

B109. OBSOLETE SERVICE OFFERINGS – OPTICAL NETWORK SERVICE

CONTENTS

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B109.0 OBSOLETE SERVICE OFFERINGS - OPTICAL NETWORK SERVICE

B109.1 BellSouth Wavelength (Dedicated Ring Arrangement) (Cont'd)

B109.1.1 General (Cont'd)

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The general description of the Wavelength Channels is as shown below. Detailed transport specifications, capabilities and line rates are described in TR 73630 BT.

- 1.25 Gbps Transparent Transport - provides a fiber-based transport interface
- 2.5 Gbps Transparent Transport - provides a fiber-based transport interface
- 10G WAN-PHY Wavelength Transport - a version of Ethernet with a WAN-PHY only interface.
- 10G LAN-PHY Wavelength Transport - a version of Ethernet with a LAN-PHY only interface.
- OC-3 Wavelength Transport - provides fiber based synchronous optical full duplex data transmission capability and a transparent data communications channel.
- OC-12 Wavelength Transport - provides fiber based synchronous optical full duplex data transmission capability and a transparent data communications channel.
- OC-48 Wavelength Transport - provides fiber based synchronous optical full duplex data transmission capability and a transparent data communications channel.
- OC-192 Wavelength Transport - provides fiber based synchronous optical full duplex data transmission capability and a transparent data communications channel.
- ESCON™ / SBCON Wavelength Transport - Enterprise System Connection / Single Byte command and code sets Connection. ESCON is an IBM duplex optical connection used for computer-to-computer data exchange. SBCON is the industry standard equivalent to IBM ESCON.
- FICON™ and FICON™ Express Wavelength Transport - An IBM higher-speed evolution of ESCON™, enabling connectivity among mainframes, storage devices and peripherals.
- Fibre Channel 100 and Fibre Channel 200 Wavelength Transport - An industry standard protocol used to interconnect Storage Area Networks (SANs).
- Fast Ethernet Wavelength Transport - a version of Ethernet.
- Gigabit Ethernet (1 Gbps) Wavelength Transport - a version of Ethernet.

The Company will install, test and verify that Wavelength Channels can be carried and transmitted from Company network interface to Company network interface. BellSouth Wavelength service Wavelength Channels do not provide protocol functionality, they only provide a transport for the protocol.

- E. The compatibility requirements and technical specifications (including Channel Network Protection and Optical Network Protection) for BellSouth Wavelength service are as shown in technical reference TR -73630 BT.
- F. Wavelength Channels with time delay sensitive protocols, as identified in TR 73630 BT, have facility length limitations and may not be available on some BellSouth Wavelength service Dedicated Ring Arrangements, or may not be available between some nodes on certain BellSouth Wavelength service Dedicated Ring Arrangements.
- G. The customer must provide suitable floor space, controlled environment, and source of non-switched suitable power to support this service.
- H. Where the customer provides two separate entrance facility cable routes BellSouth Wavelength service, the primary and alternate facilities will be separate and will enter the customer location, at the initial installation of the service, over such different routes. Request for separate entrance facilities to a customer location, subsequent to installation of the service, shall be accommodated via a Special Construction request.
- I. BellSouth Wavelength service provides physical layer transport only. The Company assumes no responsibility for the signals generated by the customer, for the quality of or defects in such signals, for the reception of signals by the customer, or address signaling, to the extent addressing is performed by the customer. Error detection and correction of data generated by the customer is the customer's responsibility.
- J. Reserved for future use.

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