

# **BELLSOUTH TELECOMMUNICATIONS, INC.**

## **DESCRIPTION AND JUSTIFICATION**

### **NEW OPTIONS FOR SMARTRING SERVICE (A.K.A. BELLSOUTH SPA DEDICATED RING) AND LIGHTGATE SERVICE (A.K.A. BELLSOUTH SPA POINT TO POINT NETWORK)**

#### **TRANSMITTAL NO. 1084**

#### **1.0 INTRODUCTION**

With this filing, BellSouth Telecommunications, Inc. (hereinafter "BellSouth") is revising the F.C.C. Tariff No. 1, Sections 7 and 23, to introduce new capabilities for SMARTRing Service (a.k.a. BellSouth SPA Dedicated Ring) and LightGate Service (a.k.a. BellSouth SPA Point to Point Network).

Transmittal No. 1084 is scheduled to become effective on July 27, 2007.

#### **2.0 DESCRIPTION**

SMARTRing Service (a.k.a. BellSouth SPA Dedicated Ring) is a fiber based, synchronous optical network, that utilizes a self-healing ring architecture to guarantee diversity and redundancy. LightGate Service (a.k.a. BellSouth SPA Point to Point Network) is a dedicated point-to-point high capacity service that provides digital transport. These services provide transport at various capacity rates ranging from DS3 up to OC-192.

This filing introduces new customer and central office channel interfaces for the above services to respond to customers' transport needs. These interfaces include Fibre Connection (FICON<sup>TM</sup>), Fibre (FICON<sup>TM</sup>) Connection Express, Fibre Channel 100 and Fibre Channel 200 and will be used to provide the capability to transport storage interfaces and to support mainframe to mainframe data exchange and peripherals.

FICON<sup>TM</sup> is a registered trademark of the International Business Machines (IBM) Corporation, Armonk, NY 10504.

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