

MARY K. KEYER
General Attorney

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BellSouth Telecommunications, Inc.
150 South Monroe Street
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Tallahassee, Florida 32301
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RECORDS AND
REPORTING

November 25, 1998

Mrs. Blanca S. Bayo
Director, Division of Records and Reporting
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399

RE: Docket No. 981121-TP

Dear Mrs. Bayo:

Enclosed are an original and 15 copies of BellSouth Telecommunications, Inc.'s Direct Testimony of W. Keith Milner and Jerry Hendrix. Please file these documents in the captioned docket.

A copy of this letter is enclosed. Please mark it to indicate that the original was filed and return the copy to me. Copies have been served on the parties shown on the attached Certificate of Service.

Sincerely,

Mary K. Keyer
Mary K. Keyer

- ACK _____
- AFA _____
- APP _____
- CAF _____
- CMU _____
- CTR _____
- EAG _____
- LEG I _____
- LIN Stog _____
- OPC _____
- RCH _____
- SEC I _____
- WAS _____
- OTH _____

Enclosures

cc: All Parties of Record
A. M. Lombardo
R. G. Beatty
W. J. Ellenberg (w/o enclosures)

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[Signature]
FPSC-BUREAU OF RECORDS

Milner *Hendrix*
DOCUMENT NUMBER - DATE DOCUMENT NUMBER - DATE
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**CERTIFICATE OF SERVICE
Docket No. 981121-TP**

I HEREBY CERTIFY that a true and correct copy of the foregoing was served via
U.S. Mail this 25th day of November, 1998 to the following:

Staff Counsel
Florida Public Service
Commission
Division of Legal Services
2540 Shumard Oak Boulevard
Tallahassee, FL 32399-0850

Richard D. Melson, Esq.
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Tel. No. (850) 425-2313
Represents MCI

Michael J. Henry, Esq.
MCI Telecommunications Corp.
Suite 700
780 Johnson Ferry Road
Atlanta, GA 30342

Mary K. Keyer (KR)
Mary K. Keyer

1 BELL SOUTH TELECOMMUNICATIONS, INC.

ORIGINAL

2 DIRECT TESTIMONY OF W. KEITH MILNER

3 BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

4 DOCKET No. 981121-TP

5 November 25, 1998

6

7

**Q. PLEASE STATE YOUR NAME, ADDRESS, AND POSITION WITH
BELL SOUTH TELECOMMUNICATIONS, INC.**

9

10

A. My name is W. Keith Milner. My business address is 675 West Peachtree Street, Atlanta, Georgia 30375. I am Senior Director - Interconnection Services for BellSouth Telecommunications, Inc. ("BellSouth"). I have served in my present role since February 1996, and have been involved with the management of certain issues related to local interconnection, resale and unbundling.

11

12

13

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16

17

Q. PLEASE SUMMARIZE YOUR BACKGROUND AND EXPERIENCE.

18

19

A. My business career spans over 28 years and includes responsibilities in the areas of network planning, engineering, training, administration and operations. I have held positions of responsibility with a local exchange telephone company, a long distance company and a research and development laboratory. I have extensive experience in all phases of telecommunications network planning, deployment and operation (including research and development) in both the domestic and

20

21

22

23

24

25

DOCUMENT NUMBER-DATE

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FPSC-RECORDS/REPORTING

1 international arenas.

2

3 I graduated from Fayetteville Technical Institute in Fayetteville, North
4 Carolina, in 1970, with an Associate of Applied Science in Business
5 Administration degree. I later graduated from Georgia State University in
6 1992 with a Master of Business Administration degree.

7

8 **Q. HAVE YOU TESTIFIED PREVIOUSLY BEFORE ANY STATE PUBLIC**
9 **SERVICE COMMISSION, AND IF SO, BRIEFLY DESCRIBE THE**
10 **SUBJECT OF YOUR TESTIMONY?**

11

12 A. I testified before the state Public Service Commissions in Alabama,
13 Florida, Georgia, Kentucky, Louisiana, Mississippi and South Carolina, the
14 Tennessee Regulatory Authority and the Utilities Commission in North
15 Carolina on the issues of technical capabilities of the switching and
16 facilities network regarding the introduction of new service offerings,
17 expanded calling areas, unbundling and network interconnection.

18

19 **Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY BEING FILED**
20 **TODAY?**

21

22 A. In my testimony, I will address the technical specifications that relate to
23 BellSouth's MegaLink[®] service and the 4-wire DS1 local loop combined
24 with DS1 dedicated transport requested by MCImetro Access

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1 Transmission Services Inc. ("MCI"). I will establish that the arrangement
2 requested by MCI recreates BellSouth's MegaLink® Service.

3

4 **Q. WHAT IS MEGALINK® SERVICE?**

5

6 A. MegaLink ® service is a service by which digital signals are transmitted
7 over digital facilities at a rate of 1.544 million bits per second (mbps).
8 These digital signals can be voice, data, video, or control signals. The
9 facilities over which these signals are sent are DS1 loops and DS1
10 dedicated transport facilities.

11

12 **Q. WHAT DOES DS1 MEAN?**

13

14 A. "DS" stands for digital service, and the number is a reference to the
15 transmission speed. DS1 refers to a circuit transmitting 1.544 mbps of
16 information. DS0 is a circuit transmitting 64 kilobits per second (kbps),
17 while DS3 transmits at a rate of 44.6 mbps. The DS1 facilities utilized by
18 MegaLink® transmit at a rate of 1.544 mbps.

19

20 **Q. WHAT DOES MEGALINK® DO?**

21

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1 A. MegaLink® allows digital signals to be transmitted simultaneously in a
2 two-way communication at 1.544 mbps. It can be provided on a link basis,
3 which is a partial channel, or as an end to end service. MegaLink® uses
4 digital carrier technology, often referred to as T1, to transmit DS1 signals
5 to and from customers' premises.

6

7 **Q. IS MEGALINK® SERVICE AVAILABLE TO BELLSOUTH'S RETAIL**
8 **CUSTOMERS AS A TARIFFED OFFERING?**

9

10 A. Yes. BellSouth offers MegaLink® service in its Private Line Services
11 Tariff, Section B7.1, Pages 1-8, a copy of which is attached as Exhibit
12 WKM-1.

13

14 **Q. HAVE BELLSOUTH'S RETAIL CUSTOMERS IN FLORIDA**
15 **SUBSCRIBED TO MEGALINK® SERVICE?**

16

17 A. Yes. In Florida, as of October 1, 1998, MegaLink® local channels totaled
18 4,009 and MegaLink® interoffice channels totaled 12,003. The
19 corresponding BellSouth regional numbers were 17,947 and 57,209
20 respectively.

21

1 Q. IS MEGALINK®SERVICE AVAILABLE FOR RESALE BY
2 ALTERNATIVE LOCAL EXCHANGE COMPANIES (ALECS) IN
3 FLORIDA?

4

5 A. Yes. As of November 1, 1998, 72 MegaLink® service arrangements were
6 in place in Florida on a resale basis.

7

8 Q. MCI HAS REQUESTED THAT BELLSOUTH PROVIDE IT WITH A
9 COMBINED 4-WIRE DS1 LOOP AND DS1 DEDICATED TRANSPORT.
10 WHAT IS A 4-WIRE DS1 LOOP?

11

12 A. A 4-wire DS1 loop is a digital facility capable of providing simultaneous
13 two-way transmission of a bit stream operating at 1.544 mbps. It uses
14 digital technology to transmit DS1 signals from one point to another point.

15

16 Q. WHAT IS DS1 DEDICATED TRANSPORT?

17

18 A. DS1 dedicated transport is a digital facility capable of providing
19 simultaneous two-way transmission of a bit stream operating at 1.544
20 mbps. It uses digital technology to transmit DS1 signals between network
21 switches.

22

1 Q. CAN A 4-WIRE DS1 LOOP(S) AND DS1 DEDICATED TRANSPORT BE
2 COMBINED TO FUNCTION IN A UNITARY MANNER?

3

4 A. Yes. Such an arrangement would, for example, permit an end user to
5 originate a call at the end user's premises, be carried to the end user's
6 serving central office, be transported to a foreign central office, and
7 receive dial tone from the foreign central office switch.

8

9 Q. IS THE SERVING ARRANGEMENT YOU HAVE JUST DESCRIBED
10 IDENTICAL TO THE SERVING ARRANGEMENT FOR BELLSOUTH'S
11 MEGALINK® SERVICE DESCRIBED EARLIER?

12

13 A. Yes. To illustrate this point, I have prepared Exhibit WKM-2 that contains
14 four schematics showing the network facilities involved in each service.
15 Page 1 is a schematic showing the serving arrangements for the digital
16 local channel of a MegaLink® service. Page 2 is a schematic showing the
17 serving arrangements for the 4-wire DS1 local loop requested by MCI.
18 Page 3 is a schematic showing the service arrangements for a MegaLink®
19 interoffice channel. Page 4 is a schematic showing the service
20 arrangements for the dedicated transport arrangement being requested by
21 MCI. As you can see, Pages 1 and 2 are identical, as are Pages 3 and 4.¹

¹ A complete description of a MegaLink® digital local channel or the 4-wire DS1 requires five drawings. Similarly, a complete description of the interoffice channel/dedicated transport requires 13 drawings. The full set for each is identical. For purposes of this testimony, I selected the most frequently used configuration from each category.

1

2 **Q. ARE THERE ANY DIFFERENCES BETWEEN THE COMBINED 4-WIRE**
3 **DS1 AND DS1 DEDICATED TRANSPORT BEING REQUESTED BY MCI**
4 **AND BELLSOUTH'S MEGALINK® SERVICE?**

5

6 A. There are no differences. Both the MegaLink® service and MCI's
7 proposed combination of unbundled DS1 loop and unbundled DS1
8 dedicated transport terminate on the end user's premises at a Network
9 Interface Device (NID). The drawings in Exhibit WKM-2 show an RJ11
10 jack as the modem on the premises side of the network interface, but this
11 is for illustrative purposes only. The customer may choose to terminate
12 the service in any technically compatible device. MCI has stated its
13 intention to connect this arrangement to MCI's end office local switch.

14

15 **Q. WHAT HAS MCI STATED AS ITS PURPOSE IN ORDERING THIS**
16 **COMBINED 4-WIRE DS1 LOCAL LOOP AND DS1 DEDICATED**
17 **TRANSPORT FACILITY?**

18

19 A. In its complaint in this proceeding, MCI stated that it requested this
20 combination "...in order to provide its customers with a high speed (1.544
21 mbps) transmission path or loop to connect to MCI's Class 5 local
22 switch..." from which it will provide its customers "...with dial tone, as well

1 as vertical features, operator services, directory assistance information,
2 emergency 911 services and access to long distance networks....”

3

4 **Q. DOES THE USE TO WHICH MCI WOULD PLACE THE REQUESTED**
5 **COMBINED ARRANGEMENT MAKE A DIFFERENCE IN WHETHER**
6 **THE ARRANGEMENT RECREATES AN EXISTING BELLSOUTH**
7 **SERVICE?**

8

9 A. No. Connecting a high-speed transport facility to a switch does not alter
10 the nature of the transport facility. MegaLink® service is a high capacity
11 transportation pipeline. Each customer decides what features or services
12 will be accessed over this pipeline, but the features selected for access do
13 not change the characteristics of the pipeline. MegaLink® could be
14 thought of as a freight train which may haul different types of goods but
15 remains largely unchanged regardless of the payload. Similarly, the
16 proposed combined 4-wire DS1 loop and dedicated transport would
17 likewise constitute a 1.544 mbps pipeline, which could be used in
18 conjunction with a wide range of features or services.

19

20 **Q. GIVEN THE ABOVE INFORMATION, DOES THE COMBINED 4-WIRE**
21 **DS1 LOOP AND DS1 DEDICATED TRANSPORT FACILITY BEING**
22 **REQUESTED BY MCI RECREATE BELLSOUTH'S MEGALINK®**
23 **SERVICE TARIFF OFFERING?**

1

2 A. Yes.

3

4 Q. DOES THIS CONCLUDE YOUR TESTIMONY?

5

6 A. Yes.

Cover Page for Keith Milner Exhibit WKM-1

This page transmits Exhibit WKM-1 which consists of Pages 1-8 of Section B7.1 of BellSouth Telecommunications, Inc. Private Line Services Tariff.

ISSUED: October 21, 1996
BY: Joseph P. Lacher, President -FL
Miami, Florida

EFFECTIVE: November 5, 1996

B7. DIGITAL NETWORK SERVICE

(T)

B7.1 MegaLink® Service

B7.1.1 General

- A. MegaLink® service is furnished for Private Line IntraLATA Communications by the Company.
- B. MegaLink® service is a service for the transmission of digital signals only and using only digital transmission facilities.
- C. MegaLink® service provides for the simultaneous two-way transmission of isochronous digital signals at DS1 speeds of 1.544 Mbps, where facilities are available.
- D. To ensure satisfactory operation, the terminal equipment provided by the customer must be compatible with the MegaLink® service channel facility provided by the Company. The technical specifications and standard network interfaces for MegaLink® service are contained in BellSouth Services Technical Reference Publication 73525. This publication is available from BellSouth Services Documentation Operations, North W5A1, 3535 Colonnade Parkway, Birmingham, Alabama 35243.
- E. Unless specified following, the regulations for MegaLink® service specified herein apply in addition to the regulations set forth in Section B2. preceding.
- F. The rates specified for MegaLink® service in B7.1.3 following contemplate the provision of a digital quality facility utilizing existing interoffice carrier equipment and/or exchange cable facilities compatible with this service. If such equipment, new facilities or changes to existing facilities are required for the provision of this service, a special construction charge as specified in Section B5. of this Tariff will apply in addition to the rates for MegaLink® service.

B7.1.2 Regulations

- A. Description of Service
 1. MegaLink® service is furnished for the simultaneous two-way transmission of serial, Bipolar Return-to-Zero (BPRZ) isochronous digital signals, except where intentional bipolar violations are introduced by Bipolar with 8 Zero Substitution (B8ZS) format, at a speed of DS1/1.544 Mbps between two-points located within a LATA.
 2. Multipoint service is not available.
 3. MegaLink® service is available on a month-to-month basis or under variable rate periods with rates based on lengths of 36 months, 60 months or 84 months, under conditions specified in B2.4 of this Tariff.
 4. Connection of DS1/1.544 Mbps communications systems provided by others may be made on a permissive basis as provided for in Section B2. The Company does not represent its MegaLink® service as adapted for such connections, and shall not be responsible for the through transmission of signals, or the quality of such transmission on such connections.
 5. A Channel Service Unit (CSU) or appropriate Termination Equipment (TE) provided by the customer is required at a customer's or authorized user's premises to perform such functions as:
 - proper termination of the service
 - amplification
 - signal shaping
 - remote loop-back

(M)

Material appearing on this page previously appeared on page(s) 2 of this section.

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BY: Joseph P. Lacher, President -FL
Miami, Florida

EFFECTIVE: November 5, 1996

B7. DIGITAL NETWORK SERVICE

B7.1 MegaLink® Service (Cont'd)

B7.1.2 Regulations (Cont'd)

A. Description of Service (Cont'd)

6. The design, maintenance and operation of MegaLink® service contemplates communications originating and terminating as (1) a customer premises to customer premises channel via the Company's Serving Wire Center, (SWC) - and/or through remote SWCs; (2) a customer premises to the Serving Wire Center - and/or to remote SWCs - partial channel (link); or (3) a central office to central office (interoffice) partial channel (link).
7. MegaLink® service may also be furnished on a link (partial channel) basis when connected to ESSX® service¹, Digital ESSX® service, MultiServ® service, MultiServ PLUS® service, FlexServ® service, *MegaLink® Plus service*, MegaLink® channel service, another MegaLink® service, and/or LightGate® service.
8. All appropriate rates specified in other tariff sections are in addition to the monthly rate per package or single channel for MegaLink® service specified in this Tariff.

B. Definitions

CHANNEL SERVICE UNIT

The term "Channel Service Unit" (CSU) denotes equipment provided by the Customer to terminate a digital facility on the customer's or user's premises.

DS1

This denotes a channel service expressed in terms of its digitally encoded data bit rate in accordance with the North American hierarchy of digital signal levels. It has a 1.544 Mbps transmission data rate, and provides for the two-way simultaneous transmission of isochronous timed, Bipolar Return-to-Zero (BPRZ) bit stream format, except where intentional bipolar violations are introduced by Bipolar with 8 Zero Substitution (B8ZS) format. Unframed signal formats are not permitted or compatible with Company equipment. The required format and interface specifications are contained in BellSouth Services Technical Reference Publication 73525.

DIGITAL LOCAL CHANNEL

The term "Digital Local Channel" denotes a path for MegaLink® service furnished from the customer's premises to their Serving Wire Center.

INTEROFFICE CHANNEL

The term "Interoffice Channel" denotes a path (or paths) for digital transmission between Company Serving Wire Centers within a LATA. An interoffice channel may be furnished in such manner as the Company may elect.

Note 1: Connection from MegaLink® service *and MegaLink® Plus service* to ESSX® service, Digital ESSX® service, MultiServ® service or MultiServ PLUS® service may not be available from all serving wire centers.

Material previously appearing on this page now appears on page(s) 1 of this section.

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EFFECTIVE: July 15, 1996

B7. DIGITAL NETWORK SERVICE¹

(N)

B7.1 MegaLink[®] Service (Cont'd)

B7.1.2 Regulations (Cont'd)

D. Connections (Cont'd)

2. Responsibility of the Company (Cont'd)

b. (Cont'd)

- the reception of signals by such equipment or systems, or
- damage to terminal equipment or communications systems provided by a customer or authorized user due to testing.

c. The Company shall not be responsible to the customer if changes in any of the facilities, operations or procedures of the Company utilized in the provision of MegaLink[®] service render any facilities or equipment provided by a customer obsolete, or require modification or alteration of such equipment or system or otherwise affects its use or performance.

d. The Company undertakes to maintain and repair the facilities which it furnishes. The customer may not rearrange, disconnect, remove or attempt to repair any equipment installed by the Company without prior written consent of the Company.

3. Responsibilities of the Customer

a. The customer is responsible for installing and testing his premises equipment or facilities to insure that when they are connected to MegaLink[®] service such equipment or facilities are operating properly.

b. The operating characteristics of the customer premises equipment or facilities shall be such as to not interfere with any of the services offered by the Company. Such use is subject to the further provisions that the equipment provided by a customer does not: endanger the safety of Company employees or the public; damage, require change in or alteration of the equipment or other facilities of the Company; interfere with the proper functioning of such equipment or facilities; impair the operation of the Company's facilities or otherwise injure the public in its use of the Company's services. Upon notice that the equipment provided by a customer is causing or is likely to cause such hazard or interference, the customer shall take such steps as shall be necessary to remove or prevent such hazard or interference.

c. The customer's responsibility shall include cooperative testing with the Company as may be necessary. Where regeneration and/or equalization adjustments or changes may be required to compensate for rearrangements and/or changes in outside plant facilities, the customer will be responsible for all expenses incurred in changes to his premises equipment.

d. The customer shall be responsible for payment of a Trouble Location Charge, as set forth in Section B2. of this Tariff, for visits by the Company to the premises of the customer where the service difficulty or trouble report results from the use of equipment or facilities provided by the customer.

4. Connection of Customer-Provided Terminal Equipment, Customer-Provided Derivation Equipment and Customer-Provided Communications Systems.

a. The following provisions will apply:

Note 1: Text is shown as new due to reissue of all Tariff Sections. No changes in rates or regulations were made with this filing.

EFFECTIVE: July 15, 1996

B7. DIGITAL NETWORK SERVICE¹

(N)

B7.1 MegaLink[®] Service (Cont'd)

B7.1.2 Regulations (Cont'd)

D. Connections (Cont'd)

4. Connection of Customer-Provided Terminal Equipment, Customer-Provided Derivation Equipment and Customer-Provided Communications Systems. (Cont'd)

- a. The following provisions will apply: (Cont'd)

- (1) Customer-Provided Terminal Equipment and/or Customer-Provided Communications Systems may be connected at the premises of the customer, to MegaLink[®] service.
- (2) The customer, by use of its own derivation equipment, may create digital bit streams from a MegaLink[®] service and such equipment may be connected for transmission of such bit streams when connected thru a customer-provided CSU/TE.
- (3) The undertaking of the Company is to furnish MegaLink[®] service as ordered. The customer is required to provide the CSU/TE as specified in d. following.

- b. Connections to Other Services Furnished by the Company to the Same Customer

MegaLink[®] service furnished by the Company may be connected by the customer to another service or to other services furnished by the Company as specified in D.2. and 3. preceding. Connected services are subject to all rules and regulations governing the provisioning of those services.

- c. Connections to other services furnished by the Company to different customers

The customer may connect at the premises of the customer to another MegaLink[®] service or other services furnished by the Company to different customers as specified in D.2. and 3. preceding. Connected services are subject to all rules and regulations governing provisioning of those services.

- d. Connection of Channel Service Units

A Channel Service Unit (CSU) or appropriate Termination Equipment (TE) must be provided by the customer to connect a Company-provided digital facility. In accordance with Part 68 of the FCC's Rules and Regulations, new grandfathered CSU/TEs may be connected, moved, and reconnected until June 30, 1987. After this date only registered and previously connected grandfathered CSU/TEs may be connected to Company-provided digital facilities.

Grandfathered CSU/TE equipment must comply with the requirements outlined in the BellSouth Services Technical Reference 73525. This publication is now available from BellSouth Services Documentation Operations, North W5A1, 3535 Colonnade Parkway, Birmingham, Alabama 35243. Registered technical requirements for CSU/TEs are outlined in Part 68 of the FCC's Rules and Regulations. A copy may be obtained from the Federal Communications Commission, Room BB300, Washington, D. C. 20054.

E. Features

1. Clear Channel Capability

Note 1: Text is shown as new due to reissue of all Tariff Sections. No changes in rates or regulations were made with this filing.

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BY: Joseph P. Lacher, President -FL
Miami, Florida

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B7. DIGITAL NETWORK SERVICE

(T)

B7.1 MegaLink® Service (Cont'd)

B7.1.2 Regulations (Cont'd)

E. Features (Cont'd)

1. Clear Channel Capability (Cont'd)

- a. Clear Channel Capability (CCC) is an arrangement that alters a DS1/1.544 Mbps signal with unconstrained information bits, to meet pulse density requirements outlined in Technical Reference 73525. This will allow a customer to transport an all zero octet over a MegaLink® service channel providing an available combined maximum 1.536 Mbps data rate. This arrangement requires the customer signal at the channel interface to conform to Bipolar with 8 Zero Substitution (B8ZS) line code as described in Technical Reference 73525.
- b. CCC is provided on MegaLink® service channels between two customer designated premises, from a customer premises to their Serving Wire Center or Node Central Office and/or to a remote Serving Wire Center or Node Central Office, and from a Central Office to a Central Office, and is subject to the availability of facilities. This optional feature may be ordered at the same time the MegaLink® service channel is ordered, or it may be ordered as an additional feature of an existing MegaLink® service channel.
- c. When providing CCC via a DS3/44.736 Mbps High Capacity channel, that DS3 channel must be designated, in Company records, as having Clear Channel Capability prior to the provisioning of a DS1/1.544 Mbps High Capacity channel with CCC. Customers must agree to out-of-service periods required to add this feature to an existing MegaLink® service channel to be optioned for B8ZS.

F. Payment Arrangements and Credit Allowance

- 1. The minimum period for which MegaLink® service is furnished and for which charges are applicable is one month.
- 2. Suspension of service is not allowed.

B7.1.3 Rates and Charges

(T)

A. A Digital Local Channel is furnished between a Serving Wire Center and the customer's premises. Rates are based on the airline distance between the Serving Wire Center and the customer's premises.

1. Digital Local Channel, each^{1,2}

(T)

	Nonrecurring Charge	Month To Month	24 to 48 Months	49 to 72 Months	73 to 96 Months	USOC
(a) First 1/2 Mile	\$350.00	\$96.90	\$95.05	\$95.05	\$95.05	1LDPZ
(b) Each additional 1/2 Mile, or fraction thereof	-	44.00	43.00	41.00	39.00	1LDPA

Note 1: Contract lengths are flexible to allow customer choice of payment period per B2.4.9.

(T)

Note 2: MegaLink® ISDN service, specified in B107.5 of this Tariff references rates and charges for this rate element.

(T)

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BELLSOUTH
TELECOMMUNICATIONS, INC.
FLORIDA

PRIVATE LINE SERVICES TARIFF

First Revised Page 7
Cancels Original Page 7

ISSUED: October 21, 1996
BY: Joseph P. Lacher, President -FL
Miami, Florida

EFFECTIVE: November 5, 1996

B7. DIGITAL NETWORK SERVICE

B7.1 MegaLink® Service (Cont'd)

B7.1.3 Rates and Charges (Cont'd)

B. Interoffice Channels *are* furnished between Central Offices. Rates are based on the airline distance between Central Offices. (T)

1. Interoffice Channel, each channel 0-8 miles ^{1,2,3,4} (T)

	Nonrecurring Charge	Month To Month	24 to 48 Months	49 to 72 Months	73 to 96 Months	USOC
(a) Fixed Monthly Rate	\$100.00	\$64.35	\$59.75	\$59.75	\$59.75	1LNO1
(b) Each Airline Mile, or fraction thereof	-	29.80	24.25	22.35	20.50	1LNOA

2. Interoffice Channel, each channel 9-25 miles ^{1,2,3,4} (T)

(a) Fixed monthly rate	100.00	64.35	59.75	59.75	59.75	1LNO2
(b) Each airline mile or fraction thereof	-	27.95	22.35	20.50	18.65	1LNOB

3. Interoffice Channel, each channel over 25 miles ^{1,2,3,4} (T)

(a) Fixed monthly rate	100.00	64.35	59.75	59.75	59.75	1LNO3
(b) Each airline mile or fraction thereof	-	26.10	20.50	18.65	16.75	1LNOC

C. Clear Channel Capability is furnished on a per MegaLink® service channel basis.

1. Per MegaLink® service channel optioned as:

	Monthly Rate	Nonrecurring Charge		USOC
		Initial	Subsequent	
(a) Superframe Format (SF)	\$-	\$-	\$655.00	CCOSF
(b) Extended Superframe Format (ESF)	-	-	655.00	CCOEF

D. Move Charge

A move charge, per MegaLink® service channel, applies for each Digital Local Channel moved to a new location in the same building. This move charge is equal to the sum of the Digital Local Channel Nonrecurring Charge, Service Change Charge - Inside Moves, and Premises Visit Charge.

A move charge, per MegaLink® service channel under CSPP, applies for each MegaLink® service moved to a new location in Company territory within the same state. This move charge is equal to the sum of all nonrecurring charges applicable to a new MegaLink® service channel installation at the new location. (M)

Note 1: Contract lengths are flexible to allow customer choice of payment period per B2.4.9. (T)

Note 2: MegaLink® ISDN service, specified in B107.5 of this Tariff references rates and charges for this rate element. (T)

Note 3: MegaLink® Plus service, specified in B7.9 of this Tariff, references rates and charges for this rate element. (N)

Note 4: Refer to B3.3.3 of this Tariff for mileage measurement methodology.

Material appearing on this page previously appeared on page(s) 8 of this section.

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ISSUED: October 21, 1996
BY: Joseph P. Lacher, President -FL
Miami, Florida

EFFECTIVE: November 5, 1996

B7. DIGITAL NETWORK SERVICE (T)

B7.1 MegaLink® Service (Cont'd)

B7.1.3 Rates and Charges (Cont'd) (T)

E. Service Connection Charges (M)

1. Service Establishment Charges are applicable, for each MegaLink® service channel ordered, for receiving and recording information and/or taking action in connection with a customer's request, and processing the necessary data. These charges include engineering design, common centralized testing and coordination. (T)
2. Service Change Charges are applicable for receiving and recording information and/or taking action in connection with a customer's Inside Move or transfer of service responsibility request, for processing the necessary data on an existing MegaLink® service channel. A Service Change Charge is applicable for each MegaLink® service channel associated with the customer request (in lieu of a Service Establishment Charge). (T)
3. Premises Visit Charges are applicable, per Digital Local Channel, for the termination of a channel at a customer's premises or for inside moves. Only one Premises Visit Charge applies when more than one channel service of the same type is terminated or moved at the same premises at the same time.
4. Connection charges are applicable for the connection and testing of Digital Local Channels and/or Interoffice Channels. The charges applied are those nonrecurring charges contained in A. and B. preceding.
5. Charges for MegaLink® Service

a. Service Establishment Charge

- (1) Per MegaLink® Service Channel^{1,2,3} (T)

**Nonrecurring
Charge
\$575.00**

**USOC
MGLSE**

- (a) Each

b. Service Change Charge

- (1) Per MegaLink® Service Channel^{1,3} (T)

- (a) For Inside Moves, each

350.00

MGL1M

- (b) Per Transfers of Responsibility, each

350.00

MGLTR

c. Premises Visit Charge

- (1) Per Digital Local Channel or for an Inside Move (M)

- (a) Per Visit

40.00

MGLPV (M)

Note 1: Refer to B7.1.2.A.7 of this Tariff for description of MegaLink® service channels.

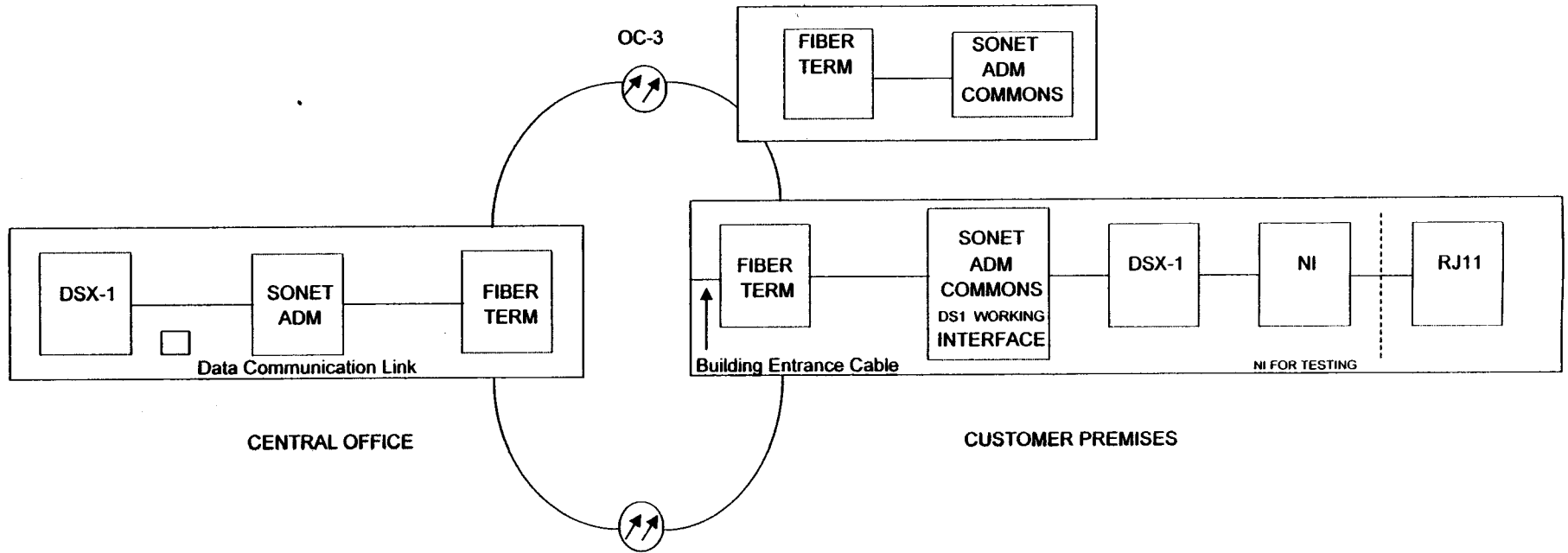
Note 2: This charge is applicable to additional stations subsequently installed in a building.

Note 3: MegaLink® ISDN service, specified in **B107.5** of this Tariff references rates and charges for this rate element. (T)

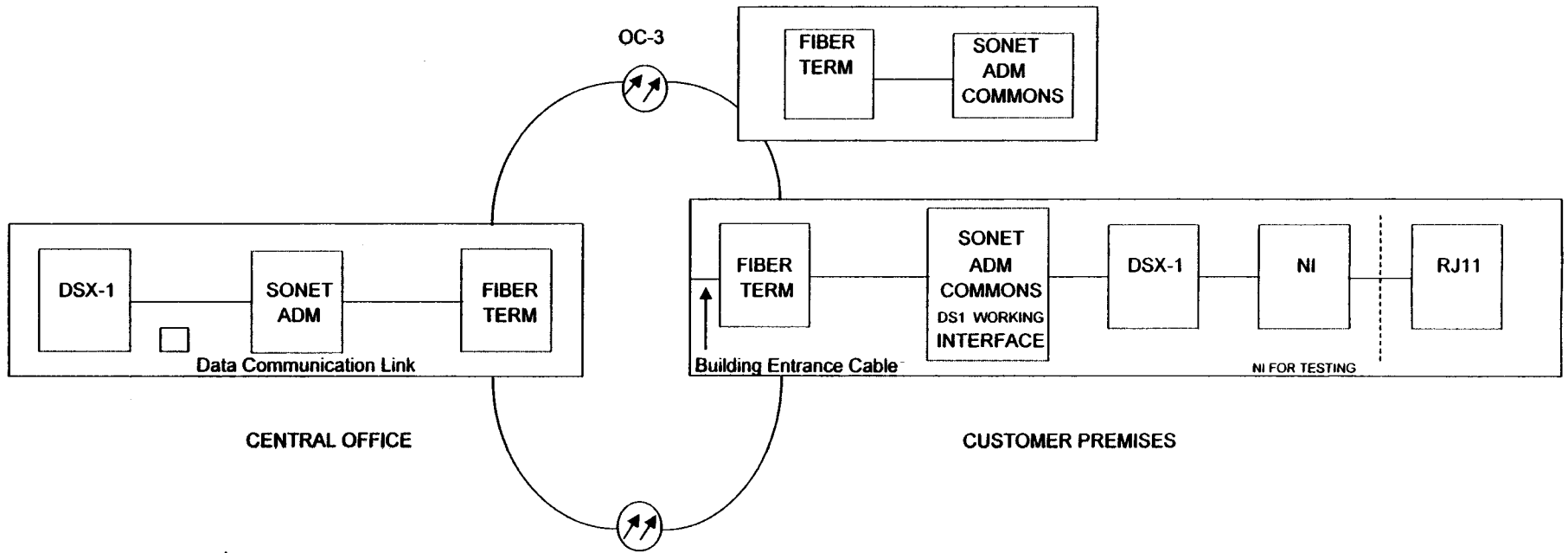
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Material appearing on this page previously appeared on page(s) 9 of this section.

®Registered Service Mark of BellSouth Corporation

MegaLink Local Channel

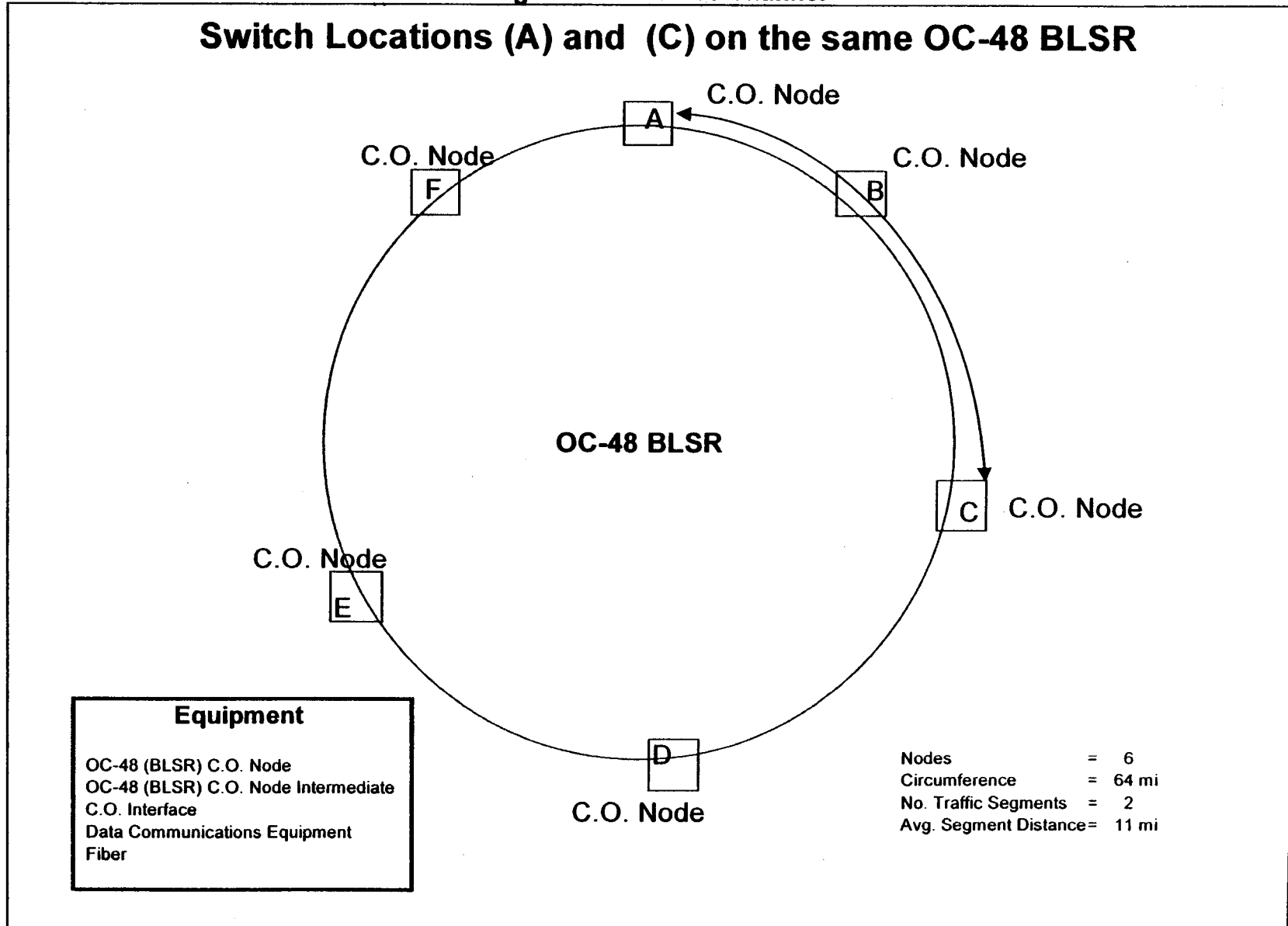


UNBUNDLED 4-WIRE DS1 DIGITAL GRADE LOOP



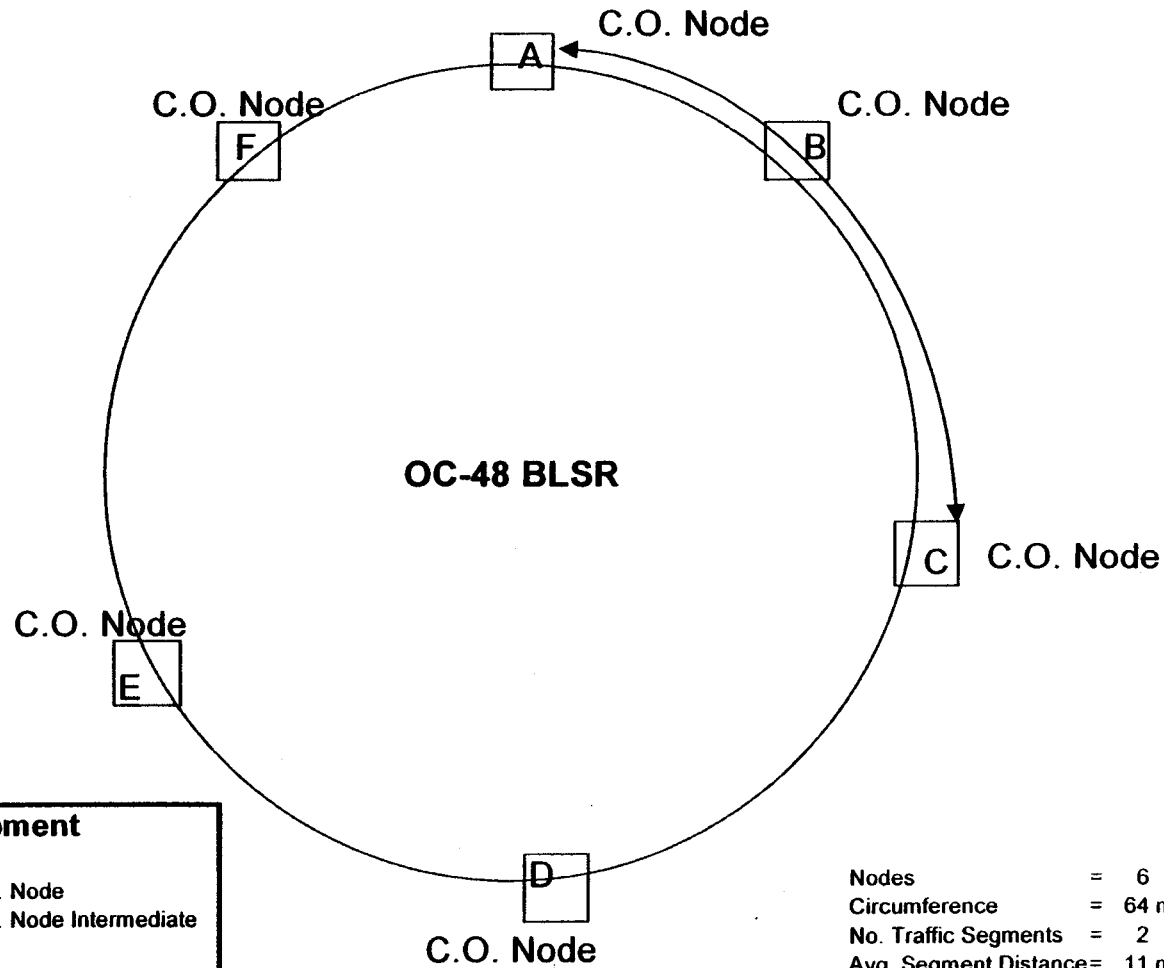
MegaLink Interoffice Channel

Switch Locations (A) and (C) on the same OC-48 BLSR



DS1 Dedicated Transport

Switch Locations (A) and (C) on the same OC-48 BLSR



Equipment	
OC-48 (BLSR) C.O. Node	
OC-48 (BLSR) C.O. Node Intermediate	
C.O. Interface	
Data Communications Equipment	
Fiber	

Nodes	=	6
Circumference	=	64 mi
No. Traffic Segments	=	2
Avg. Segment Distance	=	11 mi