

**BELLSOUTH TELECOMMUNICATIONS, INC.**

**DESCRIPTION AND JUSTIFICATION**

**BELLSOUTH WAVELENGTH CHANNEL SERVICE  
and  
BELLSOUTH WAVELENGTH DEDICATED RING SERVICE**

**TRANSMITTAL NO. 1045**

**1.0 INTRODUCTION**

With this filing, BellSouth Telecommunications, Inc. (hereinafter "BellSouth") is revising the F.C.C. Tariff No. 1, Section 29, to introduce new capabilities for BellSouth Wavelength Channel Service and BellSouth Wavelength Dedicated Ring Service arrangements.

Transmittal No. 1045 is scheduled to become effective on December 29, 2006.

**2.0 DESCRIPTION**

BellSouth Wavelength Channel Service and BellSouth Wavelength Dedicated Ring Service provide high volume transparent and bit rate specific optical transport capabilities in a point-to-point and dedicated ring service configurations.

With this filing, BellSouth is introducing new wavelength channels to meet customer's transport needs. The new wavelength channels include OC-3, OC-12 and OC-48 Transport With Transparent Overhead, 10 Gbps LAN Transport, Fast Ethernet at 100Mbps, Fibre Channel 100 Transport, Fibre Channel 200 Transport, Fibre Connection (FICON™) Channel Transport, Fibre Connection (FICON™) Express Channel Transport and ESCON™/SBCON Channel Transport.

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