

**BELLSOUTH TELECOMMUNICATIONS, INC.**

**DESCRIPTION AND JUSTIFICATION**

**BELLSOUTH WAVELENGTH CHANNEL SERVICE**

**TRANSMITTAL NO. 990**

**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 and clarify terms and conditions for BellSouth Wavelength Channel Service arrangements.

Transmittal No. 990 is being filed on August 4, 2006 and is scheduled to become effective on August 19, 2006.

**2.0 DESCRIPTION**

BellSouth Wavelength Channel Service provides high volume transparent and bit rate specific optical transport capabilities in a point-to-point configuration.

With this filing, BellSouth is introducing Channel Network Protection (CNP) capabilities in which wavelengths utilize Telephone Company equipment at a customer's premises and/or collocation location to provide a level of survivability for a customer's service in case of a failure associated with a Wavelength Channel.

Also, this filing clarifies that the 1000 Mbps Transport Wavelength Channel is available for connecting a customer's premises to 1000 Mbps service components of LightGate service (a.k.a. BellSouth Point to Point Network), SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring), BellSouth Wavelength Dedicated Ring service and BellSouth Wavelength Channel service at a serving wire center or for 1000 Mbps Transport connections between different serving wire centers for LightGate service (a.k.a. BellSouth Point to Point Network), SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring), BellSouth Wavelength Dedicated Ring service and BellSouth Wavelength Channel service. This clarification regarding 1000 Mbps Transport will not affect any existing customers.