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ORIGINAL

December 9, 1997

BY HAND DELIVERY

Ms. Blanca Bayo, Director
Division of Records and Reporting
Room 110, Easley Building
Florida Public Service Commission
2540 Shumard Oak Blvd.
Tallahassee, Florida 32399-0850

Re: Docket Nos. 960757-TP

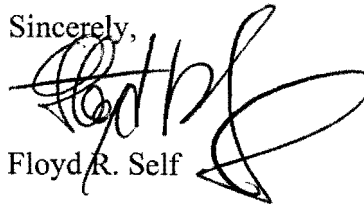
Dear Ms. Bayo:

Enclosed for filing are an original and fifteen copies of Rebuttal Testimony of David N. Porter on behalf of WorldCom, Inc. in the above-referenced docket.

Please acknowledge receipt of these documents by stamping the extra copy of this letter "filed" and returning the same to me.

Thank you for your assistance with this filing.

Sincerely,



Floyd R. Self

ACK _____

AFA _____

APP _____

CAF _____

CMU _____ ERS:amb

CTR _____ Enclosures

EAG _____ cc: Mr. Brian Sulmonetti
Parties of Record

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DOCUMENT NUMBER-DATE

12579 DEC-96

FPSC-RECORDS/REPORTING

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Petition by Metropolitan Fiber)
Systems of Florida, Inc. for arbitration)
with BellSouth Telecommunications, Inc.)
concerning interconnection rates, terms and) Docket No. 960757-TP
conditions, pursuant to the Federal)
Telecommunications Act of 1996)
_____)

In re: Petition by AT&T Communications)
of the Southern States, Inc. for arbitration)
of certain terms and conditions of a)
proposed agreement with BellSouth) Docket No. 960833-TP
Telecommunications, Inc. concerning)
interconnection and resale under the)
Telecommunications Act of 1996.)
_____)

In re: Petition by MCI Telecommunications)
Corporation and MCI Metro Access)
Transmission Services, Inc. for arbitration) Docket No. 960846-TP
of certain terms and conditions of a proposed) Served: December 9, 1997
agreement with BellSouth Telecommunications,)
Inc. concerning interconnection and resale under)
the Telecommunications Act of 1996.)
_____)

**REBUTTAL TESTIMONY OF DAVID N. PORTER
ON BEHALF OF
WORLD COM, INC.**

Dated: December 9, 1997

DOCUMENT NUMBER-DATE

12579 DEC-96

FPSC-RECORDS/REPORTING

1 **Q. PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.**

2 A. My name is David N. Porter. My business address is WorldCom, Inc.
3 ("WorldCom"), 1120 Connecticut Avenue, N.W., Suite 400, Washington,
4 D.C. 20036.

5 **Q. ARE YOU THE SAME DAVID PORTER WHO FILED DIRECT**
6 **TESTIMONY IN THIS CASE ON NOVEMBER 13, 1997.**

7 A. Yes.

8 **Q. WHAT IS THE PURPOSE OF YOUR REBUTTAL TESTIMONY?**

9 A. The purpose of my rebuttal testimony is to critique the new BellSouth
10 Telecommunications, Inc. ("BST") cost studies for ADSL/HDSL-
11 compatible loops and collocation filed November 13, 1997 with its direct
12 testimony in this phase of the case.

13 **Q. PLEASE SUMMARIZE YOUR OPINION ABOUT THOSE COST**
14 **STUDIES.**

15 A. I have two general comments. First, I believe that a large portion of the
16 costs included in BST's studies are outside the scope of the Commission's
17 inquiry and should be summarily disallowed. Second, I believe that the
18 nonrecurring charges for BST loops and all of the nonrecurring charges for
19 collocation are excessive and should be rejected.

20 BST has costed high speed digital loops and collocation at Total
21 Service Long Run Incremental Cost ("TSLRIC"), as this Commission has
22 ordered BST to do. BST went beyond this, however, and added to its

1 TSLRIC costs shared and common cost as well as a “residual recovery
2 requirement.” This is beyond what the Commission ordered BST to do.
3 In addition, BST’s distinct rates for manual and electronic ordering of loops
4 and some collocation elements are also improper. In my opinion, the
5 Commission should consider neither BST’s shared and common costs, nor
6 its separate embedded costs, nor its OSS charges.

7 With respect to the nonrecurring loop costs and the collocation
8 costs, I believe that they are excessive. As I stated in my direct testimony,
9 an efficient ILEC could only reasonably incur nonrecurring costs of
10 approximately \$19.50 for the first high speed digital loop and \$10.87 for
11 each additional loop. Yet BST asserts that its most recent studies that the
12 TSLRIC cost of electronically provisioning these loops are in the \$435-455
13 range. When BST adds in its alleged shared and common costs, embedded
14 costs, and charges for OSS, the total nonrecurring cost well exceeds \$600.
15 This is absurd.

16 As for the collocation costs, I stated in my direct testimony that
17 BST’s February 1997 collocation rates were excessive, especially since
18 BST agreed to significantly lower interim collocation rates with MFS only
19 one month prior. BST has just refiled its studies. They suffer the same
20 infirmity. They are as excessive and they include shared and common costs
21 which, as I have said, have no place here. The Commission should reject

1 the collocation nonrecurring cost studies in their entirety and should adopt
2 the rates that BST negotiated with MFS.

3 **Q. WHY DO YOU DISAGREE WITH BST'S ADDITION OF SHARED**
4 **AND COMMON COSTS TO ITS BASIC TSLRIC COSTS OF**
5 **PROVIDING LOOPS AND COLLOCATION?**

6 **A.** BST purports to perform a TSLRIC study, not a TELRIC study. In normal
7 usage, a TELRIC study may include an allocation of shared and common
8 costs — a TSLRIC study does not. By proposing to include such costs in
9 its TSLRIC analysis, BST is attempting to overstate the allowed costs
10 which the Commission will allow.

11 **Q. WHY DO YOU DISAGREE WITH BST'S ADDITION OF A**
12 **"RESIDUAL RECOVERY REQUIREMENT"?**

13 **A.** Because the Commission's orders do not permit it. Let me be clear from
14 the outset: BST's "residual recovery requirement" is a blatant attempt to
15 recover its embedded costs. In fact, the Commission has ruled that BST
16 may not do so. The Commission's ruling in MFS' arbitration case, Order
17 No. PSC-96-1531-FOF-TP, states that under the forward-looking TSLRIC
18 method, BST's studies are to consider the current architecture of the
19 network and future replacement technology. The Commission's ruling in
20 Docket No. 950984, Order No. PSC-96-811-FOF-TP is similar. The
21 Commission said nothing about permitting BST to recover its historical
22 costs. Indeed, if BST is permitted to recover its embedded costs,

1 unbundled elements will be priced in violation of this Commission's orders
2 and will be artificially high.

3 **Q. WHY DO YOU DISAGREE WITH BST'S INCLUSION OF OSS**
4 **CHARGES IN ITS COST STUDIES?**

5 **A.** For two reasons. First, the Commission has ordered BST to bear its own
6 OSS costs. Second, it is disingenuous for BST to attempt to cost OSS when
7 the Commission recently found that BST's OSS is not even operational at
8 this point.

9 In the AT&T and MCI arbitrations, Order No. PSC-96-1579-FOF-
10 TP, at 87, the Commission ruled that "each party shall bear its own cost of
11 developing and implementing electronic interface systems because those
12 systems will benefit all carriers." This ruling is consistent with that of the
13 Georgia Commission, which recent ruled that BST may not recover OSS
14 charges separately in that state. The ruling is also consistent with that of
15 the New York Commission, which recently ruled that Bell Atlantic may not
16 recover OSS development charges from competitors. In short, BST is
17 improperly attempting to recover OSS development costs from its
18 competitors.

19 In addition, the Commission recently ruled in BST's Section 271
20 case, Order No. PSC-97-1459-FOF-TP, that BST has not met its duty
21 under the Telecommunications Act to provide nondiscriminatory access to
22 its OSS functions. I simply do not see how BST can submit OSS costs to

1 this Commission to which it is not entitled and for functions that it is not
2 yet able to provide.

3 **Q. WHAT DO YOU FIND OBJECTIONABLE ABOUT BST'S OSS**
4 **CHARGES IF THEY ARE INCLUDED?**

5 **A.** I find it objectionable that BST is not passing on its efficiencies of
6 mechanization. In fact, BST marks up its nonrecurring loop rates three
7 ways. First, in the November 1997 nonrecurring cost study, pages 526,
8 532, and 538, BST assumes 100% dispatches for new loop orders. As I
9 stated in my direct testimony, I would expect an efficient ILEC to dispatch
10 technicians to provision only 10% of loop orders. Ninety percent of loops
11 can be provisioned with no technician time outside of the Central Office.
12 Second, BST charges \$11.00 per electronic order, and in addition charges
13 approximately \$40.00 more for electronic nonrecurring loop charges than
14 for corresponding manual nonrecurring loop charges. Third, nowhere in
15 this calculation do we find that BST discounts its nonrecurring loop charges
16 to account for productivity gains achieved through electronic ordering.
17 BST assumes that 100% of loops are ordered manually. BST passes on no
18 savings due to the efficiency of electronic ordering or provisioning loops
19 which do not require dispatching a technician.

20 **Q. WHAT NONRECURRING RATES DO YOU PROPOSE FOR HIGH**
21 **SPEED DIGITAL LOOPS?**

1 **A.** I propose those rates that I sponsored in my direct testimony. I believe that
2 the appropriate nonrecurring rates for an efficient ILEC are \$19.50 for the
3 first loop and \$10.87 for each additional loop. As I discussed in my direct
4 testimony, there should be no difference in cost to provision any of the
5 three kinds of high speed digital loops.

6 **Q.** **OF WHAT USE ARE ADSL/HDSL-COMPATIBLE LOOPS?**

7 **A.** These loops can be used to provide high speed data transmission.
8 ADSL/HDSL technology increases the efficiency of copper loops by
9 increasing their usable bandwidth. As a result, through use of a device
10 similar to a modem, customers can attain download speeds of 30-100 times
11 faster than 28.8 kbps modems, as well as simultaneous voice and data
12 capabilities over a single phone line.

13 These are exciting possibilities, especially for customers who have
14 been unable to get ISDN lines either because they are not available or too
15 expensive, or for customers for whom a T-1 line does not make sense. All
16 of this is possible over existing copper loops with virtually no additional
17 outside plant provisioning costs. WorldCom expects that there will be
18 great demand for these technologies because they are an inexpensive means
19 to provide higher speed access to the Internet.

20 **Q.** **IS THIS HIGH SPEED DIGITAL TRANSMISSION CAPABILITY**
21 **AVAILABLE NOW?**

1 **A.** Absolutely. WorldCom pioneered ADSL/HDSL technology, with an initial
2 trial in San Jose. BST is just now getting around to offering a trial in
3 Birmingham. Some of BST's promotional materials from its Worldwide
4 Web Home Page heralding its "FastAccess" ADSL trial are attached as
5 Exhibit ___ (DNP-3).

6 **Q.** **WHAT DOES BST CHARGE FOR ITS ADSL SERVICE?**

7 **A.** As noted in Exhibit ___ (DNP-3), in its Birmingham trial, BST offers
8 ADSL service to residential customers for \$20.00 per month and to
9 business customers for \$70.00 per month in addition to its basic monthly
10 rates. There are no nonrecurring charges. BST claims to provision a
11 digital circuit, provision any necessary inside wiring, and provide the
12 ADSL modem free of charge.

13 **Q.** **HOW DO THESE RATES COMPARE WITH THE COST-BASED**
14 **RATES BST PROPOSES TO CHARGE ALECS FOR LOOPS TO**
15 **PROVIDE THE SAME SERVICES.**

16 **A.** For the recurring rates, they compare reasonably well with BST's reported
17 TSLRIC cost of providing such loops to ALECs. As I discussed in my
18 direct testimony, there is virtually no circuit design, maintenance or testing
19 that BST must perform for an ALEC, because the ALEC performs these
20 functions for itself. Therefore, the \$20 per month rate appears to be a
21 realistic proxy for BST's wholesale cost plus expenses it may incur on

1 behalf of its residential or business retail customers. After all, a loop is a
2 loop, whether it serves an office or one's home.

3 For the nonrecurring rates, however, BST's retail ADSL rates serve
4 as a useful reality check. BST's November 1997 cost study reports a
5 \$435.95 or \$466.31 nonrecurring cost for 2-wire ADSL loops, depending
6 upon whether the order is processed electronically or manually. Add in
7 BST's shared and common costs and embedded costs, and the figure goes
8 up to \$621.78 or \$663.17. I doubt that BST would charge its customers
9 \$20 per month in its initial ADSL trial and then charge new customers a
10 \$600 set-up fee to initiate service. As I have opined, the recurring charge
11 is more on the order of \$19.50. I doubt that BST is absorbing \$600 per
12 customer in its ADSL trial. This would be an extraordinary promotional
13 offer even for BST. Rather, I believe they are only absorbing \$19.50 per
14 customer. This would be a more realistic figure. Of course, the BST
15 advertisement does not make clear whether BST is using the same pair for
16 ADSL as it uses to provide the customer's basic service. If it is using the
17 same pair, BST would appear to be recovering twice for the local loop. If
18 it is provisioning a second loop, it clearly identifies the maximum ongoing
19 retail cost of the loop -- since the ADSL gear, inside wiring and set-up
20 costs are all "free." In either event, it would seem to confirm WorldCom's
21 assertion that there is little or no cost difference for the loop and almost no
22 nonrecurring cost.

1 Despite BST's marketing for its ADSL service trial, its cost study
2 demonstrates that high speed digital services are effectively out of the price
3 reach of most consumers. Moreover, BST's cost studies demonstrate that,
4 due to the excessive costs associated with high speed digital loops, there
5 will be no competition for these services either. Florida consumers and the
6 public interest will lose as a result, because new and innovative
7 telecommunications services could be right around the corner, but for
8 BST's excessive costs of providing these services.

9 **Q. WHAT IS YOUR OPINION ABOUT BST'S NOVEMBER**
10 **COLLOCATION STUDY?**

11 **A.** In general, this study is similar to the one BST filed in MFS' arbitration
12 case in February except that it now includes the addition of shared and
13 common costs. As I stated in my direct testimony, these rates were
14 excessive as compared to interim rates BST negotiated only a month
15 earlier. As I have stated earlier in this rebuttal testimony, shared and
16 common costs have no place in TSLRIC study.

17 **Q. PLEASE SUMMARIZE YOUR TESTIMONY.**

18 **A.** If the Commission accepts BST's cost studies at face value, Florida local
19 exchange competition will be severely impaired. BST's attempts to recover
20 embedded costs, shared and common costs, and OSS charges (multiple
21 times) are improper. The nonrecurring costs BST proposes to charge its
22 competition for high speed digital loops are excessive and would force

1 competitors to price those services out of reach of most customers. BST's
2 trial pricing seems more accurately to reflect its true cost of providing the
3 elements its competitors require. BST's collocation costs are also excessive
4 as compared to interim rates it negotiated one month prior to filing its
5 initial TSLRIC collocation studies. The Commission should scrutinize
6 BST's cost studies carefully before setting prices for services which
7 represent the future of Florida telecommunications.

8 **Q. DOES THIS CONCLUDE YOUR TESTIMONY?**

9 **A. Yes.**

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BREAKING DOWN THE BARRIERS
BETWEEN YOU AND THE INTERNET

Introducing the BellSouth.netSM Internet service.



The faster, easier and more reliable way to get onto the Internet. Now available in select cities, with features you simply won't find on any other Internet service. Like the latest Netscape Navigator software and instant access to local information, such as movies, restaurants and special events. At BellSouth.net we know busy lines are not for busy people. Our network assures fast, reliable connections. You can access the Internet at higher speeds than ever before with K56flexTM* in select cities. Best of all, we can offer it all to you at a very competitive price.

Just click on one of the red dots to the right to find out more, and see how easy it is to sign up.

- [what you get](#) dot
- [what it costs](#) dot
- [take a look](#) dot
- [get it now](#) dot
- [job opportunities](#) dot
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*Actual connect speeds vary. K56flex is a trademark of Lucent Technologies Inc. and Rockwell International.

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DOCKET NO. 960757-TP,
960833-TP, AND 960846-TP
WITNESS: PORTER
EXHIBIT _____ (DNP-3)
PAGE 1 OF 22



The BellSouth.net service is currently available in...

- | | |
|-------------------------------------|-------------------------------|
| Athens, GA | Lexington, KY |
| Atlanta, GA 64K ISDN | Louisville, KY ISDN |
| Augusta, GA | Macon, GA |
| Baton Rouge, LA | Memphis, TN ISDN |
| Biloxi, MS | Miami, FL 64K ISDN |
| Birmingham, AL 64K ISDN ADSL | Mobile, AL |
| Boca Raton, FL | Montgomery, AL |
| Charleston, SC | Myrtle Beach, SC |
| Charlotte, NC ISDN | Nashville, TN 64K ISDN |
| Chattanooga, TN ISDN | New Orleans, LA ISDN |
| Columbia, SC | Orlando, FL 64K ISDN |
| Daytona Beach, FL | Owensboro, KY |
| Ft. Lauderdale, FL 64K ISDN | Panama City, FL |
| Gainesville, FL | Pensacola, FL |
| High Point, NC | Raleigh, NC ISDN |
| Huntsville, AL | Savannah, GA |
| Greensboro, NC | Shreveport, LA |
| Greenville, SC | Slidell, LA |
| Jackson, MS | Spartanburg, SC |
| Jacksonville, FL ISDN | W. Palm Beach, FL ISDN |
| Knoxville, TN | Wilmington, NC |
| Lafayette, LA | Winston-Salem, NC |

64K ISDN and K56flex* access coming soon to additional BellSouth.net cities. Check back often for the most current information. K56flex access should be available to most cities during 4th quarter 1997 and all cities before the end of 1st quarter 1998. ADSL is currently being tested by a limited number of BellSouth.net subscribers in the Birmingham, AL area. We expect to add cities throughout the Southeast over the coming months. Announcements related to additional cities will be made on this site as they become available.

*Actual connect speeds may vary.



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BELLSOUTH.net

→ **FEATURES** ←

INTERNET ACCESS

Commercial-grade network servers & routing	Reliability you can expect from BellSouth
ISDN	Single B-channel 64 kbps dialup ISDN available in select cities at no additional charge above the current dial-up pricing plans.
56K* Access	Access the Internet at higher speeds than ever before, with K56flex in select cities
State-of-the-art backup & recovery systems	High percentage of up time
Virtual local Intranet within each city	Content traveling locally on our system will get there faster and more reliably
E-mail	Communicate easily—e-mail software and a 3MB e-mail box is part of the service
Additional E-mail Boxes	Additional mailboxes are \$4.95 per box per month, with 3MB of space

SUBSCRIBER SUPPORT

24-hour-a-day Help Desk	Your service questions answered any hour of the day
800-number free call support	All service-related help is included, and you can call for help from anywhere—free
Help desk is equipped for rapid responses	Your call will usually get right through—no waiting on hold for hours
Help desk is staffed for relevant response	Calls go directly to specialists who know how to answer your Internet questions quickly and simply
Online help	Complete tutorial online plus quick-response to e-mail inquiries and feedback
Member services	Change your billing method, pick a new password, and more—account control at your fingertips

SOFTWARE

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 EXHIBIT _____ (DNP-3)
 PAGE 3 OF 22

Special Edition Netscape Browser

The world's most popular browser, with special features only from BellSouth.net



Local gateway to the Internet

Top sites in your town categorized and organized for easy access and no wasted clicks

Customizable Gateway

Add your personal touch--put your favorite links right on the BellSouth.net home page

Personal Web Page Space

Express yourself on the Net -- a 2MB space is just \$1.95 per month

Search & Directory Services localized

Special versions of HotBot Search and Yahoo! Directory services for subscribers plus easy access to others

Get anywhere quickly and easily

Search capabilities right on the home page

Internet Tutorials

Easy help for the new user

HotWired's Surf Tour

For users who want to get more out of their current experience--surf the Web with a pro from one of the top sites on the Net

Local content partners

Added-value provided through partnerships with leading local media companies

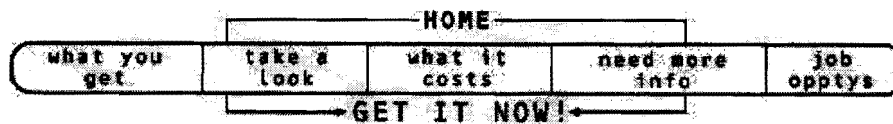
Newsgroups

Support for newsgroups including a guide to the best around

Electronic Yellow and White Pages

All the numbers you need online, including complete local Yellow and White pages plus other leading resources

*Actual connect speeds vary



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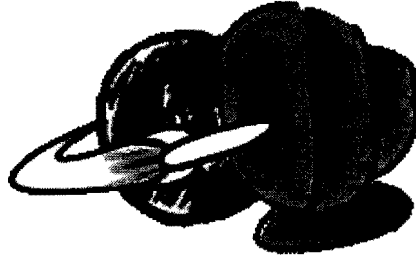
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EXHIBIT _____ (DNP-3)
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ADSL Trial Info.

BELLSOUTH.net

BellSouth FastAccess ADSL Birmingham Market Trial

Thank you for your interest in the Birmingham ADSL trial. On September 29, BellSouth will begin a trial using ADSL (Asymmetric Digital Subscriber Line) technology to deliver high-speed Internet access to customers. You could be one of the first in the BellSouth region to surf the Internet at 30-50 times the speed of a conventional 28.8Kbps modem. A limited number of BellSouth.net subscribers in the Birmingham area will be invited to participate in the trial.



During the trial, BellSouth will offer Residential-class FastAccess ADSL technology which will allow users to download information at speeds up to 1 megabit per second - 30 times faster than today's 28.8Kbps analog modems. BellSouth will also offer Business-class FastAccess ADSL service with download speeds of up to 1.5Mbps. Both classes of service will allow users to send data to the Internet or a corporate LAN at speeds up to 128Kbps.

Trial Service Elements

Monthly Usage Charges

In addition to their basic monthly telephone bill, Residential-class participants will be charged \$20.00 for FastAccess ADSL trial service on their BellSouth telephone bill and \$29.95 for unlimited BellSouth.net Internet access (some restrictions apply) for a total of \$49.95 per month. Business customers will be charged \$70 per month for Business-class FastAccess ADSL service and \$29.95 for unlimited BellSouth.net Internet access (some restrictions apply) for a total of \$99.95 per month.

You can participate in the 4 to 8 month trial regardless of your Internet experience level or knowledge of ADSL technology. Participating in the trial would not preclude you from dialing into the system conventionally. If you are traveling, you can still access BellSouth.net at regular speed from any of our usual dial-in locations.

Account Provisioning

BellSouth will provision a digital circuit from the local telephone switching office to your residence free of charge for trial participants.

Installation of Inside Wiring

The service can utilize your existing telephone line to deliver ADSL technology to your location. If additional inside wiring is required to connect the service, this wiring will be provided free of charge for trial participants.

ADSL Modem and Ethernet Card

An ADSL modem will connect the phone line to your PC via an Ethernet card. Both of these items are required for service and will be provided and installed free of charge for

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trial participants.

Installation and Configuration of Internet Access Software.

After the inside wiring and additional hardware is installed, an authorized BellSouth agent will install, configure and test your Internet access software free of charge for trial participants.

Trial Period

The trial is scheduled to begin on September 29, 1997 and last for a minimum of 4 months to a maximum of 8 months.

Apply for the ADSL Trial!

[Click here to apply for the BellSouth ADSL Trial!](#)

ADSL Questions? Send your questions or comments to ADSL@bellsouth.net

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EXHIBIT _____ (DNP-3)
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BellSouth Birmingham ADSL Trial Application

Thank you for your interest in the Birmingham ADSL trial. On September 29 BellSouth will begin a customer trial using new ADSL (Asymmetric Digital Subscriber Line) technology to deliver high-speed Internet access to customers and is inviting a limited number of BellSouth.net subscribers in the Birmingham area to participate in the testing. Testers of all experience levels are encouraged to participate.

If you are interested in participating in this exciting trial, please answer and submit all of the following questions:

Name

Postal Address

City

State

Zip Code -

Home Phone Number: () -

Daytime Phone Number: () -

E-mail Address

Your operating system

Processor

Amount of RAM

Amount of Free Hard Disk Space

Do you have an available slot for an Ethernet Card

Are you willing to respond to a monthly questionnaire regarding your ADSL experience?

Are you willing to pay the monthly trial charges? *

Which service plan would you most likely choose?

How did you hear about the ADSL trial?

*In addition to their basic monthly telephone bill, Residential-class participants will be charged \$20.00 for FastAccess ADSL trial service on their BellSouth telephone bill and \$29.95 for unlimited BellSouth.net Internet access (some restrictions apply) for a total of \$49.95 per month. Business customers will be charged \$70 per month for Business-class FastAccess ADSL service and \$29.95 for unlimited BellSouth.net Internet access (some restrictions apply) for a total of \$99.95 per month.

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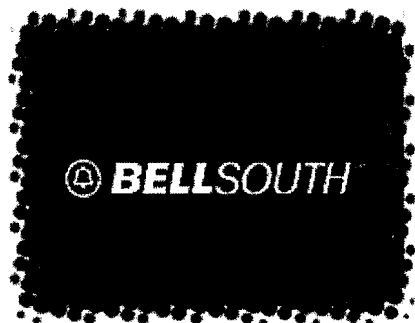
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BELLSOUTH FASTACCESS ADSL December 9, 1997

FASTACCESS

I N F O C U S




the FUTURE is NOW


Welcome to the future of high-speed communications. With the launch of this web site, BellSouth is proud to unveil a new product designed to revolutionize the way you interact online. Residences and businesses alike are already putting the Internet to work with the power of BellSouth FastAccessSM ISDN. Now we invite you to take a look at the next wave - FastAccess ADSL.

MORE


WHAT IS FASTACCESS ADSL?

 Much more than a high-speed connection to the Internet or corporate LAN, BellSouth FastAccess ADSL opens the door to new horizons and life like you've never experienced it. See how BellSouth FastAccess can help you.


HOW DOES ADSL STACK UP?

 ADSL is one of a growing number of choices for accessing the Internet and corporate networks. See why BellSouth FastAccess ADSL is better than the competition -- it's more than speed alone.

BUILD THE FUTURE

 BellSouth wants your input. Help us develop innovative products and services that best suit your needs -- please take our "Build the Future" survey so we can deliver the future the way you want it.

MISSION: BIRMINGHAM

 If you live in Birmingham, Alabama you could be one of the first in the BellSouth region to be surfing the Internet at 30 to 100 times the speed of a conventional dial-up connection, while simultaneously sending a fax or talking on the phone--without the need for an additional line!



WHAT IS FASTACCESS ADSL?

Are you ready?

We've all heard the hype about what the world will be like when everyone's got a fast connection to the wired world. Up-to-the-second information on any subject at our fingertips. Interactive entertainment beyond our wildest dreams on demand. The small world becoming smaller with every click of the mouse. Well, get ready, because the future is in plain sight. And it's called BellSouth FastAccess ADSL.

ADSL - 30 to 100 times the speed!

ADSL, short for Asymmetrical Digital Subscriber Line, is the clearest path to fully realizing the potential of online communications. And the wires are already in place. BellSouth FastAccess ADSL will expand your existing phone line because ADSL technology rides piggyback on top of your existing phone line (operating at a different frequency than voice conversations and today's lower-speed data traffic). FastAccess ADSL is capable of downloading information at speeds of up to several megabits per second (Mbps). Return transmission, or uploads, is at 128 kilobits per second (Kbps). That's 30 to 100 times the speed of a 28.8 modem on downloads, where you need it most.

During the Birmingham trial, various ADSL download speeds will be tested and customer satisfaction levels will be measured. Trial participants typically can expect download speeds of 1.0 Mbps for residential-class service, and 1.5 Mbps for business-class service.

And it gets better. You know all that time you spend waiting to establish your connection? Well spend it doing something else, because FastAccess ADSL gives you a constant connection to your destination. At the click of an icon, you're up and running. No waits, no busy signals.

You already know BellSouth for outstanding reliability and excellent customer service. In fact, for two years in a row, J.D. Power and Associates has singled out BellSouth for its commitment to serving you. We've been together for a long time. Now let us lead you into the future of FastAccess. Please choose from the links on the right to find out more about how FastAccess will change the way you interact with the rest of the world.

[ADSL Home](#) | [In Focus](#) | [What Is FastAccess ADSL?](#)
[How Does It Stack Up?](#) | [Build The Future Survey](#)
[Market Trial](#)

HOW CAN FASTACCESS HELP?

HOME

The Internet is poised to dramatically change the way we live... see how FastAccess ADSL will lead the revolution.

BUSINESS

Whether you're running a one-person shop or managing a small business, FastAccess ADSL will connect you to a world of opportunities.

TELECOMMUTING

Stay in your bathrobe... FastAccess ADSL will give you all the power of the office at home.

HOW DOES IT STACK UP?

FastAccess ADSL is the near future of high-speed communications with the capability of downloading information at speeds of up to several megabits per second (Mbps). ADSL will soon be available in many areas, delivering high levels of reliability and security using existing infrastructure and wiring.

Finding the best solution for your access needs comes down to more than speed alone. Click on the links below for a summary of some of the options available for accessing the Internet and corporate LANs from your home or small business:

With BellSouth FastAccess ADSL performing at just 1.0 Mbps, downloading a movie preview--a 3.75 Megabyte file--is a painless experience at only 30 seconds.



Time to Download a 3.75 Megabyte Video Clip	Min:Sec
<u>14.4 Dial-up</u>	35:33
<u>28.8 Dial-up</u>	17:47
<u>33.6 Dial-up</u>	15:14
<u>56k Dial-up</u>	09:09
<u>64k ISDN</u>	08:00
<u>128k ISDN</u>	04:00
<u>1.0 Mbps Cable Modem</u>	00:30
<u>1.0 Mbps ADSL</u>	00:30
<u>1.5 Mbps ADSL</u>	00:20

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[How Does It Stack Up?](#) | [Build The Future Survey](#)
[Market Trial](#)

***BUILD THE FUTURE OF HIGH-SPEED COMMUNICATIONS***

BellSouth is committed to you, our customers. As we gear up to roll-out FastAccess ADSL across the BellSouth calling area, we want your help. Please complete the brief survey below so we can deliver product and service pricing packages that best meet your needs (Note: this is not an online signup form for the Birmingham market trial. For more information on the Birmingham trial, [click here](#)).

How do you access the Internet today?

- 14.4k, 28.8k or 33.6k modem
- 56k modem
- ISDN
- T1 or higher
- other

How much time do you spend online each week?

- less than 5 hours
- between 5 and 10 hours
- between 10 and 20 hours
- between 20 and 40 hours
- more than 40 hours

Do you primarily access the Internet from:

- home
- work
- other

How satisfied are you with the content you find online?

- very satisfied
- somewhat satisfied
- neutral
- somewhat unsatisfied
- very unsatisfied

How satisfied are you with the speed of your connection?

- very satisfied
- somewhat satisfied
- neutral
- somewhat unsatisfied

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very unsatisfied

How satisfied are you with your Internet Service Provider?

- very satisfied
- somewhat satisfied
- neutral
- somewhat unsatisfied
- very unsatisfied

How interested are you in being able to easily use the Internet for the following "at home" activities?

- Shop online in a virtual store, complete with live models ▼
- View movie previews and purchase tickets on demand ▼
- Take a college course with interactive audio/visual instruction ▼
- Compete with others from around the world in immersive video games ▼
- View the latest motion pictures in your home on demand ▼

Hypothetically, would you be willing to spend \$80 per month for high-speed access to future evolutions of the online applications listed above?

- yes
- no

How interested would you be in being able to use the Internet for the following work-related activities?

- Real time video, news, financial reports, and electronic procurement ▼
- Point-to-point and multi-point video conferencing ▼
- Multimedia distance learning/remote training ▼
- High-speed access to Internet content ▼
- Telecommuting/remote access to local area network (LAN) ▼

Hypothetically, would you be willing to spend \$130 per month for high-speed access to future evolutions of the online applications listed above?

- yes

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no

Additional comments:

Are you interested in FastAccess ADSL if the service becomes available in your area?

yes

no

Name:

Company:
(if applicable)

Address 1:

Address 2:

City:

State:

Zip:

Phone:

Fax:

E-mail:

Add me to the FastAccess ADSL e-mail list so I can keep up with the latest information on FastAccess ADSL service from BellSouth.

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MISSION : BIRMINGHAM

Attention online pioneers: FastAccess ADSL will make its first appearance for select customers in Birmingham, AL starting in early October '97. For 192 customers in the 205 area code, high-speed access will have a new meaning. In exchange for being among the first in the BellSouth region to experience the power of ADSL, we will be soliciting feedback from these pioneers of FastAccess. Using the input we receive, we will soon be able to offer the absolute best in high-speed access solutions to a growing number of customers throughout the nine-state BellSouth region.



In order to participate in the trial you must meet minimum system requirements including already having a 100 MHz or faster Pentium-based processor, Windows 95 operating system, 16MB RAM, 20MB hard disk space available, and an available slot in your computer for an Ethernet card. For further information, please review [full requirements for trial eligibility](#).

If you live in Birmingham and are interested getting connected with ADSL, you may select from among the providers currently offering BellSouth FastAccess ADSL service.

BELLSOUTH.net

For information on BellSouth.net ADSL service, please [click here](#) or call 1-888-350-ADSL for more information.

WWISP.COM world web internet

For information on WWISP ADSL service, please [click here](#) or call 1-205-942-4700 for more information.

If you are not a Birmingham resident, you may still be able to get FastAccess from BellSouth. First, please [take our "Build the Future" survey](#) to get on the FastAccess ADSL mailing list. We will keep you informed on ADSL happenings in your area. Next, visit [Residential Services ISDN](#) or [Small Business ISDN](#) for information getting connected today with FastAccess ISDN.

[ADSL Home](#) | [In Focus](#) | [What Is FastAccess ADSL?](#)
[How Does It Stack Up?](#) | [Build The Future Survey](#)
[Market Trial](#)

AM I ELIGIBLE?

BellSouth's FastAccess ADSL Market Trial will be conducted in the following Birmingham area neighborhoods (Area Code 205):

Cahaba Heights

Telephone Prefixes
(first three digits of your phone number):
 298 970
 967 972
 968 977
 969

Homewood

Telephone Prefixes:
 414 870
 802 871
 803 877
 868 879

Riverchase

Telephone Prefixes:
 402 982
 403 985
 444 987
 560 988
 733

Valley

Telephone Prefixes:
 822 978
 823 979
 824



FASTACCESS IN FOCUS

ABOUT FASTACCESS IN FOCUS

Bookmark this site... FastAccess In Focus is a monthly feature article that will keep you informed on the issues surrounding high-speed communications, and the many ways in which your world might change as we move into 1998 and beyond. We look forward to helping you get the most out of your online experiences, and we hope you will stay tuned... This is going to be quite a ride!

[ADSL Home](#) | [In Focus](#) | [What Is FastAccess ADSL?](#) | [How Does It Stack Up?](#)
[Build The Future Survey](#) | [Market Trial](#)

RELATED LINKS

[ADSL Forum](#)

[ATM Forum](#)

[High Bandwidth](#)

[TeleChoice Reports](#)

IN FOCUS ARCHIVE

[About FastAccess In Focus](#)

[October 1, 1997 - BellSouth Is the First to Bring ADSL to the Southeast](#)

[October 1, 1997 - BellSouth FastAccess ADSL Gives New Meaning to Instant Internet Access](#)

[October 1, 1997 - BellSouth FastAccess ADSL Gives New Meaning to Instant Internet Access \(Birmingham Version\)](#)

[October 1, 1997 - BellSouth FastAccess ADSL Fact Sheet](#)

HOW CAN FASTACCESS HELP?**AT HOME**

We are on the brink of a revolution that will change our world forever. Our homes will become places where we work, shop, bank and receive our education by computer. We will entertain ourselves with a single screen that combines

television, radio, computer, VCR and CD player, with content of any kind available at a single command -- all on the Internet.



Our experiences with computers and the Internet will change from sometimes cumbersome interactions with machines to seamless

existence in a fully-wired, virtual world. In the past three years, we have seen the beginning of this revolution. Now, with the availability of super high-speed home access to the Internet, the digital future is at hand.

Imagine your morning routine... As you get ready to go out the door, you see and hear an up-to-the-second report on weather and traffic conditions for your upcoming commute. No more waiting for the local TV station to broadcast their report -- the information you need is at your command.

While that day may still be on the horizon, the Internet has evolved into a powerful medium with many applications that can enhance your life today. FastAccess ADSL from BellSouth will give you all the connection speed you'll need for your family to take full advantage of the Internet today and well into tomorrow.

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[How Does It Stack Up?](#) | [Build The Future Survey](#)
[Market Trial](#)

BOOKMARKS

Links to some of the best sites on the 'net. With ADSL, you'll be able to fully experience everything the Internet has to offer at top speed.

Arts & Humanities

[The Louvre](#)
[Museum of Modern Art](#)
[Salon Magazine](#)

Education & Reference

[BellSouth Real Yellow Pages](#)
[College Board Online](#)
[CollegeEdge](#)
[FinAid](#)
[Old Farmer's Almanac](#)
[Parent Soup](#)

Entertainment

[Blockbuster](#)
[Internet Movie Database](#)
[Internet Underground Music Archive](#)
[Paramount Pictures](#)
[Yahoo! Internet Life](#)

Money & Investing

[CNNfn](#)
[Fortune](#)

Recreation & Sports

[ESPN SportsZone](#)
[Great Outdoor Recreation Pages](#)
[Hometime](#)

Travel

[Travelocity](#)
[Microsoft Expedia](#)
[City.Net](#)
[MapQuest](#)

**HOW CAN FASTACCESS HELP?****YOUR BUSINESS**

FastAccess ADSL delivers to the small business customer what was previously only affordable to big business.

The explosive growth of Internet use has many small businesses believing that if they don't use it they may find themselves at a competitive disadvantage. To access information quickly or communicate with others faster can mean the difference between success or failure. Small businesses need information FAST! ADSL fundamentally changes your Internet experience. Whether it is downloading files in seconds versus minutes, viewing



high-resolution graphics or hosting your own Web site. BellSouth FastAccess ADSL delivers high bandwidth with data speeds at up to several megabits (Mbps) per second.

There are many ways small businesses can utilize higher bandwidth and faster data access to be more efficient and competitive. Some of the more important business applications for FastAccess ADSL include:

- High-speed Internet Access
- Remote Access to Local Area Networks (LANs)
- Remote Training
- Distance Learning
- Point-to-Point and Multi-Point Video Conferencing
- Electronic Data Interchange (EDI)
- Telemedicine

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[Market Trial](#)

BOOKMARKS

Links to some of the best sites on the 'net. With ADSL, you'll be able to fully experience everything the Internet has to offer at top speed.

Magazines and Newspapers
[BellSouth Small Business Services News Stand](#)
[Entrepreneur Magazine's Small Business Square Inc. Magazine](#)
[Your Small Office](#)

Money & Finance
[CNNfn](#)
[Fortune](#)
[MoneyHunter](#)

Small Business Resources
[American Express Small Business Exchange](#)
[BellSouth Real Yellow Pages Business Resource Center](#)
[NFIB Online](#)
[U.S. Small Business Administration](#)

Travel
[Travelocity](#)
[Microsoft Expedia](#)
[City.Net](#)
[MapQuest](#)

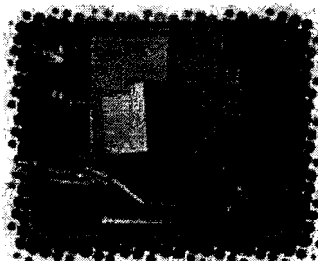
Web Tools
[Excite](#)
[HotBot](#)
[Yahoo!](#)



HOW CAN FASTACCESS HELP?

TELECOMMUTING

While Internet usage is growing at a phenomenal rate, telecommuting from remote locations to the office is growing even faster. For many professionals -- including researchers, sales representatives and computer programmers -- telecommuting offers unparalleled flexibility and control of setting your own schedule.



With BellSouth FastAccess ADSL, remote employees can connect to the company LAN with virtually the same speed as workers in the office.

Outside the constraints of the workplace, you can work on that big project for the boss in the wee hours of the morning (when your creativity may be at its peak), and be free to spend quality time with your kids in the afternoon. Telecommuting gives you the potential to be more productive for your employer and balance your work and personal life at the same time.

For employers, telecommuting makes perfect sense as well. The bottom line is that telecommuting can save companies a lot of money -- both by cutting down on the high costs of real estate and by increasing employee productivity. More than three-quarters of current telecommuters say they are more productive at home, largely due to fewer interruptions, according to a Telecommute America! survey.

In the same study, 49 percent of Fortune 1000 executives surveyed whose companies have telecommuting programs said their program was "somewhat advantageous to the company," while 43 percent said it was "very advantageous."

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[How Does It Stack Up?](#) | [Build The Future Survey](#)
[Market Trial](#)

BOOKMARKS

Links to some of the best sites on the 'net. With ADSL, you'll be able to fully experience everything the Internet has to offer at top speed.

Telecommuting Resources

[Business@Home](#)

[Cyberworkers](#)

[Telecommute America!](#)

[Telecommuting, Teleworking and Alternative Officing](#)

[Telecommuting & Home Office Exposition](#)

**FASTACCESS IN FOCUS**

PRESS RELEASE

October 1, 1997

BellSouth Is the First to Bring ADSL to the Southeast

Birmingham, Ala., Becomes Testing Ground for the Latest in High-speed, Around-the-clock Internet Access for Consumers and Businesses

ATLANTA - Responding to mounting customer demands for reliable, uninterrupted Internet access and faster downloads, BellSouth becomes the first company to conduct a residential and business trial of ADSL in the Southeast. The trial, which begins today in Birmingham, Ala., puts this BellSouth service squarely ahead of competing Internet access technologies such as cable modems and 56 kilobit modems.

BellSouth FastAccessSM ADSL, or asymmetrical digital subscriber line, answers consumer demands for simultaneous voice and data on a single telephone line. This is particularly important in light of growing trends in home computer use. With more than 35 million PCs already in U.S. homes and 20 million of them linked to the Internet, ADSL has significant revenue potential in the consumer market.

Building upon both its telecommunications network and its success in Internet access service, BellSouth is offering customers the opportunity to evaluate the most advanced technology in high-speed Internet access. The company is inviting residential and business customers in four Birmingham-area communities to participate in this groundbreaking trial, scheduled to take place through May 29, 1998. BellSouth plans to offer the service in approximately 30 markets by the end of 1998.

"This trial of BellSouth FastAccess ADSL is indicative of BellSouth's strong commitment to deliver time-saving, cost-effective high-speed data services to our customers," said Charlie Coe, group president, customer operations. "Through BellSouth FastAccess ADSL, Web surfers will have immediate access to late-breaking news, travel reservations, stock quotes, movie and restaurant listings, on-line directories and e-mail. Because the service is always 'on-line,' there's no more waiting for dial-up modems to connect, and no more busy signals. Telecommuters can access their companies' data networks or intranets as fast as if they were sitting in the office. In the future, businesses that host their own Web sites will benefit from uninterrupted access because BellSouth FastAccess ADSL will keep their virtual store fronts open 24 hours a day."

Because ADSL can be deployed rapidly and selectively in the existing infrastructure, BellSouth believes successful completion of this trial will position the company to maintain its leadership in the highly competitive communications industry. The company already faces competition from cable companies and long distance companies as they attempt to offer local telecommunications and Internet access services.

BellSouth FastAccess ADSL is a high-speed transmission technology delivered over ordinary telephone lines. This technology is capable of downloading information at speeds of up to several megabits per second. Return transmission is 128 kilobits per second. The download speeds are 30 - 100 times faster than the ordinary 28.8 kilobits-per-second modem.

During this eight-month period, BellSouth is providing installation and ADSL modems, network interfaces and voice/data splitters at no charge. The monthly fee for the residential BellSouth FastAccess ADSL feature is \$20.00, in addition to normal monthly telephone service charges. Internet service provider charges will also apply. Business customers will pay higher prices for additional capabilities.

Initial participants will use BellSouth.netSM service for their Internet access during the course of the trial. However, BellSouth FastAccess ADSL is being made available to other ISPs who are expected to participate in

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the future. For the trial, BellSouth.net service will provide unlimited BellSouth Fast Access ADSL Internet connectivity for \$29.95 a month. BellSouth.net's standard dial access service remains \$19.95 per month when customers connect using regular phone lines. These prices include BellSouth's charges for connection to its local Internet gateway service and the Global Service Provider charges for connection to the global Internet. Customers can have BellSouth.net service billed to their BellSouth telephone bill or charged to their credit card. BellSouth.net will also provide ADSL trial customers with free Netscape (tm) browser software in both Windows '95 and Windows NT versions, electronic mail and access to Help Desk service 24 hours a day, seven days a week.

John Robinson, president of BellSouth.net Inc. said, "You can only realize the full benefits of BellSouth FastAccess ADSL if your Internet service provider allows for ADSL connection to the Internet. BellSouth is aggressively pursuing this new high-speed Internet access as a part of our core strategy - to continually grow our capabilities as our customers' needs grow. Our involvement in the ADSL trial is an example of our commitment to bring the fastest and most reliable Internet services to our customers. You can count on BellSouth to deploy next generation Internet technology."

BellSouth (NYSE:BLS) is a \$19 billion communications services company. It provides telecommunications, wireless communications, Internet access, directory advertising and publishing and other information services to more than 28 million customers in 20 countries worldwide. Its telephone operations provide service 24 hours a day, 365 days a year, over one of the most modern telecommunications networks in the world for nearly 23 million telephone lines in nine-states: Alabama, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina and Tennessee. The BellSouth Website is located at <http://www.bellsouth.com>.

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**FASTACCESS IN FOCUS**

PRESS RELEASE

October 1, 1997

**BellSouth FastAccess ADSL Gives
New Meaning to Instant Internet Access***Birmingham Becomes Testing Ground for the Latest in
High-speed, Uninterrupted Internet Access for Consumers and
Businesses*

ATLANTA - It's every Web surfer's dream: lightning-fast Internet access with continuous, reliable connections. BellSouth is one step closer to making that dream a reality with today's introduction of its BellSouth® FastAccessSM ADSL service trial in Birmingham. BellSouth FastAccess ADSL keeps residential and business customers connected to the Internet around the clock using their existing phone lines and provides virtually instant downloads.

To give typical customers the opportunity to evaluate the most advanced technology in high-speed Internet access, BellSouth is inviting residential and business customers in several Birmingham-area communities - including Cahaba Heights and parts of Homewood, Mountain Brook, Vestavia Hills, Hoover, Riverchase and northern Shelby County - to participate in this groundbreaking trial, scheduled to take place through May 29, 1998.

"This trial of BellSouth FastAccess ADSL is indicative of BellSouth's strong commitment to deliver time-saving, cost-effective, high-speed data services to our customers," said Charlie Coe, group president, customer operations. "Through BellSouth FastAccess ADSL, Web surfers will have immediate access to late-breaking news, travel reservations, stock quotes, movie and restaurant listings, on-line directories and e-mail. Because the service is always 'on-line,' there's no more waiting for dial-up modems to connect, and no more busy signals. Telecommuters can access their companies' data networks or intranets as fast as if they were sitting in the office."

That's just what customers can do today. In the future, uninterrupted connections will help businesses that host their own Web sites keep their virtual store fronts open 24 hours a day. In addition, BellSouth FastAccess ADSL frees the line so customers can chat on the phone while surfing the Internet. They also can fax documents from a Web site without saving them to their hard drive first. And the new service doesn't interfere with other calling features such as Caller ID or Call Waiting. If for some reason the ADSL service is interrupted, regular phone service is unaffected.

ADSL, or asymmetrical digital subscriber line, is a transmission technology for ordinary telephone lines. This technology is capable of downloading information at speeds of up to several megabits per second. Return transmission is 128 kilobits per second. The download speeds are 30 - 100 times faster than the ordinary 28.8 kilobits-per-second modem.

During this eight-month period, BellSouth is providing installation and ADSL modems, network interfaces and voice/data splitters to the trial customers at no charge. The monthly fee for the residential BellSouth FastAccess ADSL feature is \$20.00, in addition to normal monthly telephone service charges. Internet service provider charges will also apply. Business customers will pay higher prices for additional capabilities.

Initial participants will use BellSouth.netSM service for their Internet access during the course of the trial. However, BellSouth FastAccess ADSL is being made available to other ISPs who are expected to participate in the future. For the trial, BellSouth.net service will provide unlimited ADSL Internet connectivity for \$29.95 a month. BellSouth.net's standard dial access service remains \$19.95 per month when customers connect using regular phone lines. These prices include BellSouth's charges for connection to its local Internet gateway service and the Global Service Provider charges for connection to the global Internet. Customers can have

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Southeast](#)[October 1, 1997 - BellSouth
FastAccess ADSL Gives New
Meaning to Instant Internet
Access](#)[October 1, 1997 - BellSouth
FastAccess ADSL Gives New
Meaning to Instant Internet
Access \(Birmingham Version\)](#)[October 1, 1997 - BellSouth
FastAccess ADSL Fact Sheet](#)

BellSouth.net service billed to their BellSouth telephone bill or charged to their credit card.

BellSouth.net will also provide ADSL trial customers with free Netscape™ browser software in both Windows '95 and Windows NT versions, no sign-up charges, electronic mail and free access to expert Help Desk service 24 hours a day, seven days a week.

John Robinson, president of BellSouth.net Inc. said, "You can only realize the full benefits of BellSouth FastAccess ADSL if your Internet service provider supports ADSL connection to the Internet. BellSouth is aggressively pursuing this new high-speed Internet access as a part of our core strategy - to continually grow our capabilities as our customers' needs grow. Our involvement in the ADSL trial is an example of our commitment to bring the fastest and most reliable Internet services to our customers. You can count on BellSouth to deploy next generation Internet technology."

Trial participants must have a computer with at least a 100 megahertz Pentium processor, operating system, a minimum of 16 megabytes of RAM, a minimum of 20 megabytes of free hard drive space, and an available slot for an Ethernet card. To participate in the BellSouth FastAccess ADSL experience, volunteers may sign-up through the BellSouth FastAccess ADSL Web site starting Wednesday, October 1, 1997, at www.bellsouth.com/fastaccess/adsl. Eligible participants will be notified via e-mail.

BellSouth (NYSE:BLS) is a \$19 billion communications services company. It provides telecommunications, wireless communications, Internet access, directory advertising and publishing and other information services to more than 28 million customers in 20 countries worldwide. Its telephone operations provide service 24 hours a day, 365 days a year, over one of the most modern telecommunications networks in the world for nearly 23 million telephone lines in a nine-state region that includes Alabama, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina and Tennessee. The BellSouth Web site is located at <http://www.bellsouth.com>.

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CERTIFICATE OF SERVICE

I HEREBY CERTIFY that true and correct copies of Rebuttal Testimony of David N. Porter on behalf of WorldCom, Inc. in Docket No. 960757-TP have been served upon the following parties by Hand Delivery (*) and/or U. S. Mail this 9th day of December, 1997.

Monica Barone, Esq.*
Division of Legal Services, Room 370
Florida Public Service Commission
2540 Shumard Oak Blvd.
Tallahassee, FL 32399-0850

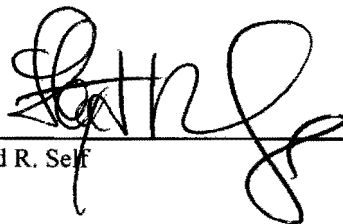
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Floyd R. Self