) | Single Mode; 2-fiber<br>interface     | 52 Mbps, 100 Mbps, 155 Mbps,<br>200 Mbps, 270 Mbps, 622 Mbps,<br>1.0625 Gbps, 1.25 Gbps, 2.5 Gbps |

It is the customer's responsibility to inform BellSouth® which type of interface they require.

- C.** Electrical interfaces and multiplexing functions are not available with this service. Transport of a customer-generated SONET optical signal is supported; however, SONET functionality is not supported with this service.
- D.** BellSouth® Wavelength service is furnished where suitable facilities are available as determined by the Company.
- E.** The technical specifications and customer interfaces for BellSouth® Wavelength service are contained in BellSouth Technical Reference #73630. This publication is available from BellSouth Telecommunications, Inc., Documentation Operations, W5A1, 3535 Colonnade Parkway, Birmingham, Alabama 35243.

**E29.1.2 Regulations**

- A.** The regulations, rates and charges specified herein are in addition to other regulations, rates and charges as specified in this tariff.
- B.** BellSouth® Wavelength service provides transport of digital optical signals only. Analog optical signals are not supported. It is the customer's responsibility to generate the appropriate digital optical signal.
- C.** BellSouth® Wavelength service will only be provided where both customer locations are within BellSouth territory.
- D. Minimum Period**  
The minimum service period for BellSouth® Wavelength service is four months.
- E.** BellSouth® Wavelength service is available at month-to-month rates with a four month minimum service period. When a service is discontinued prior to the expiration of the minimum period, all charges are applicable for the remaining portion of the minimum period. Service is also available under a Transport Payment Plan (TPP) as specified in E2.4.9.(C) of this Tariff.
- F. Allowance for Interruptions**  
Allowance for interruptions to service will be in accordance with the provisions set forth in E2.4.4 of this Tariff.

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**E29.1 BellSouth® Wavelength Service (Cont'd)**

(N)

**E29.1.3 Ordering Options and Conditions**

(N)

- A. The Access Order, as set forth in Section E5. preceding, is used in the provisioning of BellSouth® Wavelength service. Also included in that section are other charges which may be associated with ordering BellSouth® Wavelength service (e.g., Service Date Change Charges, Cancellation Charges, etc.). (N)
- B. A Service Inquiry will be necessary to determine availability of service. A Service Inquiry is a request to the Company to determine if facilities exist to provide the requested service and to determine the service dates on which service can be provided to the customer. (N)

**E29.1.4 Type of Rates and Charges**

(N)

- A. Rates and charges are specified in E29.1.6 following for BellSouth® Wavelength service. There are two types of rates and charges – monthly rates and nonrecurring charges. (N)

- 1. Monthly Rates (N)

Monthly rates are flat recurring rates that apply each month or fraction thereof that a BellSouth® Wavelength service is provided. For billing purposes, each month is considered to have 30 days. (N)

- 2. Nonrecurring Charges (N)

Nonrecurring charges are one-time charges that apply for specific work activity (i.e., installation or change to an existing service). Nonrecurring charges do not apply when rate elements are ordered under TPP arrangements. (N)

- a. Installation of Service (N)

Nonrecurring charges apply for each service terminated at the customer's premises. (N)

- b. Service Rearrangements (N)

Service rearrangements are changes to existing (installed) services which do not result in either a change in the minimum period requirements or a change in the physical location of the point of termination at a customer designated premises. Changes which result in the establishment of new minimum period obligations are treated as disconnects and starts. Changes in the physical location of the point of termination are treated as moves and are described and charged for as set forth in B. following. A change which results from a transfer of service is described in (c) following. (N)

The charge to the customer for the service rearrangement is dependent on whether the change is administrative only in nature or involves actual physical change to the service. (N)

Administrative changes will be made without charge(s) to the customer. Such changes require the continued provision and billing of the Access Service to the same entity (i.e., customer remains responsible for all outstanding indebtedness for the Access service). Administrative changes are as follows: (N)

- Change of customer name (i.e., the customer of record does not change but rather the customer of record changes its name – e.g., AT&T-Long Lines to AT&T-Communications), (N)

- 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. (N)

- Change in billing data (name, address or contact name or telephone number. The customer of record does not change.) (N)

- Change of jurisdiction. (N)

- c. Transfer of Service (N)

When a change in billing data (e.g., name, address, contact name, or telephone number) is requested in association with a change in the customer of record, transfer of service charges, as set forth in E7.5.13 of this Tariff will apply. Charges are applied on a Billing Account Number (BAN) and per circuit basis. (N)

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**E29.1 BellSouth® Wavelength Service (Cont'd)**

(N)

**E29.1.4 Type of Rates and Charges (Cont'd)**

(N)

**B. Moves**

(N)

1. A move involves a change in the physical location of one of the following:
  - a. The point of interface at the customer's premises. (N)
  - b. The customer's premises. (N)
2. The charges for the move are dependent on whether the move is to a new location within the same building or to a different building. (N)

**a. Moves Within the Same Building**

(N)

When a service is moved to a new location within the same building, the charge for the move will be an amount equal to one-half of the nonrecurring charge for the service termination affected. There will be no change in the minimum period requirements. (N)

**b. Moves To a Different Building**

(N)

Moves to a different building will be treated as a discontinuance and start of service and all associated nonrecurring charges will apply. Service will not be available simultaneously at both the original and new customer locations. The customer will remain responsible for satisfying all outstanding minimum period charges for the original service locations. (N)

**E29.1.5 Rate Categories**

(N)

**A. Wavelength Channel**

(N)

This rate category provides a point to point optical transport from customer location A to customer location B. This Wavelength Channel is available in two bandwidths – 100 Mbps to 1.25 Gbps and 52 Mbps to 2.5 Gbps. (N)

A nonrecurring charge and monthly rate applies per Wavelength Channel. (N)

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**E29.1 BellSouth® Wavelength Service (Cont'd)**

(N)

**E29.1.6 Rates and Charges**

(N)

**A. Wavelength Channel**

(N)

## 1. Per Channel

(N)

|                           | <b>Nonrecurring<br/>Charge</b> | <b>Month<br/>To<br/>Month</b> | <b>USOC</b>  |
|---------------------------|--------------------------------|-------------------------------|--------------|
| (a) 100 Mbps to 1.25 Gbps | <b>\$3,000.00</b>              | <b>\$20,000.00</b>            | <b>LWAC1</b> |
| (b) 52 Mbps to 2.5 Gbps   | <b>3,000.00</b>                | <b>28,000.00</b>              | <b>LWAC2</b> |

(N)

(N)

(N)

(N)

(N)

**B. Wavelength Channel**

(N)

## 1. Per Channel

(N)

|                           | <b>Transport Payment Plan</b>  |                                |                                |              |
|---------------------------|--------------------------------|--------------------------------|--------------------------------|--------------|
|                           | <b>12 to<br/>36<br/>Months</b> | <b>37 to<br/>60<br/>Months</b> | <b>61 to<br/>96<br/>Months</b> | <b>USOC</b>  |
| (a) 100 Mbps to 1.25 Gbps | <b>\$15,000.00</b>             | <b>\$11,000.00</b>             | <b>\$ 9,000.00</b>             | <b>LWAC1</b> |
| (b) 52 Mbps to 2.5 Gbps   | <b>22,000.00</b>               | <b>17,000.00</b>               | <b>14,000.00</b>               | <b>LWAC2</b> |

(N)

(N)

(N)

(N)

(N)

(N)