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BELLSOUTH TELECOMMUNICATIONS, INC.
DIRECT TESTIMONY OF WILEY (JERRY) G. LATHAM
BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION
DOCKET NO. 960786-TL
MAY 31, 2001

Q. PLEASE STATE YOUR NAME AND YOUR JOB RESPONSIBILITIES.

A. My name is Jerry Latham. I am the Project Manager for Unbundled Loops within the Interconnection Services unit of BellSouth Telecommunications, Inc. ("BellSouth"). I am responsible for Product Development and Product Management for unbundled loops and other unbundled network elements in BellSouth's nine-state territory.

Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY?

A. The purpose of this testimony is to partially address Issue 5 by explaining the nondiscriminatory processes and procedures through which Competitive Local Exchange Companies (CLECs) pre-order and order BellSouth's xDSL-capable (Digital Subscriber Line) loops. I will identify the attributes of BellSouth xDSL-capable loops and describe the process through which CLECs order and BellSouth provisions xDSL-capable loops. I will also demonstrate that these processes provide CLECs a meaningful opportunity to compete in the DSL market place.

1 **Issue 5:** In Order PSC-97-1459-FOF-TL, issued November 19, 1997, the
2 Commission found that BellSouth met the requirements of Section
3 271 (c)(2)(B)(IV) of the Telecommunications Act of 1996. Does
4 BellSouth currently provide unbundled local loop transmission
5 between the central office and the customer's premises from local
6 switching or other services, pursuant to Section 271 (c)(2)(B)(IV) and
7 applicable rules and orders promulgated by the FCC?

8 (a) Does BellSouth currently provide all currently required forms
9 of unbundled loops?

10 (b) Has BellSouth satisfied other associated requirements, if
11 any, for this item?

12

13 **UNBUNDLED xDSL AND IDSL CAPABLE LOOPS**

14

15 Q. WOULD YOU GIVE A GENERAL DESCRIPTION OF THE VARIOUS
16 TYPES OF DSL LOOPS OFFERED BY BELLSOUTH?

17

18 A. The viability of DSL services is dependent, in part, on the end user's
19 distance from his serving wire center (SWC), as well as the length,
20 gauge, and status of the copper that serves that customer. To
21 compensate for these parameters, BellSouth offers CLECs a variety of
22 unbundled loops that may support DSL services from the CLEC to its
23 end user customers. The loops are known as "ADSL¹ Capable loop,"

24

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¹ ADSL stands for Asymmetrical Digital Subscriber Loop.

1 "HDSL² Capable loop," "ISDN loop," "Unbundled Digital Channel
2 (UDC)," "Unbundled Copper Loop (UCL), Short and Long" and
3 "Unbundled Copper Loop – Non Designed" (UCL-ND).

4

5 Q. WHICH OF THE XDSL LOOPS OFFERED BY BELLSOUTH ARE THE
6 MOST VERSATILE?

7

8 A. The most versatile of BellSouth's xDSL-capable loops are the
9 Unbundled Copper Loops-Short and Long ("UCL"). These loops were
10 designed to meet CLEC requests for a basic copper loop.

11

12 Q. PLEASE DESCRIBE THE UCL LOOPS OFFERED BY BELLSOUTH.

13 A. Unbundled Copper Loop (UCL) - Short - The UCL-Short is a 2-wire or
14 4-wire loop that provides a non-loaded or "clean" copper pair to an end
15 user using the Resistance Design (RD) industry standard. Under the
16 RD standard, these loops may be up to 18,000 feet long and may have
17 up to 6,000 feet of bridged tap ("BT") exclusive of the loop length. In
18 other words, a UCL-Short loop can be 18,000 feet long and have up to
19 6,000 feet of BT. BellSouth cannot guarantee that CLEC-provisioned
20 DSL service will function properly over the UCL-Short loop, as the
21 physical characteristics (length and BT) may be inconsistent with the
22 maximum distance for many DSL services and equipment. BellSouth
23 will, however, verify that these loops have no more than 1300 ohms of

24

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² HDSL stands for High Bit Rate Digital Subscriber Line.

1 resistance, electrical continuity, and balance relative to the tip-and-ring,
2 and will maintain them to these requirements.

3

4 BellSouth developed the UCL-Short in direct response to CLEC
5 requests for an unbundled loop with the same specifications that
6 BellSouth uses for its own wholesale ADSL service. This loop meets
7 those criteria. The UCL-Short has been available to CLECs since the
8 second quarter 2000.

9

10 Unbundled Copper Loop (UCL) - Long - The UCL-Long is a 2-wire or
11 4-wire copper loop that is longer than 18,000 feet. This loop was
12 developed in response to CLEC requests, as well as the UNE Remand
13 Order's directive that ILECs should provide xDSL-capable loops
14 *wherever* requested by the CLEC.³ Normal telephony standards
15 dictate that all copper loops exceeding 18,000 feet in length must be
16 loaded to properly service dial-tone or POTS type customers.
17 Therefore, in almost all cases, a CLEC seeking to provide functioning
18 DSL service will need, in addition, to place an order for "loop
19 conditioning" - BellSouth's Unbundled Loop Modifications (ULM)
20 product - to remove the load coils and/or BT from these loops in order
21 to transform them into "dry" or "clean" copper loops. The CLEC would
22 pay the ULM costs separate from the cost of the loop itself.

23

24

25 ³ *In the Matter of Implementation of the Local Competition Provisions of the
Telecommunications Act of 1996*, Third Report and Order and Fourth Notice of Proposed
Rulemaking, Docket No. 96-98, 15 FCC Rcd 3696, at 3783-3784, ¶191 (1999).

1 By the end of April 2001, BellSouth had received orders for and
2 deployed 10,337 UCL Short and Long loops region-wide and 2,511 in
3 Florida.

4
5 Q. WHAT OTHER TYPES OF XDSL LOOPS ARE OFFERED BY
6 BELLSOUTH?

7
8 A. In addition to the UCL-Short and Long, BellSouth offers CLECs four
9 other xDSL-capable loops: ADSL-capable loop; HDSL-capable loop;
10 ISDN-capable loop; and Universal Digital Channel ("UDC") loop.

11
12 Q. CAN YOU BRIEFLY DESCRIBE THE HISTORY OF THE
13 DEVELOPMENT OF THESE OTHER TYPES OF LOOPS?

14
15 A. Yes. BellSouth developed two of these xDSL-Capable loop offerings,
16 the HDSL-capable loop and the ADSL-capable loop, in direct response
17 to the FCC's *Local Competition Order*. That Order defined loops to
18 include "two-wire and four-wire analog voice-grade loops, and two-wire
19 and four-wire loops that are conditioned to transmit the digital signals
20 needed to provide services such as ADSL, HDSL and DS1-level
21 signals."⁴

22
23 Q. PLEASE DESCRIBE THE HDSL AND ADSL LOOPS.

24
25 ⁴ *Implementation of the Local Competition Provisions in the Telecommunications Act of 1996*,
First Report and Order, ¶ 380, 11 FCC Rcd 15499, ¶380 (1996).

1

2 A. HDSL-Capable Loop – For technological reasons, high-speed DSL
3 services work best on short, clean-copper loops. BellSouth’s HDSL-
4 capable loop meets these requirements. BellSouth screens HDSL-
5 capable loops to ensure that they meet stringent industry standards for
6 Carrier Serving Area (CSA) transmission specifications to better
7 support DSL services. Under these strict technical standards, the end
8 user must be served by non-loaded copper and the loop typically
9 cannot be more than 12,000 feet long. If 26-gauge copper is used, the
10 limit is 9,000 feet or less. HDSL-Capable loops may have up to 2,500 ft
11 of BT, and 850 ohms or less of resistance.

12

13 The HDSL-capable loop has been available to CLECs since fourth
14 quarter 1996. By the end of April 2001, BellSouth had deployed 457
15 HDSL-capable loops region-wide, of which 108 are in Florida.

16

17 ADSL-Capable Loops – Originally, the ADSL loop offering was set to
18 the same CSA criteria as the HDSL-capable loop. In response to
19 CLEC requests, however, and with the establishment of industry
20 guidelines for loop types that support ADSL service, BellSouth modified
21 the design criteria for the ADSL-capable loop in the first quarter 2000 to
22 the Revised Resistance Design (RRD) standards. RRD standards
23 require a non-loaded copper loop, up to 18,000 feet in length, with up
24 to 6,000 ft of BT inclusive of loop length, and 1300 ohms or resistance.
25 “Inclusive of loop length” means that for every foot of BT, the loop

1 length is reduced by an equal amount. Therefore, a RRD loop that has
2 4,000 ft of BT could be no longer than 14,000 ft.

3

4 This loop has been available to CLECs since fourth quarter 1996. By
5 the end of April 2001, BellSouth had provided CLECs 13,261 ADSL-
6 capable loops region-wide, of which 4,525 are in Florida.

7

8 Q. PLEASE DESCRIBE HOW BELLSOUTH CAME TO DEVELOP THE
9 ISDN-CAPABLE AND UDC LOOPS.

10

11 A. As with the ADSL and HDSL loops mentioned above, the ISDN-
12 capable loop was developed in response to the release of the *Local*
13 *Competition Order*. However, as described below, the ISDN loop is not
14 always suitable for Integrated Digital Subscriber Line (IDSL) services.
15 Therefore, the CLECs requested that BellSouth provide a loop that
16 could support the hybrid form of DSL service known as IDSL. In
17 response to these requests, BellSouth developed the UDC loop.

18

19 Q. PLEASE DESCRIBE THE ISDN-CAPABLE AND UDC LOOPS.

20

21 A. ISDN-Capable Loops – While not intended for xDSL use, ISDN-
22 capable loops may be used to support the DSL service known as IDSL.
23 BellSouth provisions its ISDN-capable loops according to applicable
24 industry standards (i.e., ANSI), which means they may be provisioned
25 over copper or via a Digital Loop Carrier (DLC) system. These loops

1 are free of load coils, but are not referred to as "clean copper loops"
2 because they may be provisioned via DLC systems that are completely
3 compatible with ISDN service, but not most xDSL services.

4
5 Q. PLEASE DESCRIBE UDC LOOPS.

6
7 A. UDC Loops - As recognized by the FCC, not all ISDN loops are
8 completely compatible with IDSL service. Because of this, BellSouth
9 developed the UDC loop, which was introduced on May 31, 2000. This
10 loop is identical to the ISDN loop, but is provisioned in a manner that
11 supports "data-only" ISDN, which will better meet the needs of CLECs
12 who want to deploy IDSL. This loop has been available to CLECs
13 since June 1, 2000. By the end of April 2001, BellSouth had provided
14 CLECs 6,988 UDC loops region-wide, of which 3,000 are in Florida.

15
16 Q. IS BELL SOUTH DEVELOPING ANY OTHER TYPE OF XDSL LOOP?

17
18 A. Yes. At the request of CLECs, BellSouth has developed another xDSL-
19 capable loop. This loop is known as the Unbundled Copper Loop –
20 Non Designed (UCL-ND). It is a non-loaded copper loop that generally
21 has 1300 ohms or less of resistance and does not have a specific
22 length limitation. The length is driven by many factors but is generally
23 less than 18,000 feet long. This loop does not go through the "design"
24 process. Therefore, it does not have a remote access test point and
25 does not come standard with a Design Layout Record (DLR). This loop

1 was developed to respond to the CLECs' desire for an xDSL loop with
2 a lower non-recurring cost.

3

4 Q. WHY DOES BELLSOUTH OFFER SO MANY TYPES OF XDSL
5 LOOPS?

6

7 A. To understand why BellSouth offers a variety of xDSL loops, one need
8 only review the history of xDSL-capable loops. BellSouth has
9 developed this variety of xDSL loop types in direct response to CLEC
10 requests as well as the evolving scope of its obligations under
11 applicable FCC rules and regulations. As described above, BellSouth
12 first developed the HDSL and ADSL-capable loops to comply with the
13 obligations stated in the *Local Competition Order*. Once developed,
14 these loops were included in CLEC interconnection agreements. In the
15 months following the release of the *Local Competition Order*, BellSouth
16 developed several additional xDSL loop offerings at the request of
17 CLECs operating within BellSouth's region. Again, BellSouth's
18 obligation to provision these loops was memorialized in various
19 interconnection agreements. These continuing contractual obligations
20 for all of the loop types make it impossible for BellSouth to discontinue
21 any xDSL loop; rather, as BellSouth develops new product offerings,
22 BellSouth simply adds to the list of options from which the CLEC can
23 choose.

24

25 The benefit to the CLECs of this historical growth of offerings is that

1 CLECs have a variety of loop types from which they can choose to best
2 meet their technical needs in providing telecommunications services to
3 its customers for the least cost. The fact that BellSouth offers different
4 loop types, however, does not in any way restrict a CLEC's ability to
5 offer any particular type of xDSL service it may desire over any loop in
6 BellSouth's network. Indeed, the only restrictions that limit a CLEC's
7 choice of DSL technologies are those established by industry standards
8 bodies to ensure the integrity of voice service.

9

10 Q. HAS BELL SOUTH ENTERED INTO INTERCONNECTION
11 AGREEMENTS WITH FACILITIES-BASED CLECS THROUGH
12 WHICH IT IS PROVIDING THESE XDSL CAPABLE LOOPS?

13

14 A. Yes. BellSouth has entered into interconnection agreements with
15 facilities-based carriers in Florida to provide each of the loops
16 described above, with the exception of the UCL-ND, which is currently
17 being negotiated with several CLECs. See e.g. Interconnection
18 Agreement between BellSouth and Covad, approved by the Florida
19 Commission on February 18, 1999, Att. 2.

20

21 Q. WHERE CAN YOU FIND MORE INFORMATION ON THESE TYPES
22 OF LOOPS?

23

24 A. Additional information about all of BellSouth's xDSL loops can be
25 viewed in Exhibits 1 through 5 to my testimony and on BellSouth's

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internet web site at:

"www.interconnection.bellsouth.com/products/unec.html".

Q. CAN YOU SUMMARIZE THE TYPES OF AVAILABLE LOOPS AND THEIR CHARACTERISTICS?

A. Yes. The HDSL capable loop (using CSA standards) will provide clean copper pairs to customers up to 12,000 feet from the Central Office (CO).

The ADSL capable loop (using RRD standards) and the UCL-Short (using RD standards) will provide clean copper pairs to customers up to 18,000 feet from the CO (using different criteria for BT).

The UCL-Long, in conjunction with the ULM conditioning product, allows CLECs to serve customers beyond 18,000 feet from the CO using clean copper pairs.

The ISDN and UDC capable loops will give the CLEC the option of providing IDSL service to any customer even if that customer does not have clean copper pairs available at their address.

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LOOP TYPE	UDL – HDSL	UDL – ADSL	UCL Short	UCL Long	UCL - ND	ISDNIUDC
Max loop length	12 kft	18 kft	18 kft	Unlimited	Undefined (generally 18kft)	18 kft (Copper) No limit (DLC)
Max total bridge tap	2.5 kft inclusive	6 kft inclusive	6 kft exclusive	12 kft exclusive	6 kft exclusive	6 kft inclusive
Longest single Bridge tap	2.0 kft	6 kft	6 kft	6 kft	6 kft	6 kft
Max Resistance in Ohms	850	1300	1300	2800	1300	1300 (copper)
Max Loss (per 73600)	35db@100KHz	42db@40KHz	46db@40KHz	N/A	Varies (Similar to UCL-Short)	42db@40KHz
Service Inquiry Required	Yes	Yes	Yes	Yes	No	No
Number of wires	2 or 4 wire	2 wire	2 or 4 wire	2 or 4 wire	2 wire	2 wire

The chart above shows the technical specifications for each of BellSouth's xDSL-capable loops. BellSouth developed each of these loops, to the extent possible, in accordance with industry standard physical characteristics and specifications. Application of these standards allows BellSouth to provision, maintain and repair these loops efficiently while retaining network integrity for all of BellSouth's services, including non-DSL services. If, however, a CLEC wants other, non-standard loop types, BellSouth will work cooperatively with the CLEC to develop these through our interconnection agreement negotiation sessions (as we have done for the UCL-Short) or through the Bona Fide Request (BFR) process.

PRE-ORDERING OF XDSL-CAPABLE LOOPS

1 Q. WOULD YOU PLEASE DEFINE AND DESCRIBE LOOP MAKE-UP
2 INFORMATION?

3

4 A. "Loop make-up information" ("LMU") refers to the detailed information
5 regarding a given loop's physical characteristics that an interested
6 CLEC can use to determine the feasibility of provisioning xDSL service
7 to a particular end user customer. This information includes: loop
8 length, wire gauge, loop medium (copper or fiber), and information
9 regarding any bridged tap, load coil, or repeaters present on the loop.
10 Through the manual processes discussed in this testimony, BellSouth
11 provides CLECs access to all of the loop makeup information available
12 to BellSouth personnel.

13

14 BellSouth has developed a loop qualification process that enables a
15 CLEC to access loop make-up information via manual or electronic
16 interfaces. Manual loop qualification is available when BellSouth's
17 electronic records do not have LMU about a particular loop. With this
18 information in hand, CLECs can determine whether and what type of
19 xDSL service can be provisioned over the loop facilities that serve their
20 prospective customers. The process for providing loop make-up
21 information on a manual basis is described below.

22

23 Q. WHAT IS THE PROCESS FOR OBTAINING LOOP MAKE-UP
24 INFORMATION MANUALLY?

25

1 A. The manual loop make-up process is as follows: the CLEC initiates the
2 manual loop make-up process by submitting a request for loop make-
3 up information either to its account team (AT) or the Complex Resale
4 Support Group (CRSG). A copy of the form provided to CLECs for
5 their use in ordering is attached as Exhibit 4 to my Testimony. The
6 CRSG/AT forwards the request to the appropriate Service Advocacy
7 Center (SAC) depending upon the end user's address. The SAC will
8 physically look through BellSouth's Central Office (CO) records to
9 gather the loop make-up information. The SAC sends the loop make-
10 up information, which includes information such as the length and
11 gauge of cable, number of load coils (LC), and the length and gauge of
12 BT, back to the CRSG/AT. The CRSG/AT sends the loop make-up
13 information to the CLEC, who is then in a position to determine
14 whether, and what type of, xDSL services it can offer over the available
15 facilities.

16
17 If the CLEC makes the decision to provide service using the facility but
18 needs to have the loop conditioned, it can use BellSouth's Unbundled
19 Loop Modification (ULM) process in order to modify any existing loop to
20 be compatible with each CLEC's particular hardware requirements.
21 The ULM process conditions the loop by the removal of any devices
22 that may diminish the capability of the loop to deliver high-speed
23 switched wireline capability, including xDSL service. Such devices
24 include, but are not limited to load coils, bridged taps, low pass filters,
25 and range extenders. The ULM offering provides for removal of

1 equipment on loops equal to or less than 18,000 feet, as well as loops
2 that are longer than 18,000 feet. These devices are placed on copper
3 loops to enhance the voice characteristics when provided on long
4 copper facilities or to otherwise comply with standards for other
5 services such as PBX trunks. The CLEC may select the level of line
6 conditioning it desires and will be required to pay only for the level of
7 conditioning it selects. BellSouth will provide line conditioning on a
8 CLEC request for unbundled loops, whether or not BellSouth offers
9 advanced services to the end-user customer on that loop. BellSouth
10 has established cost-based rates for the ULM offering.

11

12

13

14 **ORDERING OF XDSL-CAPABLE LOOPS**

15

16 Q. PLEASE DESCRIBE THE MANUAL AND ELECTRONIC ORDERING
17 PROCESSES FOR XDSL CAPABLE LOOPS.

18

19 A. The manual ordering process for xDSL and IDSL capable loops is
20 virtually identical to the manual ordering processes and procedures for
21 other loop types.

22

23 BellSouth's electronic pre-ordering and ordering interfaces have been
24 enhanced to provide electronic access to loop makeup information and
25 electronic ordering of ADSL-capable loops, HDSL-capable loops, and

1 UCLs.

2

3 **PROVISIONING AND TESTING OF XDSL-CAPABLE LOOPS**

4

5 Q. WHAT INTERVALS HAVE BEEN ESTABLISHED FOR THE
6 PROVISIONING OF XDSL CAPABLE LOOPS?

7

8 A. BellSouth has established intervals for the provisioning of DSL loops
9 and supporting services. The provisioning interval for the xDSL loop is
10 7 business days. The interval for manual Loop-Make Up is 3 business
11 days.

12

13

14 Due to the widely varied configurations for loop deployment, BellSouth
15 has established target intervals for loop conditioning on the following
16 basis:

17 Removal of 1 – 3 intervening devices

18 Aerial Plant = 10 days

19 Buried Plant = 15 days.

20 Underground Plant = 30 days

21

22 Q. WHAT TYPES OF TESTING ARE PERFORMED ON UNE LOOPS,
23 INCLUDING XDSL CAPABLE LOOPS?

24

25 A. During the installation of UNE loops, BellSouth performs tests

1 necessary to ensure that the loop being provisioned meets the
2 specifications for the loop type ordered by the CLEC. In addition,
3 BellSouth has agreed to provide Additional Cooperative Acceptance
4 Testing. This cooperative testing provides the CLECs with a means to
5 test loops beyond those tests that BellSouth normally performs during
6 the provisioning process.

7
8 In addition, through the negotiation of interconnection agreements,
9 BellSouth and the CLECs have established joint provisioning
10 procedures for xDSL loops. See Interconnection Agreement between
11 BellSouth and Covad, approved by the Florida Commission
12 February 18, 1999, Att. 2, § 2. These joint procedures allow BellSouth
13 and the CLEC to be actively involved in the testing and provisioning of
14 UNE loops throughout the provisioning process. This helps ensure that
15 the circuit works properly for the CLEC's intended service from the first
16 day that the circuit is activated to the end user.

17
18 So far as it is technically feasible, BellSouth will perform a broad range
19 of tests on conditioned loops for all of the line's features, functions and
20 capabilities, and does not limit its testing to voice-grade tests.

21

22 **SPECTRUM MANAGEMENT**

23

24 Q. PLEASE DESCRIBE SPECTRUM MANAGEMENT.

25

1 A. CLECs are free to provide any telecommunications service they choose
2 on any unbundled loop, as long as that service does not negatively
3 impact other services and providers. BellSouth's TR73600 document
4 and other industry standards for Power Spectral Density masks, once
5 established, will help control these negative impacts and allow multiple
6 carriers' services to co-exist harmoniously. BellSouth provides CLECs
7 access to TR73600 via BellSouth's internet website. It should be
8 noted, however, that BellSouth cannot be expected to guarantee a
9 CLEC's service will work on loops not intended for a particular service.
10 For example, a CLEC may order a voice-grade loop and attempt to put
11 some type of high-speed data service on that loop. If that service
12 works (without disrupting other services), then all is well. If not,
13 BellSouth can only maintain and repair the circuit as a voice-grade line
14 (i.e., the type of loop ordered). Of course, the CLEC would have the
15 option to replace the voice grade line with an xDSL-capable loop, and
16 could use the ULM product to condition the loop to support the CLEC's
17 chosen service.

18
19 Currently, efforts are underway at the national level to adopt standards
20 that minimize the potential for interference when loops adjacent to one
21 another in a binder group are used to provide divergent technologies
22 (e.g., ADSL and HDSL). National standards bodies are working
23 towards establishing industry consensus on how best to accommodate
24 xDSL-based services on a wireline network originally designed to carry
25 voice transmissions. BellSouth strongly supports this effort and is

1 involved in the national standards bodies working on these issues.

2

3 Q. DOES THIS CONCLUDE YOUR TESTIMONY?

4

5 A. Yes.

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EXHIBIT WGL-1

BellSouth Unbundled Digital Loops

BellSouth Unbundled Digital Loops

Service Description

The UDL will be a dedicated digital transmission facility from BST's MDF to a customer's premises. This facility will allow the end user to send and receive traffic that utilize technologies like ISDN; Enhanced Electronic (EE) capabilities such as HDSL/ADSL; and high capacity services such as DS-1 when the loop is connected to the proper packet/circuit switch. This facility will include a Network Interface Device (NID) at the customer's location for the purpose of connecting the loop to the customer's inside wire. The UDLs can be configured as 2-wire ISDN (2W/I); 2-wire UDC (2W/UDC); 2-wire ADSL-capable; 4-wire DS1 & ISDN (4W/DI); 2-wire HDSL capable; 4-wire HDSL capable facilities & 4-wire DS0 level loops. It should be noted that on the xDSL-capable loops that BST does not provide the Enhanced Electronics such as the DSLAM.

Features and Benefits

UDL will be a designed circuit and BST will provide a Design Layout Record (DLR). BST will issue a Firm Order Confirmation ("FOC") within 48 hours after receipt of the valid LSR and a DLR to the ordering party within 5 business days after the FOC, upon review of and in response to the ordering party's LSR, to begin the provisioning process.

BST will perform these repair functions during normal work hours (e.g. 8 am to 5 pm local time). If the CLEC requests that BST repair a trouble after normal working hours, the CLEC will be billed the appropriate overtime charges associated with this type request.

For all UDLs, except the 2W-UDC, BST will perform order coordination (OC) activities associated with an existing circuit that requires a coordinated conversion. In these cases, BST will coordinate the "turn-up" of the new circuit; the use of Remote Call Forwarding (if needed); and disconnect orders in order to minimize the disruption of an existing circuit. BST will not perform these activities on new circuits that do not require a coordinated conversion.

Performance Standards

Digital Loops may be provided via metallic facilities, DLC, or both. The insertion loss of the metallic facility, measured at 28 kHz between 135 ohm terminations, shall be less than 40 db.

The UDL-4W/D0 is offered in three performance levels: 19.2K and below; 56K and 64K. The CLEC must specify on the LSR which type of 4W/D0 that is to be utilized so that the loop criteria can be properly aligned with the intended service.

The interface at the CLEC is a 4-wire interface, described as a DS0A interface in Bellcore TA-TSY-000077, Digital Channel Banks- Requirements for Dataport Channel Unit Functions.

Basic Rate Access ISDN and UDC loops may be provided via metallic facilities, DLC, or both. The insertion loss of the metallic facility, measured at 40 kHz, shall be less than 42 db. No dc specifications are supported. ISDN loops provisioned via copper will support IDSL service, however, some ISDN loops provisioned via DLC will not. Therefore, if the CLEC wants to ensure IDSL service, the UDC loop must be

ordered to ensure proper configuration when DLCs are employed.

UDC loops are ISDN loops that are configured for data only applications such as IDSL, etc.. They may be provisioned over copper, and in some cases may be provisioned through a DLC system.

BST will ensure that UDC loops are provisioned on compatible slots within DLC systems to ensure data compatibility. UDC loops are intended to support a CLEC's IDSL service but is not guaranteed to do so.

The interface at both the CLEC and the Network Interface is a 2W interface as defined in ANSI T1.601-1992, ISDN Basic Access Interface for use on Metallic Loops for Applications on the Network Side of the NT.

Asymmetric Digital Subscriber Line (ADSL) Metallic Interface is a 2W-ADSL (sometimes called a 2W-EE) consisting of metallic facilities only. These facilities will be provided with no DLC, load coils or repeaters. These loops will conform to the RRD guidelines as described in Committee T1 Technical Report No. 28 Bit Rate performance on these loops are dependent upon the Customer Premises Equipment (CPE), therefore, BST does not guarantee a particular bit rate associated with these loops.

High-bit rate Digital Subscriber Lines (HDSL) is a transport technology that can be either 2 or 4 wire circuits and are ordered as 2W/HDSL or 4W/HDSL (sometimes called 2W-EE or 4W-EE). The loop facility consists of only metallic facilities and will be provisioned according to CSA guidelines as described in Committee T1 Technical Report No. 28. These loops typically will be less than 9000 feet in length (including no

more than 2,500 ft. of bridged tap/end section). Bit Rate performance on these loops are dependent upon the Customer Premises Equipment (CPE), therefore, BST does not guarantee a particular bit rate associated with these loops.

The signal applied at either interface shall meet the following specifications:

- The average signal power shall not exceed +15.0 dBm across 100 Ω .
- The Power Spectral Density shall not exceed -38 dBm/Hz from 0 Hz to 196 kHz, -89 dB/decade attenuation from -38 dBm/Hz at 196 kHz to -118 dBm/Hz at 1.96 MHz, and -118 dBm/Hz above 1.96 MHz. This requirement shall be met when measured with a 100 Ω termination.

The HDSL loop facilities consist of only metallic facilities meeting CSA design guidelines as documented in Committee T1 Technical Report No. 28. The dc resistance of a single wire pair should not exceed 850 Ω .

Ordering Process

UDL are ordered via an LSR, which is issued through the LCSC.

Where facilities are available, BST will install 1 to 5 UDLs, except 2W-ISDN and 2W-UDC, within a 5-7 business days interval. The 2W-ISDN and 2W-UDC loops will have a 12 business day provisioning interval (for 1 to 5 loops) to accommodate for their unique needs such as the appropriate DLC plugs.

For more information regarding this product, please contact your account team representative

EXHIBIT WGL-2

Unbundled Asymmetrical Digital Subscriber Line (ADSL)
Compatible Loop

And

Unbundled High Bit Rate Digital Subscriber Line (HDSL)
Compatible Loop

CLEC Information Package

BellSouth Unbundled ADSL/HDSL Compatible Loops

***Unbundled Asymmetrical Digital Subscriber Line (ADSL) Compatible
Loop***

and

***Unbundled High-Bit-Rate Digital Subscriber Line (HDSL) Compatible
Loop***

***CLEC
Information Package***

(Version 4)

BellSouth Unbundled ADSL/HDSL Compatible Loops

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BellSouth Unbundled ADSL/HDSL Compatible Loops

Introduction & Scope

This Product Information Package is intended to provide to CLECs a product description and general ordering information specific to the UNE described herein. Detailed ordering guidelines are provided in documents located on the BellSouth Interconnection Web site.

The information contained in this document is subject to change. BellSouth will provide notification of changes to the document through the CLEC Notification Process.

Please contact your BellSouth Account Manager, if you have any questions about the information contained herein.

BellSouth Unbundled ADSL/HDSL Compatible Loops

Revisions

Version 4

- 1) Page 1 – “Version 4” replaces “Version 3”.
- 2) **Footnote** on each page – date changed from “8/25/00” to “10/13/00” and “Version 3” changed to “Version 4”.
- 3) **Service Order Requirements** section – *LSR form sub-section*:
 - Added “Project” under the **LSR Field**
 - Under the “**Information Required**” column added “If Unbundled Loop Modification is ordered, populate with the following:
 - ULMMLC – for Load Coil removal
 - ULMBT – for Bridge Tap removal
 - ULMBTLC – for Load Coil and Bridge Tap removal”

Version 3

- 1) Page 1 – “Version 3” replaces “Version 2”.
- 2) **Footnote** on each page – date changed from 7/25/00 to 8/25/00 and Version 2 changed to Version 3.
- 3) **Service Capabilities** section, first paragraph, second sentence – replaced “DLSAM” with “DSLAM”.
- 4) **Technical Requirements** section, **ADSL compatible loop** sub-section, first paragraph, second sentence – reference to Committee T1 Technical Report No. 28 changed to Bellcore SR-TSV-002275.
- 5) **Network Configuration** section – replaced “BST” with “BellSouth”.
- 6) **Service Order Requirements** section:
 - *LSR form sub-section* – first paragraph, deleted Ordering and Billing Forum (OBF) guidelines reference and replace with **BellSouth Ordering Guide for CLECs** (Local Service Ordering Guidelines, version 2 (LSOGv2)) or the **BellSouth Business Rules for Local Ordering** (Local Service Ordering Guidelines, version 4 (LSOGv4)).
 - *LSR form sub-section* – first paragraph, deleted last sentence
 - *Service Inquiry (SI) form sub-section* – added first sentence – “A Service Inquiry is required, dependent on the ordering scenarios described in the **Ordering & Provisioning**

BellSouth Unbundled ADSL/HDSL Compatible Loops

section, for ordering an ADSL/HDSL compatible loop.”

- 7) **Service Inquiry Form** – added “click here to download” under the heading **Service Inquiry Form** which allows the CLEC to download the SI to a usable format for CLEC preparation.
- 8) Added an **Acronyms** section.

BellSouth Unbundled ADSL/HDSL Compatible Loops

Revisions (continued)

Version 2

- 1) The version 1 **Ordering and Provisioning** section was replaced with a new **Ordering and Provisioning** section that contains three ordering scenarios.
- 2) The **Rate Elements and USOCs** section was updated to reflect description changes in the existing elements and to add new elements:

Old Element	New Description/Element
2 Wire Unbundled ADSL Compatible Loop	2 Wire Unbundled ADSL compatible loop, includes manual service inquiry and facility reservation
NA	2 Wire Unbundled ADSL compatible loop, without manual service inquiry and facility reservation
2 Wire Unbundled HDSL Compatible Loop	2 Wire Unbundled HDSL compatible loop, includes manual service inquiry and facility reservation
NA	2 Wire Unbundled HDSL compatible loop, without manual service inquiry and facility reservation
4 Wire Unbundled HDSL Compatible Loop	4 Wire Unbundled HDSL compatible loop, includes manual service inquiry and facility reservation
NA	4 Wire Unbundled HDSL compatible loop, without manual service inquiry and facility reservation

- 3) In the **Service Order Requirements** section, additional clarification provided on "NCI at CLEC" codes format and a note added for 4 Wire HDSL:

"0" is a numeric zero character

Orders for 4 Wire HDSL must include two CLEC cable and pairs on the LSR

- 4) Old **Service Inquiry (SI) Form** (revised: 2/29/00) and **SI Preparation** replaced with new **Service Inquiry** (revised: 7/21/00) and **Instructions for Preparing Service Inquiry**.

BellSouth Unbundled ADSL/HDSL Compatible Loops

Service Description

The Unbundled Asymmetrical Digital Subscriber Line (ADSL) or the High Bit Rate Digital Subscriber Line (HDSL) compatible loop is a dedicated digital transmission facility from BellSouth's Main Distribution Frame (MDF) to an end-user's premises. These loops will allow the end user to send and receive traffic that utilize the Enhanced Electronic (EE) capabilities for HDSL or ADSL when the loop is connected to the CLEC's appropriate equipment. The loop facility will include a Network Interface Device (NID) or equivalent demarcation point at the end-user's location for the purpose of connecting the loop to the customer's inside wire.

BellSouth offers the following:

- 2 Wire ADSL compatible loop
- 2 Wire HDSL compatible loop
- 4 Wire HDSL compatible loop

Service Capabilities

BellSouth will only provide the loop facilities with these offerings. BellSouth does not provide the Enhanced Electronics such as the Digital Subscriber Line Access Multiplexer (DSLAM) or any other electronics with the unbundled ADSL or HDSL compatible loops.

The ADSL/HDSL compatible loops will be designed circuits and are provisioned with test points. BellSouth will provide a Design Layout Record (DLR).

BellSouth will perform installation testing (other than switch-based) that is needed to ensure the loop meets the specifications of **BellSouth's Technical Reference 73600 (TR73600)**.

BellSouth will perform order coordination (OC) activities associated with Number Portability and/or disconnect orders. OC is intended to convert an existing customer to a new local service provider using the ADSL/HDSL compatible loops in a manner that minimizes the end-user's dial-tone interruption. BellSouth will notify the CLEC of the appropriate conversion time and will then perform the work within the negotiated interval.

If the CLEC requests work after normal working hours, overtime rates will apply for work outside of 8:00 a.m. to 5:00 p.m. local time.

If the CLEC's end user has existing service with BellSouth that utilizes a digital quality loop, and wants to change local service providers, BellSouth will attempt to reuse the end user's existing loop.

BellSouth Unbundled ADSL/HDSL Compatible Loops

Technical Requirements

ADSL compatible loop

The ADSL compatible loop is a two wire metallic facility only. If the loop is available, it will be provided with no Digital Loop Carrier (DLC), load coils or repeaters. These loops will conform to the Revised Resistance Design (RRD) guidelines for non-loaded facilities as described in Bellcore SR-TSV-002275. The loop facility will consist of a loop 18kft or less which may include 6kft of bridge tap with a resistance of 1300 ohms or less if the loop is available.

Where the loop facility does not meet ADSL compatible loop specifications and it is determined that the loop can be modified to meet these specifications, the CLEC may request BellSouth's Unbundled Loop Modification (ULM). In these situations and as a chargeable option, BellSouth will use the ULM process to modify the loop facility to ADSL compatible loop specifications. Additionally, the ULM product can be utilized to remove any bridged tap sections as requested by the CLEC. The rates for ULM are in addition to the ADSL loop rate.

BellSouth does not guarantee a particular bit rate associated with these loops. The transmission and bit rate speed of ADSL type services is dependent on the CLEC's equipment.

ADSL compatible loops will meet the parameters specified in **BellSouth TR73600**.

HDSL compatible loop

High-bit rate Digital Subscriber Line (HDSL) is a transport technology that can utilize a 2 or 4 Wire circuit. The HDSL compatible loop can be ordered as a 2 Wire or 4 Wire HDSL compatible loop. The loop facility consists of only metallic facilities and will be provisioned according to CSA guidelines as described in Committee T1 Technical Report No. 28. These loops include no more than 2500 feet of bridge tap/end section with a resistance of 850 ohms or less.

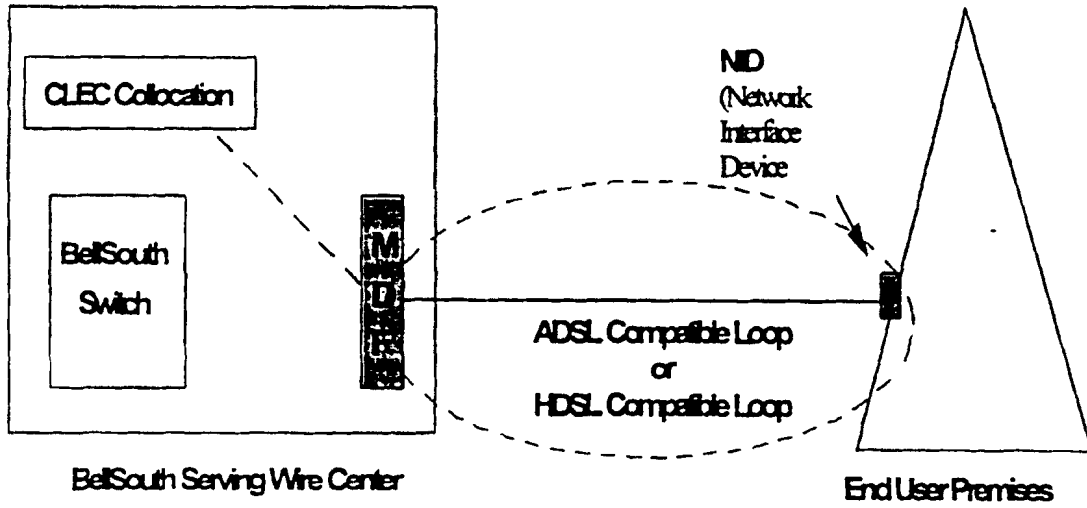
Where the loop facility does not meet HDSL compatible loop specifications and it is determined that the loop can be modified to meet these specifications, the CLEC may request BellSouth's ULM. In these situations and as a chargeable option, BellSouth will use the ULM process to modify the loop facility to HDSL compatible loop specifications. Additionally, the ULM product can be utilized to remove any bridged tap sections that are requested by the CLEC. The rates for ULM are in addition to the HDSL loop rate.

BellSouth does not guarantee a particular bit rate associated with these loops. The bit rate speed is dependent upon the CLEC's equipment.

HDSL compatible loops will meet the parameters specified in **BellSouth TR73600**.

BellSouth Unbundled ADSL/HDSL Compatible Loops

Network Configuration



BellSouth Unbundled ADSL/HDSL Compatible Loops

Ordering & Provisioning

This section will describe ordering scenarios available to the CLEC for ADSL or HDSL compatible loop ordering. It is important to note that it is now possible for a CLEC to obtain Loop Make-up (LMU) prior to placing an order for an ADSL or HDSL loop. This option will be referred to as "prior LMU".

There is a key distinction in the "with prior LMU" and the "without prior LMU" scenario. "With prior LMU" indicates that LMU was ordered and obtained by the CLEC prior to placing the ADSL or HDSL loop order; whereas "without prior LMU" indicates that the LMU look-up and facility reservation function will be handled *as part of* the loop ordering process. Lastly, Service Inquiry (SI) forms for LMU are distinct and separate from the SI forms required in the submission of a CLEC's ADSL or HDSL loop service order.

The LMU with Facility Reservation Number (FRN) option enables the CLEC to receive LMU and reserve a loop facility. This allows the CLEC a limited time span (*4 days*) to place an ADSL or HDSL loop order using the pre-order LMU. For additional detail regarding the LMU/FRN process, refer to the **LMU Product Package**.

If a prior LMU/FRN is obtained, the CLEC may use the FRN facility once it later submits a Local Service Request (LSR) to order an ADSL or HDSL loop. However, it should be noted that the specific loop type (ADSL or HDSL) ordered on the LSR must match the specifications of the facility for which prior LMU/FRN has been requested. BellSouth will use best efforts to assign the reserved facility on which the CLEC has obtained the FRN. If the loop type the CLEC has ordered on the LSR form does not match the reserved facility, the provisioning system will not use the reserved facility. Instead, the provisioning system will automatically override the FRN and attempt to assign a facility that does match the specifications of the loop type ordered. For information regarding the technical specifications refer to the Technical Requirements section of this document or to the **BellSouth TR73600**.

The sub-sections on the following pages describe the various ordering scenarios:

BellSouth Unbundled ADSL/HDSL Compatible Loops

Ordering & Provisioning (continued)

Loop Order with prior Loop Make-Up (LMU) and Facility Reservation Number (FRN)

The CLEC in this scenario would have requested a LMU with FRN prior to placing an order for the ADSL or HDSL compatible loop. In this scenario the CLEC does not require and is not ordering Unbundled Loop Modification (ULM) on requested loop facility. The non-recurring rate for the loop in this scenario excludes the cost of the manual service inquiry LMU and FRN since the CLEC has previously paid for the LMU with FRN.

Steps

1. CLEC requests and receives LMU/FRN through the **LMU process**.
2. CLEC prepares and sends a Local Service Request (LSR) form w/FRN to the Local Carrier Service Center (LCSC). CLEC must specify the loop type (ADSL or HDSL) on the LSR.
3. Once a complete and correct LSR has been processed, the LCSC will forward a Firm Order Confirmation (FOC) to the CLEC.
4. The requested loop type will be provisioned through the ordering and provisioning systems according to the targeted intervals stated in the Interval section.

Loop Order with prior LMU & FRN and with Unbundled Loop Modification (ULM)

This scenario is for an ADSL or HDSL compatible loop for which the CLEC is requesting **ULM**. The CLEC would have also requested a LMU with FRN prior to requesting the loop with ULM. The non-recurring rate for the loop in this scenario excludes the cost of the manual service inquiry LMU and FRN since the CLEC has previously paid for the LMU with FRN. Rates for ULM will be charged to the CLEC as separate rate elements.

Steps

1. CLEC requests and receives LMU/FRN through the **LMU process**.
2. CLEC prepares a firm order Service Inquiry (SI) and must specify the loop type, the required modifications and the FRN of the facility which requires modification.
3. CLEC prepares the LSR for the requested loop type with FRN.
4. CLEC sends the SI and LSR to its BellSouth CRSG/Account Team Representative.
5. CRSG/Account Team Representative holds the LSR and sends the SI to Outside Plant Engineering (OSPE).
6. OSPE issues an engineering job for the requested ULMs and determines an estimated completion date (ECD) for completing the modifications.
7. OSPE forwards the SI with ULM ECD to the CRSG/Account Team Representative.

BellSouth Unbundled ADSL/HDSL Compatible Loops

Ordering & Provisioning (continued)

8. CRSG/Account Team Representative notifies the CLEC of the ULM ECD.
9. When ULM is complete, OPSE notifies the CRSG/Account Team Representative who in turn notifies the CLEC.
10. CRSG/Account Team Representative forwards the SI and the LSR to the LCSC.
11. If the LSR is complete and correct the LCSC will process the order for the loop, bill the ULM and issue an FOC to the CLEC.
12. The requested loop type will be provisioned through the ordering & provisioning systems according to the targeted intervals stated in the Interval section of this document.

Loop Order without prior LMU & FRN

This scenario is for an ADSL or HDSL compatible loop and the CLEC has not requested prior LMU & FRN. The non-recurring rate for the loop in this scenario will include the cost of the manual service inquiry and FRN.

Steps

1. CLEC prepares a firm order SI and LSR for a specific loop type (ADSL or HDSL).
2. CLEC sends the SI and LSR to its BellSouth CRSG/Account Team Representative.
3. CRSG/Account Team Representative holds the LSR and sends the SI to Outside Plant Engineering (OSPE).
4. **If the requested loop type facility is available**, OSPE completes the SI with the FRN facility and sends the SI back to the CRSG/Account Team Representative. **(proceed to step 10)**
5. **If the requested loop facility is not available but can be provided with modifications**, OSPE will indicate on the SI that the facility is not available but could be provided with a job for Unbundled Loop Modification (ULM). OSPE will return the SI to the CRSG/Account Team Representative. **(proceed to step 7)**
6. **If the requested loop type facility is not available and cannot be provided with modifications**, refer to the Note below.
7. The CRSG/Account Team Representative forwards the SI to the CLEC for the CLEC's approval for Unbundled Loop Modification (ULM). CLEC will indicate its approval for ULM by placing a check (✓) for ULM-LC and ULM-BT on the SI and then return the SI to CRSG/Account Team Representative.
8. The SI is returned to OSPE who will initiate a job for Unbundled Loop Modification. OSPE will provide the job number and estimated completion date (ECD) on the SI and return the SI to the CRSG/Account team.

BellSouth Unbundled ADSL/HDSL Compatible Loops**Ordering & Provisioning (continued)**

9. The OSPE job will do the loop modifications necessary to bring the loop facility to design standards for the requested loop type. The job will also include a FRN for the facility to be modified if the pair being modified is a spare pair.
10. Once the job is complete, OSPE will send the completed SI with job completion date to the CRSG/Account Team Representative.
11. CRSG/Account Team Representative forwards the SI & LSR to the LCSC.
12. If the LSR is complete and correct, the LCSC will process the order and issue an FOC to the CLEC.
13. The requested loop type will be provisioned through the ordering & provisioning systems according to the targeted intervals stated in the Interval section of this document.

Note: There may be several reasons for the unavailability of compatible facilities for the loop type being ordered by the CLEC. The OSPE will indicate which reason applies on the Service Inquiry (SI). Below is a brief synopsis of those reasons. For additional information regarding possible options to remedy the "facility unavailable" situation, please contact your BellSouth CRSG/Account Team Representative.

- **Facilities are out of range** – OSPE will indicate why the loop is out of range and cannot be provided on the SI. If the facility would qualify for a different loop type, the possible loop type will also be indicated. The SI will be returned to the CRSG/Account Team Representative to advise the CLEC.
- **No compatible facilities/available by a job** – OSPE indicates that the facilities will be made available by a job and Special Construction (SC) is not applicable. The SI will be returned to the CRSG/Account Team Representative to advise the CLEC. The SI will state an estimated completion date (ECD). The job will be completed before the service orders are issued.
- **No compatible facilities/available w/SC** – OSPE indicates that the facilities could be made available by a job and Special Construction (SC) is applicable. OSPE will describe the SC work in the comments section of the SI. The SI will be returned to the CRSG/Account Team Representative to advise the CLEC. CLEC can then make the decision whether or not to pursue the SC process. If the CLEC decides to move forward with the SC process, the CLEC will be responsible for costs associated with BellSouth providing the quote and for the costs of implementing the SC job.
- **No compatible facilities/available with LST/CDP** – OSPE indicates that the facilities may be made available through Line and Station Transfers (LSTs) or by clearing a defective pair (CDP). OSPE will include remarks in the "comments" section of the SI that the facilities are not immediately available but an attempt will be made to make facilities available via cuts (LSTs) or CDP. The SI will be returned to the CRSG/Account Team Representative to advise the CLEC.

BellSouth Unbundled ADSL/HDSL Compatible Loops

Service Order Requirements

Local Service Request (LSR) form

The CLEC will complete a Local Service Request (LSR) form according to the **BellSouth Ordering Guide for CLECs** (Local Service Ordering Guidelines, version 2 (LSOGv2)) or the **BellSouth Business Rules for Local Ordering** (Local Service Ordering Guidelines, version 4 (LSOGv4)).

The following information that is unique to ADSL/HDSL is also required on the LSR:

LSR Field	Information Required			
NC/NCI	Loop Type	NC	NCI* at CLEC	SEC NCI * at End User
	2 Wire ADSL	LXR-	02QB9.00A	02DU9.00A
	2 Wire HDSL	LXC-	02QB9.00H	02DU9.00H
	4 Wire HDSL**	LXC-	04QB9.00H	04DU9.00H
RMKS	FRN (if Loop Make-up and FRN ordered prior to placing loop order)			
Project	If Unbundled Loop Modification is ordered, populate with the following* <ul style="list-style-type: none"> ● ULMLC – for Load Coil removal ● ULMBT – for Bridge Tap removal ● ULMBTLC – for Load Coil and Bridge Tap removal 			

* "0" is a numeric zero character

** Orders for 4 Wire HDSL must include two CLEC cable and pairs on the LSR.

Service Inquiry (SI) form

A Service Inquiry is required, dependent on the ordering scenarios described in the **Ordering & Provisioning** section, for ordering an ADSL/HDSL compatible loop. See attached "**Service Inquiry**" and "**Instructions for Preparing Service Inquiry**" section for preparation instructions.

LSR & SI Transmittal

- CLEC sends the firm order SI and a LSR to a CRSG/Account Team Representative.
- The primary method of submission to the CRSG is through email. Refer to "**Guidelines for Interfacing with the CRSG UNE Group**" section for the submission requirements.
- CLEC should contact its BellSouth Account Team Representative for additional information regarding transmittal of SI and LSR if CRSG Representative is not known.

BellSouth Unbundled ADSL/HDSL Compatible Loops

Rate Elements & USOCs

Rates for ADSL and HDSL compatible loops will need to be included in your contract. Rates may be interim and subject to true-up pending approval of final rates by the respective State Commissions. Commission orders will specify the dates back to which true-ups are applicable.

Rate Element	USOC
2 Wire Unbundled ADSL compatible loop, includes manual service inquiry and facility reservation	UAL2X
2 Wire Unbundled ADSL compatible loop, without manual service inquiry and facility reservation	UAL2W
2 Wire Unbundled HDSL compatible loop, includes manual service inquiry and facility reservation	UHL2X
2 Wire Unbundled HDSL compatible loop, without manual service inquiry and facility reservation	UHL2W
4 Wire Unbundled HDSL compatible loop, includes manual service inquiry and facility reservation	UHL4X
4 Wire Unbundled HDSL compatible loop, without manual service inquiry and facility reservation	UHL4W
Order Coordination – Time Specific (per order)	OCOSL

Other Non-Recurring Charges

Expedite Charge – applies if CLEC requests order interval of less than five days.

Manual Service Order – applies if order is manually submitted and electronic ordering is available

Order Cancellation – applies if the CLEC cancels an order. This charge is for work associated with provisioning either ADSL or HDSL loop pairs at the time the CLEC cancels an order.

Service Order Modification Charge – Applies if the CLEC modifies a service order after the Firm Order Confirmation has been issued.

Overtime Charge – Applies for work requested outside of normal working hours.

Time & Material – Applies for dispatch out if “no trouble found”

BellSouth Unbundled ADSL/HDSL Compatible Loops

Intervals

Where facilities are available and after any ULM request and/or SI process has been completed, it is expected that BellSouth will provision these loops after the receipt of an accurate LSR and SI within the following targeted intervals:

Loops	Intervals	FOC
1-5 Loops	7 business days	2 business days
6-14 Loops	10 business days	3 business days
15 + Loops	Handled on a project basis, intervals to be negotiated	

Maintenance & Repair Procedures

The CLEC is responsible for testing and pre-screening any trouble conditions to make sure the trouble is with ADSL/HDSL compatible loop pair before calling BellSouth. If the CLEC's testing isolates the repair problem to BellSouth's unbundled loop, the CLEC should notify the Unbundled Network Element (UNE) Center. The target interval for maintenance resolution is 24 hours from the time the trouble is reported to the UNE center.

The CLEC must provide the following information to UNE Center when reporting a repair problem:

- ADSL/HDSL pair Circuit ID
- Description of the trouble

If BellSouth dispatches a technician on a CLEC reported trouble call and no ADSL /HDSL loop trouble is found, BellSouth will charge the CLEC for time spent on the dispatch and for time spent testing the ADSL or HDSL compatible loop.

BellSouth Unbundled ADSL/HDSL Compatible Loops

Contract Specific Provisions

Before any ADSL/HDSL compatible loop can be ordered, the CLEC must have an Interconnection Agreement that includes terms, conditions and rates for each loop type that is being requested. This agreement must be in effect for all states where the CLEC plans to order these unbundled loops.

The information contained herein applies to the ADSL/HDSL compatible loop general offering and is part the standard BellSouth agreement. The general offering is in accordance with BellSouth policies, procedures and regulatory obligations as well as the Standard Interconnection Agreement.

The general offering does not address specific contract issues within a CLEC's Interconnection Agreement that may be different from the general offering. Where specific contract issues differ from the information provided here, the contract provisions will prevail for the term of the specific CLEC Interconnection Agreement. Otherwise, the general offering provisions will apply.

Service Inquiry

General Information:

UDL-2W/ADSL, UDL-2W/HDSL, UDL-4W/HDSL or UCL Service Inquiry

SI # (PON Num.) _____ Firm Order _____ Change _____ Cancel _____

Negotiator _____

CRSG EMAIL ADDRESS: (CRSG UNE/m5,mail5a) Negotiator Telephone Number _____

Customer Information:

CLEC Name _____

Customer Contact/Telephone number _____

Service Address _____

Local Serving Central Office _____

Number of lines requested¹ _____

Due Date/Requested Service Date _____

(To be filled out by Account team/CRSG should SC job be required)

Does the CLEC agree to SC quote billing? _____ YES (OSPE will prepare SC quote) _____ NO (OSPE will take no further action)

Date CLEC contacted about SC quote billing: _____

Actual Completion Date of OSPE EWO: _____ (OSPE to fill out and return to CRSG when EWO completes for options 3 & 4.)

¹ Indicate the number of loops requested. Fill out one "CLEC Loop Request" section for each loop requested. Use Page 2 of SI for this purpose.

CLEC Loop Request: (CLEC requests the following loops to the above address with the indicated Loop Modifications:

_____ Check here if this is a conversion of existing service. Existing Telephone Number: _____

	Provide this loop	Provide ULM-LC ²	Provide ULM-BT ²	Existing CLEC FRNs ³
UDL-2W/ADSL	_____	_____	_____	_____
UDL-2W/HDSL	_____	_____	_____	_____
UDL-4W/HDSL	_____	_____	_____	_____
UCL/S-2W	_____	_____	_____	_____
UCL/S-4W	_____	_____	_____	_____
UCL/L-2W	_____	_____	_____	_____
UCL/L-4W	_____	_____	_____	_____

² Checking off ULM-LC will remove all load coils, checking ULM-BT will remove sufficient BT to bring the loop to loop specifications as published in TR73600. The CLEC may request that specific bridged taps be removed in the "Comments" section. The CLEC can use the makeup previously supplied via manual or mechanized process to indicate which taps to remove.

³ The CLEC will provide the FRNs previously obtained for loops to be modified. Four wire loops will have two FRNs. If this field is filled in the CLEC is requesting loop modifications to pairs previously reserved. OSPE will respond with number #3 below, possibly with #4 if SC is applicable.

Outside Plant Engineering Facility Reservation Pass: One of the following five selections must be filled out:

1. _____ YES OSP Facilities are Available/reserved for 10 days FRN: _____
Cable and Pair(s) _____

2. _____ NO CANNOT PROVIDE. Check here if facilities are out of design range or in an area where copper pairs are not available and cannot be provided.

3. _____ NOT Available but can be provided with a job, no special construction. Job Number: _____

What is the expected completion date (ECD): _____

4. _____ NOT Available but can be provided with a job, special construction is applicable.⁴

5. _____ Facilities are not immediately available, will supply by one of the following: _____ CDP _____ LST

(List facilities involved in Comments section if available)

⁴ Provide a description of the work required in the "Comments" section. The CLEC can use this information to determine if they want to pursue a quote of SC charges. If the CLEC agrees to the SC quote billing conditions, OSPE will return an "Authorization Letter" which will contain a detailed description of the work and the total billable amount. The completion interval and job number will be supplied on the job quote.

Comments (describe work required on job, exceptions, etc.)

Prepared by (Facility Engineer) _____ Telephone Number _____

Return to Negotiator within 2 working days. Call negotiator if any delay is expected or incurred. Revised 07-21-00

Service Inquiry (continued)

General Information:

Page 2 of 2

UDL-2W/ADSL, UDL-2W/HDSL, UDL-4W/HDSL or UCL Service Inquiry

SI # (PON Num.) _____ Firm Order _____ Change _____ Cancel _____

Negotiator _____

CRSG EMAIL ADDRESS: (CRSG UNE/m5,mail5a) Negotiator Telephone Number _____

CLEC Loop Request: (CLEC requests the following loops to the above address with the indicated Loop Modifications:

_____ Check here if this is a conversion of existing service. Existing Telephone Number: _____

	Provide this loop	Provide ULM-LC ²	Provide ULM-BT ²	Existing CLEC FRNs ³
UDL-2W/ADSL	_____	_____	_____	_____
UDL-2W/HDSL	_____	_____	_____	_____
UDL-4W/HDSL	_____	_____	_____	_____
UCL/S-2W	_____	_____	_____	_____
UCL/S-4W	_____	_____	_____	_____
UCL/L-2W	_____	_____	_____	_____
UCL/L-4W	_____	_____	_____	_____

CLEC Loop Request: (CLEC requests the following loops to the above address with the indicated Loop Modifications:

_____ Check here if this is a conversion of existing service. Existing Telephone Number: _____

	Provide this loop	Provide ULM-LC ²	Provide ULM-BT ²	Existing CLEC FRNs ³
UDL-2W/ADSL	_____	_____	_____	_____
UDL-2W/HDSL	_____	_____	_____	_____
UDL-4W/HDSL	_____	_____	_____	_____
UCL/S-2W	_____	_____	_____	_____
UCL/S-4W	_____	_____	_____	_____
UCL/L-2W	_____	_____	_____	_____
UCL/L-4W	_____	_____	_____	_____

CLEC Loop Request: (CLEC requests the following loops to the above address with the indicated Loop Modifications:

_____ Check here if this is a conversion of existing service. Existing Telephone Number: _____

	Provide this loop	Provide ULM-LC ²	Provide ULM-BT ²	Existing CLEC FRNs ³
UDL-2W/ADSL	_____	_____	_____	_____
UDL-2W/HDSL	_____	_____	_____	_____
UDL-4W/HDSL	_____	_____	_____	_____
UCL/S-2W	_____	_____	_____	_____
UCL/S-4W	_____	_____	_____	_____
UCL/L-2W	_____	_____	_____	_____
UCL/L-4W	_____	_____	_____	_____

CLEC Loop Request: (CLEC requests the following loops to the above address with the indicated Loop Modifications:

_____ Check here if this is a conversion of existing service. Existing Telephone Number: _____

	Provide this loop	Provide ULM-LC ²	Provide ULM-BT ²	Existing CLEC FRNs ³
UDL-2W/ADSL	_____	_____	_____	_____
UDL-2W/HDSL	_____	_____	_____	_____
UDL-4W/HDSL	_____	_____	_____	_____
UCL/S-2W	_____	_____	_____	_____
UCL/S-4W	_____	_____	_____	_____
UCL/L-2W	_____	_____	_____	_____
UCL/L-4W	_____	_____	_____	_____

Comments (describe work required on job, exceptions, etc.)

Prepared by (Facility Engineer) _____ Telephone Number _____

Return to Negotiator within 2 working days. Call negotiator if any delay is expected or incurred. Revised 07-21-00

BellSouth Unbundled ADSL/HDSL Compatible Loops

Instructions for Preparing Service Inquiry

Below are the fields of information the CLEC must provide when preparing the ADSL/HDSL Service Inquiry (SI). Unless otherwise noted, there are no restrictions regarding length of fields or alpha/numeric makeup of required information.

General Information

- SI# (PON Number)
- Check (✓) if Firm Order, Change or Cancel
- Negotiator Name (BellSouth CRS/Account Team Representative)
- Negotiator's Tel Number

Customer Information

- CLEC Company Name
- Service Address**
- Customer Contact/Telephone number (CLEC contact)
- Local Serving Central Office (eight character CLLI for Central Office)
- Number of Lines requested
- Due Date/Requested Service Date

****NOTE:** End user's full and complete mailing service address, which would include any dept/floor/suite/room/apartment number, as well as, the U.S. postal zip code

CLEC Loop Request

- Check (✓) if a conversion
- Existing Telephone Number/Circuit ID – provide if conversion is checked
- Check (✓) each loop type requested. If multiple loops are requested, fill out one "CLEC Loop Request" section for each loop requested. Check ULM-LC if removal of load coils is requested.
- Check (✓) ULM-BT if removal of bridged tap is requested (BellSouth will remove BT(s) to meet ADSL or HDSL specifications; or the CLEC may request a specific BT removal by can indicating the specific BTs to be removed in the **Comments** section.)

BellSouth Unbundled ADSL/HDSL Compatible Loops**Instructions for Preparing Service Inquiry (*continued*)**

Below is information provided by BellSouth on the SI:

Customer Information

CRSG/Account Team Representative will fill out the Special Construction (SC) fields (if necessary) depending on SC action decided by the CLEC.

Outside Plant Engineering Facility (OSPE) Reservation Pass

If facilities are available, OSPE will check (✓) off item one (1) in this section and populate (FRN) (if the CLEC has not provided FRN previously obtained from Loop Make-Up request).

If facilities are not available, OSPE will check (✓) appropriate item number.

If facilities are not available but can be provided with Unbundled Loop Modification (ULM), OSPE will check (✓) item number 3 and provide an estimated completion date. OSPE will indicate ULM is required and provide an FRN in the Comments section. (SI will be returned to the CRSG/Acct. Team for the CLEC to approve ULM)

BellSouth Unbundled ADSL/HDSL Compatible Loops**Guidelines for Interfacing with the CRSG UNE Group****For Email Transactions**

- In order to serve customers as efficiently as possible, the CLEC should communicate with the CRSG UNE Group via email, whenever possible. New orders, CLEC initiated corrections, and clarification responses should be submitted via email.
- The CRSG UNE Group email address is crsg.une@bridge.bellsouth.com.
- When submitting the request via email, submit only 1 PON (SI & LSR) per mail message
- Use the following guidelines in formatting the email subject header:

PON 12345 UNE NEW	for a new UNE order
PON 12345 LSOD NEW	new Line Share Splitter request
PON 12345 CORRECTION	for a CLEC initiated correction or update
PON 12345 CLARIFICATION RESPONSE	for a clarification response
PON 12345 STATUS	for a status request

For Facsimile Transactions

- Requests submitted via facsimile should be sent to 800-365-8108
- The following guidelines should be used for requests submitted via facsimile:
 - The request must be type written
 - A transmittal cover page must be used
 - The transmittal cover should include
 - PON Number(s)
 - Total number of pages transmitted
 - Contact information

BellSouth Unbundled ADSL/HDSL Compatible Loops**Acronyms**

ADSL	Asymmetrical Digital Subscriber Line
CDP	Clear Defective Pair
CLEC	Competitive Local Exchange Carrier
CLLI	Common Language Location Identifier
CRSG	Complex Resale Support Group
DLC	Digital Loop Carrier
DLR	Design Layout Record
DSLAM	Digital Subscriber Line Access Multiplexer
ECD	Estimated Completion Date
EE	Enhanced Electronic
FOC	Firm Order Confirmation
FRN	Facility Reservation Number
HDSL	High Bit Rate Digital Subscriber Line
ID	Identification
LCSC	Local Carrier Service Center
LMU	Loop Make-up
LSOGv2	Local Service Ordering Guidelines version 2
LSOGv4	Local Service Ordering Guidelines version 4
LSR	Local Service Request
LST	Line & Station Transfer
MDF	Main Distribution Frame
NC	Network Channel
NCI	Network Channel Interface
NID	Network Interface Device
OBF	Ordering & Billing Forum
OC	Order Coordination
OSPE	Outside Plant Engineering
PON	Purchase Order Number
RRD	Revised Resistance Design
SC	Special Construction
SECNCI	Secondary Network Channel Interface

BellSouth Unbundled ADSL/HDSL Compatible Loops

Acronyms (continued)

SI	Service Inquiry
TR73600	Technical Reference 73600
UCL/L	Unbundled Copper Loop/Long
UCL/S	Unbundled Copper Loop/Short
ULM	Unbundled Loop Modification
ULM-BT	Bridged Tap
ULM-LC	Load Coil
UNE	Unbundled Network Element
USOC	Universal Service Order Code

EXHIBIT WGL-3

BellSouth Unbundled Copper Loop

BellSouth Unbundled Copper Loop

Unbundled Copper Loop

**CLEC
*Information Package***

(Version 3)

BellSouth Unbundled Copper Loop

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BellSouth Unbundled Copper Loop

Introduction & Scope

This Product Information Package is intended to provide to CLECs a product description and general ordering information specific to the UNE described herein. Detailed ordering guidelines are provided in documents located on the BellSouth Interconnection Web site.

The information contained in this document is subject to change. BellSouth will provide notification of changes to the document through the CLEC Notification Process.

Please contact your BellSouth Account Manager, if you have any questions about the information contained herein.

BellSouth Unbundled Copper Loop

Revisions

Version 3

- 1) Page 1 – “Version 3” replaces “Version 2”.
- 2) **Footnote** on each page – date changed from “8/25/00” to “10/13/00” and “Version 2” changed to “Version 3”.
- 3) **Service Order Requirements section – LSR form sub-section:**
 - Added “Project” under the **LSR Field**
 - Under the “**Information Required**” column added “If Unbundled Loop Modification is ordered, populate with the following:
 - ULMLC – for Load Coil removal
 - ULMBT – for Bridge Tap removal
 - ULMBTLC – for Load Coil and Bridge Tap removal”

Version 2

1. Page 1 – added “Version 2”.
2. **Footnote** on each page – date changed from 3/10/00 to 8/25/00. Deleted “UCLpkg.doc” and added “Version 2”.
3. The version 1 **Ordering and Provisioning** and **Service Inquiry (SI) Process** sections were replaced with a new **Ordering and Provisioning** section that contains three ordering scenarios.
4. **Service Order Requirements section:**
 - **LSR form sub-section** – In first paragraph, deleted Ordering and Billing Forum (OBF) guidelines reference and replace with “**BellSouth Ordering Guide for CLECs (LSOGv2)** or the **BellSouth Business Rules for Local Ordering (LSOGv4)**”.
 - **LSR form sub-section** – In first paragraph, deleted last sentence.
 - **LSR form sub-section** – second paragraph, added clarification for “NCI at CLEC” and “SEC NCI at End User” codes format:
 - “0” is a numeric zero character
 - ** “O” is an alpha (letter O)
 - **LSR form sub-section** – second paragraph, under LSR Field, added additional field “RMKS”. Under Information Required, added “FRN (if Loop Make-up and FRN ordered prior to placing loop order)”.
5. **Rate Elements and USOCs** section -- updated to reflect description changes in the existing elements and to add new elements:

BellSouth Unbundled Copper Loop

Old Element	New Description/Element	USOC
2 Wire Unbundled Copper Loop/S, < 18kft	2 Wire UCL/S, ≤ 18kft, <u>includes</u> manual service inquiry and facility reservation	UCLPB
NA	2 Wire UCL/S, ≤ 18kft, <u>without</u> manual service inquiry and facility reservation	UCLPW
4 Wire Unbundled Copper Loop/S, < 18kft	4 Wire UCL/S, ≤ 18kft, <u>includes</u> manual service inquiry and facility reservation	UCL4S
NA	4 Wire UCL/S, ≤ 18kft, <u>without</u> manual service inquiry and facility reservation	UCL4W
2 Wire Unbundled Copper Loop/L, > 18kft	2 Wire UCL/L, > 18kft, <u>includes</u> manual service inquiry and facility reservation	UCL2L
NA	2 Wire UCL/L, > 18kft, <u>without</u> manual service inquiry and facility reservation	UCL2W
4 Wire Unbundled Copper Loop/L, > 18kft	4 Wire UCL/L, > 18kft, <u>includes</u> manual service inquiry and facility reservation	UCL4L
NA	4 Wire UCL/L, > 18kft, <u>without</u> manual service inquiry and facility reservation	UCL4O

Revisions (continued)

6. **Service Inquiry (SI) Form** (revised: 2/29/00) and **SI Preparation** replaced with new **Service Inquiry** (revised: 7/21/00) and **Instructions for Preparing Service Inquiry**.
7. Added an **Acronyms** section

BellSouth Unbundled Copper Loop

Service Description

The Unbundled Copper Loop is a dedicated metallic transmission facility from BellSouth's Main Distribution Frame (MDF) to a customer's premises. This loop is commonly referred to as a "dry copper" loop because it does not have any intervening equipment such as load coils, repeaters, etc., between the end user premises and the Serving Wire Center (SWC). BellSouth offers 2 & 4 Wire UCL/S (Short) and 2 & 4 Wire UCL/L (Long). The UCL/S is any Resistance Design (RD) copper loop that is less than or equal to 18 kilofeet (kft). The UCL/L will be any copper loop that is longer than 18kft.

These loops are not intended to support any particular service and may be utilized by the CLEC to provide a wide-range of telecommunications services so long as those services do not adversely effect BellSouth's network. This facility will include a Network Interface Device (NID) or equivalent demarcation point at the end-user's customer's location for the purpose of connecting the loop to the customer's inside wire.

Service Capabilities

BellSouth will only provide the loop facilities with these offerings.

UCL loops will be designed circuits and are provisioned with test points. BellSouth will provide a Design Layout Record (DLR).

BellSouth will perform installation testing (other than switch-based) that is needed to ensure the loop meets the specifications of BellSouth's TR73600.

At the CLEC's option and for an additional charge, BellSouth will perform order coordination (OC) activities associated with Number Portability and/or disconnect orders. OC is intended to convert an existing customer to a new local service provider using the UCL in a manner that minimizes the end-user's dial-tone interruption. BellSouth will notify the CLEC of the appropriate conversion time and will then perform the work within the negotiated interval.

If the CLEC requests work after normal working hours, overtime rates will apply for work outside of 8:00 a.m. to 5:00 p.m. local time

If the CLEC's end user has existing service with BellSouth that utilizes a compatible copper loop, and wants to change local service providers, BellSouth will attempt to reuse the end user's existing loop.

BellSouth Unbundled Copper Loop

Technical Requirements

The UCL/S will be a Resistance Design (RD) loop of 1300 ohms or less and will consist of non-loaded copper with a total length of 18 kft or less. In addition, up to 6 kft of bridged tap may be included on the loop facility.

The UCL/L is a loop of up to 2800 ohms and will consist of non-loaded copper with a total length greater than 18 kft. In addition, up to 12 kft of bridged tap may be included on the loop facility. All copper loops longer than 18kft within BellSouth's network typically will have load coils or other intervening equipment. Therefore, the CLEC may have to request Unbundled Loop Modification (ULM).

For a CLEC requested loop facility that does not meet UCL specifications and it is determined that the loop can be modified to meet these specifications, the CLEC may request that BellSouth's **Unbundled Loop Modification (ULM)**. In these situations and as a chargeable option, BellSouth will use the ULM process to modify the requested loop facility to UCL specifications. Additionally, the ULM product must be utilized to remove any bridged tap sections that are requested by the CLEC. The rates for ULM are in addition to the UCL rate.

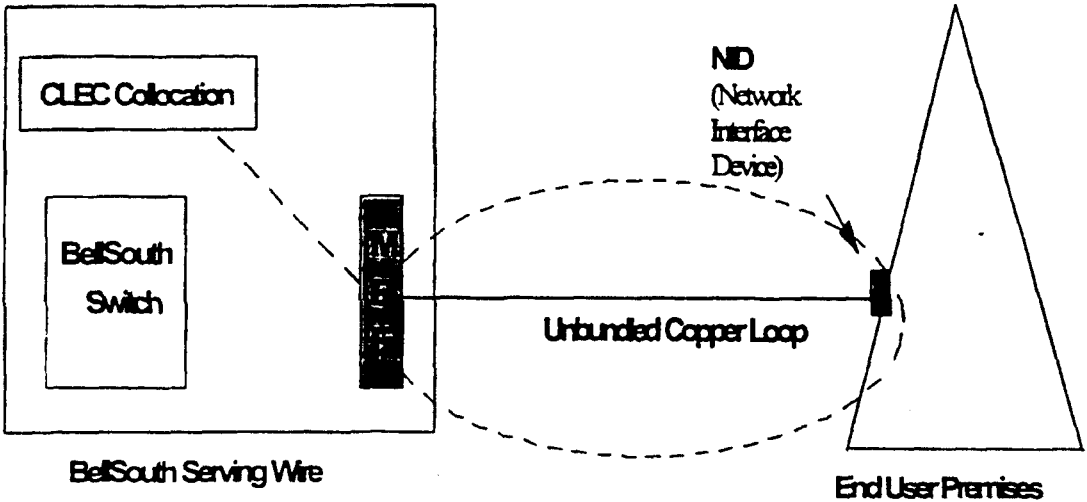
BellSouth will only ensure that the UCL has electrical continuity and provides balance relative to tip and ring.

These loops are not designed or intended to provide any particular service. The loop may be attached to a variety of equipment both at the CLEC's collocation space and the end user premises. BellSouth does not guarantee a particular bit rate associated with these loops.

UCL will meet the parameters specified in **Technical Reference (TR) 73600**.

BellSouth Unbundled Copper Loop

Network Configuration



BellSouth Unbundled Copper Loop

Ordering & Provisioning

This section will describe ordering scenarios available to the CLEC for UCL ordering. It is important to note that it is now possible for a CLEC to obtain Loop Make-up (LMU) prior to placing an order for a UCL. This option will be referred to as "prior LMU".

There is a key distinction in the "with prior LMU" and the "without prior LMU" scenario. "With prior LMU" indicates that LMU was ordered and obtained by the CLEC prior to placing the UCL order, whereas "without prior LMU" indicates that the LMU look-up and facility reservation function will be handled as *part of* the loop ordering process. Lastly, Service Inquiry (SI) forms for LMU are distinct and separate from the SI forms required in the submission of a CLEC's UCL service order.

The LMU with Facility Reservation Number (FRN) option enables the CLEC to receive LMU and reserve a loop facility. This allows the CLEC a limited time span (*4 days*) to place an UCL order using the pre-order LMU. For additional detail regarding the LMU/FRN process, refer to the **LMU Product Package**.

If a prior LMU/FRN is obtained, the CLEC may use the FRN facility once it later submits a Local Service Request (LSR) to order a UCL. However, it should be noted that the specific loop type ordered on the LSR must match the specifications of the facility for which prior LMU/FRN has been requested. BellSouth will use best efforts to assign the reserved facility on which the CLEC has obtained the FRN. If the loop type the CLEC has ordered on the LSR form does not match the reserved facility, the provisioning system will not use the reserved facility. Instead, the provisioning system will automatically override the FRN and attempt to assign a facility that does match the specifications of the loop type ordered. For information regarding the technical specifications refer to the Technical Requirements section of this document or to the **BellSouth TR73600**.

The sub-sections on the following pages describe the various ordering scenarios:

BellSouth Unbundled Copper Loop

Ordering & Provisioning (continued)

Loop Order with prior Loop Make-Up (LMU) and Facility Reservation Number (FRN)

The CLEC in this scenario would have requested a LMU with FRN prior to placing an order for the UCL. In this scenario the CLEC does not require and is not ordering Unbundled Loop Modification (ULM) on the requested loop facility. The non-recurring rate for the UCL in this scenario excludes the cost of the manual service inquiry LMU and FRN since the CLEC has previously paid for the LMU with FRN.

Steps

1. CLEC requests and receives LMU/FRN through the **LMU process**.
2. CLEC prepares and sends a Local Service Request (LSR) form w/FRN to the Local Carrier Service Center (LCSC). CLEC must specify UCL on the LSR.
3. Once a complete and correct LSR has been processed, the LCSC will forward a Firm Order Confirmation (FOC) to the CLEC.
4. The requested loop type will be provisioned through the ordering and provisioning systems according to the targeted intervals stated in the Interval section.

Loop Order with prior LMU & FRN and with Unbundled Loop Modification (ULM)

This scenario is for a UCL for which the CLEC is requesting *ULM*. The CLEC would have also requested a LMU with FRN prior to requesting the loop with ULM. The non-recurring rate for the loop in this scenario excludes the cost of the manual service inquiry LMU and FRN since the CLEC has previously paid for the LMU with FRN. Rates for ULM will be charged to the CLEC as separate rate elements.

Steps

1. CLEC requests and receives LMU/FRN through the **LMU process**.
2. CLEC prepares a firm order Service Inquiry (SI) and must specify UCL, the required modifications and the FRN of the facility which requires modification.
3. CLEC prepares the LSR for the requested loop type with FRN.
4. CLEC sends the SI and LSR to its BellSouth CRSG/Account Team Representative.
5. CRSG/Account Team Representative holds the LSR and sends the SI to Outside Plant Engineering (OSPE).
6. OSPE issues an engineering job for the requested Alms and determines an estimated completion date (ECD) for completing the modifications.
7. OSPE forwards the SI with ULM ECD to the CRSG/Account Team Representative.

BellSouth Unbundled Copper Loop

Ordering & Provisioning (continued)

8. CRSG/Account Team Representative notifies the CLEC of the ULM ECD.
9. When ULM is complete, OPSE notifies the CRSG/Account Team Representative who in turn notifies the CLEC.
10. CRSG/Account Team Representative forwards the SI and the LSR to the LCSC.
11. If the LSR is complete and correct the LCSC will process the order for the loop, bill the ULM and issue an FOC to the CLEC.
12. The requested loop type will be provisioned through the ordering & provisioning systems according to the targeted intervals stated in the Interval section of this document.

Loop Order without prior LMU & FRN

This scenario is for a UCL and the CLEC has not requested prior LMU & FRN. The non-recurring rate for the loop in this scenario will include the cost of the manual service inquiry and FRN.

Steps

1. CLEC prepares a firm order SI and LSR for a UCL.
2. CLEC sends the SI and LSR to its BellSouth CRSG/Account Team Representative.
3. CRSG/Account Team Representative holds the LSR and sends the SI to Outside Plant Engineering (OSPE).
4. **If thy UCL facility is available**, OSPE completes the SI with the FRN facility and sends the SI back to the CRSG/Account Team Representative. **(proceed to step 10)**
5. **If the UCL facility is not available but can be provided with modifications**, OSPE will indicate on the SI that the facility is not available but could be provided with a job for Unbundled Loop Modification (ULM). OSPE will return the SI to the CRSG/Account Team Representative. **(proceed to step 7)**
6. **If the requested loop type facility is not available and cannot be provided with modifications**, refer to the Note below.
7. The CRSG/Account Team Representative forwards the SI to the CLEC for the CLEC's approval for Unbundled Loop Modification (ULM). CLEC will indicate its approval for ULM by placing a check (✓) for ULM-LC and ULM-BT on the SI and then return the SI to CRSG/Account Team Representative.
8. The SI is returned to OSPE who will initiate a job for Unbundled Loop Modification. OSPE will provide the job number and estimated completion date (ECD) on the SI and return the SI to the CRSG/Account team.

BellSouth Unbundled Copper Loop

Ordering & Provisioning (continued)

9. The OSPE job will do the loop modifications necessary to bring the loop facility to design standards for a UCL. The job will also include a FRN for the facility to be modified if the pair being modified is a spare pair.
10. Once the job is complete, OSPE will send the completed SI with job completion date to the CRSG/Account Team Representative.
11. CRSG/Account Team Representative forwards the SI & LSR to the LCSC.
12. If the LSR is complete and correct, the LCSC will process the order and issue an FOC to the CLEC.
13. The UCL will be provisioned through the ordering & provisioning systems according to the targeted intervals stated in the Interval section of this document.

Note: There may be several reasons for the unavailability of compatible facilities for the loop type being ordered by the CLEC. The OSPE will indicate which reason applies on the Service Inquiry (SI). Below is a brief synopsis of those reasons. For additional information regarding possible options to remedy the "facility unavailable" situation, please contact your BellSouth CRSG/Account Team Representative.

- **Facilities are out of range** – OSPE will indicate why the loop is out of range and cannot be provided on the SI. If the facility would qualify for a different loop type, the possible loop type will also be indicated. The SI will be returned to the CRSG/Account Team Representative to advise the CLEC.
- **No compatible facilities/available by a job** – OSPE indicates that the facilities will be made available by a job and Special Construction (SC) is not applicable. The SI will be returned to the CRSG/Account Team Representative to advise the CLEC. The SI will state an estimated completion date (ECD). The job will be completed before the service orders are issued.
- **No compatible facilities/available w/SC** – OSPE indicates that the facilities could be made available by a job and Special Construction (SC) is applicable. OSPE will describe the SC work in the comments section of the SI. The SI will be returned to the CRSG/Account Team Representative to advise the CLEC. CLEC can then make the decision whether or not to pursue the SC process. If the CLEC decides to move forward with the SC process, the CLEC will be responsible for costs associated with BellSouth providing the quote and for the costs of implementing the SC job.
- **No compatible facilities/available with LST/CDP** – OSPE indicates that the facilities may be made available through Line and Station Transfers (LSTs) or by clearing a defective pair (CDP). OSPE will include remarks in the "comments" section of the SI that the facilities are not immediately available but an attempt will be made to make facilities available via cuts (LSTs) or CDP. The SI will be returned to the CRSG/Account Team Representative to advise the CLEC.

BellSouth Unbundled Copper Loop

Service Order Requirements

Local Service Request (LSR) form

The CLEC will complete a Local Service Request (LSR) form according to the **BellSouth Ordering Guide for CLECs (LSOGv2)** or the **BellSouth Business Rules for Local Ordering (LSOGv4)**.

The following information that is unique to UCL is also required on the LSR:

LSR Field	Information Required			
NC/NCI	Loop Type	NC	NCI at CLEC*	SEC NCI at End User*
	2 Wire UCL/S (≤ 18 kft)	LX-N	02QC3.OOF	02NO2
	4 Wire UCL/S (≤ 18 kft)	LX-N	04QC3.OOF	04NO2
	2 Wire UCL/L (> 18 kft)	LX--	02QC3.OOF	02NO2
	4 Wire UCL/L (> 18 kft)	LX--	04QC3.OOF	04NO2
RMKS	FRN (if Loop Make-up and FRN ordered prior to placing loop order)			
Project	If Unbundled Loop Modification is ordered, populate with the following: <ul style="list-style-type: none"> • ULMC – for Load Coil removal • ULMBT – for Bridge Tap removal • ULMBTLC – for Load Coil and Bridge Tap removal 			

- * "0" is a numeric zero character
- "O" is an alpha (letter O)

Service Inquiry (SI) form

A Service Inquiry is required, dependent on the ordering scenarios described in the **Ordering & Provisioning** section, for ordering a UCL. See attached "**Service Inquiry**" and "**Instructions for Preparing Service Inquiry**" section for preparation instructions.

LSR & SI Transmittal

- CLEC sends the firm order SI and a LSR to a CRSG/Account Team Representative.
- The primary method of submission to the CRSG is through email. Refer to "**Guidelines for Interfacing with the CRSG UNE Group**" section for the submission requirements.
- CLEC should contact its BellSouth Account Team Representative for additional information regarding transmittal of SI and LSR if CRSG Representative is not known.

BellSouth Unbundled Copper Loop

BellSouth Unbundled Copper Loop

Rate Elements & USOCs

Rates for UCLs will need to be included in your contract. Rates may be interim and subject to true-up pending approval of final rates by the respective State Commissions. Commission orders will specify the dates back to which true-ups are applicable.

Rate Element	USOC
2 Wire UCL/S \leq 18kft, <u>includes</u> manual service inquiry and facility reservation	UCLPB
2 Wire UCL/S \leq 18kft, <u>without</u> manual service inquiry and facility reservation	UCLPW
4 Wire UCL/S \leq 18kft, <u>includes</u> manual service inquiry and facility reservation	UCL4S
4 Wire UCL/S \leq 18kft, <u>without</u> manual service inquiry and facility reservation	UCL4W
2 Wire UCL/L $>$ 18kft, <u>includes</u> manual service inquiry and facility reservation	UCL2L
2 Wire UCL/L $>$ 18kft, <u>without</u> manual service inquiry and facility reservation	UCL2W
4 Wire UCL/L $>$ 18kft, <u>includes</u> manual service inquiry and facility reservation	UCL4L
4 Wire UCL/L $>$ 18kft, <u>without</u> manual service inquiry and facility reservation	UCL4O
Order Coordination (per loop)	UCLMC

Other Non-Recurring Charges

Manual Service Order – applies if order is manually submitted and electronic ordering is available.

Order Cancellation – applies if the CLEC cancels an order. This charge is for work associated with provisioning UCL pairs at the time the CLEC cancels an order.

Service Order Modification Charge – applies if the CLEC modifies a service order after the Firm Order Confirmation has been issued.

Overtime Charge – applies for work requested outside of normal working hours.

Time & Material – applies for dispatch out if “no trouble found”

BellSouth Unbundled Copper Loop

Intervals

Where facilities are available and after any ULM request and/or SI process has been completed, it is expected that BellSouth will provision these loops after the receipt of an accurate LSR and SI within the following targeted intervals:

Loops	Intervals	FOC
1-5 Loops	7 business days	2 business days
6-14 Loops	10 business days	3 business days
15 + Loops	Handled on a project basis, intervals to be negotiated	

Maintenance & Repair Procedures

The CLEC is responsible for testing and pre-screening any trouble conditions to make sure the trouble is with the UCL pair before calling BellSouth. If the CLEC's testing isolates the repair problem to BellSouth's unbundled loop, the CLEC should notify the Unbundled Network Element (UNE) Center. The target interval for maintenance resolution is 24 hours from the time the trouble is reported to the UNE center.

The CLEC must provide the following information to UNE Center when reporting a repair problem:

- UCL pair Circuit ID
- Description of the trouble

If BellSouth dispatches a technician on a CLEC reported trouble call and no UCL trouble is found, BellSouth will charge the CLEC for time spent on the dispatch and for time spent testing the UCL.

BellSouth Unbundled Copper Loop

Contract Specific Provisions

Before any UCL loop can be ordered, the CLEC must have an Interconnection Agreement that includes terms, conditions and rates for each loop type that is being requested. This agreement must be in effect for all states where the CLEC plans to order these unbundled loops.

The information contained herein applies to the UCL general offering and is part the standard BellSouth agreement. The general offering is in accordance with BellSouth policies, procedures and regulatory obligations as well as the Standard Interconnection Agreement.

The general offering does not address specific contract issues within a CLEC's Interconnection Agreement that may be different from the general offering. Where specific contract issues differ from the information provided here, the contract provisions will prevail for the term of the specific CLEC Interconnection Agreement. Otherwise, the general offering provisions will apply.

Service Inquiry

General Information:

UDL-2W/ADSL, UDL-2W/HDSL, UDL-4W/HDSL or UCL Service Inquiry

SI # (PON Num.) _____ Firm Order _____ Change _____ Cancel _____

Negotiator _____

CRSG EMAIL ADDRESS: (CRSG UNE/m5.mail5a) Negotiator Telephone Number _____

Customer Information:

CLEC Name _____

Customer Contact/Telephone number _____

Service Address _____

Local Serving Central Office _____

Number of lines requested¹ _____

Due Date/Requested Service Date _____

(To be filled out by Account team/CRSG should SC job be required)

Does the CLEC agree to SC quote billing? _____ YES (OSPE will prepare SC quote) _____ NO (OSPE will take no further action)

Date CLEC contacted about SC quote billing: _____

Actual Completion Date of OSPE EWO: _____ (OSPE to fill out and return to CRSG when EWO completes for options 3 & 4.)

¹ Indicate the number of loops requested. Fill out one "CLEC Loop Request" section for each loop requested. Use Page 2 of SI for this purpose.

CLEC Loop Request: (CLEC requests the following loops to the above address with the indicated Loop Modifications:

_____ Check here if this is a conversion of existing service. Existing Telephone Number: _____

	Provide this loop	Provide ULM-LC ²	Provide ULM-BT ²	Existing CLEC FRNs ³
UDL-2W/ADSL	_____	_____	_____	_____
UDL-2W/HDSL	_____	_____	_____	_____
UDL-4W/HDSL	_____	_____	_____	_____
UCL/S-2W	_____	_____	_____	_____
UCL/S-4W	_____	_____	_____	_____
UCL/L-2W	_____	_____	_____	_____
UCL/L-4W	_____	_____	_____	_____

² Checking off ULM-LC will remove all load coils, checking ULM-BT will remove sufficient BT to bring the loop to loop specifications as published in TR73600. The CLEC may request that specific bridged taps be removed in the "Comments" section. The CLEC can use the makeup previously supplied via manual or mechanized process to indicate which taps to remove.

³ The CLEC will provide the FRNs previously obtained for loops to be modified. Four wire loops will have two FRNs. If this field is filled in the CLEC is requesting loop modifications to pairs previously reserved. OSPE will respond with number #3 below, possibly with #4 if SC is applicable.

Outside Plant Engineering Facility Reservation Pass: One of the following five selections must be filled out:

- _____ YES OSP Facilities are Available/reserved for 10 days FRN: _____
Cable and Pair(s) _____
- _____ NO CANNOT PROVIDE. Check here if facilities are out of design range or in an area where copper pairs are not available and cannot be provided.
- _____ NOT Available but can be provided with a job, no special construction. Job Number: _____
What is the expected completion date (ECD): _____
- _____ NOT Available but can be provided with a job, special construction is applicable.⁴
- _____ Facilities are not immediately available, will supply by one of the following: _____ CDP _____ LST
(List facilities involved in Comments section if available)

⁴ Provide a description of the work required in the "Comments" section. The CLEC can use this information to determine if they want to pursue a quote of SC charges. If the CLEC agrees to the SC quote billing conditions, OSPE will return an "Authorization Letter" which will contain a detailed description of the work and the total billable amount. The completion interval and job number will be supplied on the job quote.

Comments (describe work required on job, exceptions, etc.)

Prepared by (Facility Engineer) _____

Telephone Number _____

Return to Negotiator within 2 working days. Call negotiator if any delay is expected or incurred. Revised 07-21-00

Service Inquiry (continued)

General Information:

Page 2 of 2

UDL-2W/ADSL, UDL-2W/HDSL, UDL-4W/HDSL or UCL Service Inquiry

SI # (PON Num.) _____ Firm Order _____ Change _____ Cancel _____

Negotiator _____

CRSG EMAIL ADDRESS: (CRSG UNE/m5,mail5a) Negotiator Telephone Number _____

CLEC Loop Request: (CLEC requests the following loops to the above address with the indicated Loop Modifications:

_____ Check here if this is a conversion of existing service. Existing Telephone Number: _____

	Provide this loop	Provide ULM-LC ²	Provide ULM-BT ²	Existing CLEC FRNs ³
UDL-2W/ADSL	_____	_____	_____	_____
UDL-2W/HDSL	_____	_____	_____	_____
UDL-4W/HDSL	_____	_____	_____	_____
UCL/S-2W	_____	_____	_____	_____
UCL/S-4W	_____	_____	_____	_____
UCL/L-2W	_____	_____	_____	_____
UCL/L-4W	_____	_____	_____	_____

CLEC Loop Request: (CLEC requests the following loops to the above address with the indicated Loop Modifications:

_____ Check here if this is a conversion of existing service. Existing Telephone Number: _____

	Provide this loop	Provide ULM-LC ²	Provide ULM-BT ²	Existing CLEC FRNs ³
UDL-2W/ADSL	_____	_____	_____	_____
UDL-2W/HDSL	_____	_____	_____	_____
UDL-4W/HDSL	_____	_____	_____	_____
UCL/S-2W	_____	_____	_____	_____
UCL/S-4W	_____	_____	_____	_____
UCL/L-2W	_____	_____	_____	_____
UCL/L-4W	_____	_____	_____	_____

CLEC Loop Request: (CLEC requests the following loops to the above address with the indicated Loop Modifications:

_____ Check here if this is a conversion of existing service. Existing Telephone Number: _____

	Provide this loop	Provide ULM-LC ²	Provide ULM-BT ²	Existing CLEC FRNs ³
UDL-2W/ADSL	_____	_____	_____	_____
UDL-2W/HDSL	_____	_____	_____	_____
UDL-4W/HDSL	_____	_____	_____	_____
UCL/S-2W	_____	_____	_____	_____
UCL/S-4W	_____	_____	_____	_____
UCL/L-2W	_____	_____	_____	_____
UCL/L-4W	_____	_____	_____	_____

CLEC Loop Request: (CLEC requests the following loops to the above address with the indicated Loop Modifications:

_____ Check here if this is a conversion of existing service. Existing Telephone Number: _____

	Provide this loop	Provide ULM-LC ²	Provide ULM-BT ²	Existing CLEC FRNs ³
UDL-2W/ADSL	_____	_____	_____	_____
UDL-2W/HDSL	_____	_____	_____	_____
UDL-4W/HDSL	_____	_____	_____	_____
UCL/S-2W	_____	_____	_____	_____
UCL/S-4W	_____	_____	_____	_____
UCL/L-2W	_____	_____	_____	_____
UCL/L-4W	_____	_____	_____	_____

Comments (describe work required on job, exceptions, etc.)

Prepared by (Facility Engineer)

Telephone Number

Return to Negotiator within 2 working days. Call negotiator if any delay is expected or incurred. Revised 07-21-00

BellSouth Unbundled Copper Loop**Instructions for Preparing Service Inquiry**

Below are the fields of information the CLEC must provide when preparing the UCL Service Inquiry (SI). Unless otherwise noted, there are no restrictions regarding length of fields or alpha/numeric makeup of required information.

General Information

- SI# (PON Number)
- Check (✓) if Firm Order, Change or Cancel
- Negotiator Name (BellSouth CRS/Account Team Representative)
- Negotiator's Tel Number

Customer Information

- CLEC Company Name
 - Service Address**
 - Customer Contact/Telephone number (CLEC contact)
 - Local Serving Central Office (eight character CLLI for Central Office)
 - Number of Lines requested
 - Due Date/Requested Service Date
- **NOTE:** End user's full and complete mailing service address, which would include any dept/floor/suite/room/apartment number, as well as, the U.S. postal zip code

CLEC Loop Request

- Check (✓) if a conversion
- Existing Telephone Number/Circuit ID – provide if conversion is checked
- Check (✓) each loop type requested. If multiple loops are requested, fill out one "CLEC Loop Request" section for each loop requested. Check ULM-LC if removal of load coils is requested.
- Check (✓) ULM-BT if removal of bridged tap (BT) is requested (BellSouth will remove BT(s) to meet UCL or HDSL specifications; or the CLEC may request a specific BT removal by can indicating the specific BTs to be removed in the **Comments** section.)

BellSouth Unbundled Copper Loop

Instructions for Preparing Service Inquiry *(continued)*

Below is information provided by BellSouth on the SI:

Customer Information

CRSG/Account Team Representative will fill out the Special Construction (SC) fields (if necessary) depending on SC action decided by the CLEC.

Outside Plant Engineering Facility (OSPE) Reservation Pass

If facilities are available, OSPE will check (✓) off item one (1) in this section and populate (FRN) (if the CLEC has not provided FRN previously obtained from Loop Make-Up request).

If facilities are not available, OSPE will check (✓) appropriate item number.

If facilities are not available but can be provided with Unbundled Loop Modification (ULM), OSPE will check (✓) item number 3 and provide an estimated completion date. OSPE will indicate ULM is required and provide an FRN in the **Comments** section. (SI will be returned to the CRSG/Acct. Team for the CLEC to approve ULM)

DRAFT

BellSouth Unbundled Copper Loop

Guidelines for Interfacing with the CRSG UNE Group

For Email Transactions

- In order to serve customers as efficiently as possible, the CLEC should communicate with the CRSG UNE Group via email, whenever possible. New orders, CLEC initiated corrections, and clarification responses should be submitted via email.
- The CRSG UNE Group email address is crsg.une@bridge.bellsouth.com.
- When submitting the request via email, submit only 1 PON (SI & LSR) per mail message
- Use the following guidelines in formatting the email subject header:

PON 12345 UNE NEW	for a new UNE order
PON 12345 LSOD NEW	new Line Share Splitter request
PON 12345 CORRECTION	for a CLEC initiated correction or update
PON 12345 CLARIFICATION RESPONSE	for a clarification response
PON 12345 STATUS	for a status request

For Facsimile Transactions

- Requests submitted via facsimile should be sent to 800-365-8108
- The following guidelines should be used for requests submitted via facsimile:
 - < The request must be type written
 - < A transmittal cover page must be used
 - < The transmittal cover should include
 - PON Number(s)
 - Total number of pages transmitted
 - Contact information

BellSouth Unbundled Copper Loop

Acronyms

ADSL	Asymmetrical Digital Subscriber Line
CDP	Clear Defective Pair
CLEC	Competitive Local Exchange Carrier
CLLI	Common Language Location Identifier
CRSG	Complex Resale Support Group
DLC	Digital Loop Carrier
DLR	Design Layout Record
DSLAM	Digital Subscriber Line Access Multiplexer
ECD	Estimated Completion Date
EE	Enhanced Electronic
FOC	Firm Order Confirmation
FRN	Facility Reservation Number
HDSL	High Bit Rate Digital Subscriber Line
ID	Identification
LCSC	Local Carrier Service Center
LMU	Loop Make-up
LSOGv2	Local Service Ordering Guidelines version 2
LSOGv4	Local Service Ordering Guidelines version 4
LSR	Local Service Request
LST	Line & Station Transfer
MDF	Main Distribution Frame
NC	Network Channel
NCI	Network Channel Interface
NID	Network Interface Device
OBF	Ordering & Billing Forum
OC	Order Coordination
OSPE	Outside Plant Engineering
PON	Purchase Order Number
RRD	Revised Resistance Design

BellSouth Unbundled Copper Loop

Acronyms (continued)

SC	Special Construction
SECNCI	Secondary Network Channel Interface
SI	Service Inquiry
TR73600	Technical Reference 73600
UCL/L	Unbundled Copper Loop/Long
UCL/S	Unbundled Copper Loop/Short
ULM	Unbundled Loop Modification
ULM-BT	Bridged Tap
ULM-LC	Load Coil
UNE	Unbundled Network Element
USOC	Universal Service Order Code

EXHIBIT WGL-4

BellSouth Unbundled Copper Loop –
Non-Designed (UCL-ND)

CLEC
Information Package

BellSouth Unbundled Copper Loop – Non-Designed

BellSouth Unbundled Copper Loop – Non-Designed (UCL-ND)

**CLEC
Information Package**

Version 1

BellSouth Unbundled Copper Loop – Non-Designed

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BellSouth Unbundled Copper Loop – Non-Designed

Introduction & Scope

This Product Information Package is intended to provide to CLECs a product description and general ordering information specific to the UNE described herein. Detailed ordering guidelines are provided in documents on the BellSouth Interconnection web site.

The information contained in this document is subject to change. BellSouth will provide notification of changes to the document through the Carrier Notification Process.

Please contact your BellSouth Account Manager if you have any questions about the information contained herein.

BellSouth Unbundled Copper Loop – Non-Designed

Service Description

Unbundled Copper Loop – Non-Designed (UCL-ND) will be provisioned as a dedicated 2- wire metallic transmission facility from BellSouth's Main Distribution Frame (MDF) to a customer's premises (including the NID).

UCL-ND will be a "dry copper" facility in that it will not have any intervening equipment such as load coils, repeaters, or Digital Access Main Lines ("DAMLs"). The UCL-ND loop may contain bridge tap of up to 6 Kft (exclusive of the loop length between the end user's premises and Serving Wire Center (SWC)). UCL-ND typically will be 1300 Ohms resistance and in most cases will not exceed 18 Kft (18,000) feet in length, although UCL-ND will not have a specific length limitation. For loops less than 18 Kft and with less than 1300 Ohms resistance, the loop will provide a voice grade transmission channel suitable for loop start signaling and the transport of analog voice grade signals. UCL-ND will not be designed and will not be provisioned with either a Design Layout Record (DLR) or a test point.

If no compatible BellSouth facilities are available, the CLEC may utilize BellSouth's existing electronic Unbundled Loop Make-Up (LMU) process to screen and reserve facilities. If the CLEC uses the above process, they must provide the RESID/FRN information in the REMARKS section of the paper LSR (Local Service Request) form.

The CLEC may use BellSouth's Unbundled Loop Modification (ULM) process to remove bridge tap and or load coils from copper facilities in order to condition them as UCL-ND loops. Therefore, some loops that would not qualify as UCL-ND could be transformed into loops that do qualify by using the ULM process. The CLEC would send a request for the UCL-ND loop and any ULM requests, business as usual. These loops are not intended to support any particular services and may be utilized by the CLEC to provide a wide range of telecommunications services so long as these services comply with industry standards and do not adversely affect BellSouth's network.

CLEC may request, for an additional non-recurring charge, an Engineering Information (EI) document from BellSouth, which provides loop make up information, similar to a Design Lay Out Record (DLR). The CLEC must have the UCL-ND and EI in their CLEC contract, before they submit an order for these items. If not in the CLEC contract, the CLEC must contact their BellSouth negotiator to amend their contract.

BellSouth Unbundled Copper Loop – Non-Designed Service Capabilities

UCL-ND will be terminated at the Central Office (CO) in the following manner:

1. They will be delivered to the CLEC at their collocation space via a cross - connect. This cross-connect element will be provisioned out of the Collocation offering. Once this connection is made, the CLEC will provide the equipment and/or transport needed to provide the desired service to their end user.
2. If either of these loops is already connected to another UNE (Unbundled Network Element) (e.g., interoffice transport, unbundled local switching, etc.) they may remain connected to that element if the CLEC orders a combined UNE that includes the UCL-ND. BellSouth will not combine UCL-ND with any other UNE if the UCL-ND is not already combined with that element.

Once the service order has been processed via the (Local Carrier Service Center) LCSC Service Rep or via Electronic Interface, the service order will flow to Address and Facility Inventory Group (AFIG) for verification of CLEC CA/PR and to assign BellSouth facilities for CKL 2 location. Service order will flow to CO to be wired, then to Work Maintenance Center (WMC) for a possible dispatch to the field. Service order is then routed to the UNE CWIN (Customer Wholesale Interconnection Network Services) Center for coordination and turn up of service.

If facilities are not available, the CLEC may elect to pay Special Construction charges if they wanted BST to place facilities to a location where they do not currently exist. There will be instances where UCL-ND will not be available, (i.e., in an all fiber area.)

BellSouth Unbundled Copper Loop – Non-Designed

Service Capabilities – Continued

Options

BellSouth offers three options to assist the CLEC in converting existing end-users to its service. These options are described below:

1. BellSouth offers Order Coordination (OC) as a chargeable option per UCL-ND loop when reuse of existing facilities has been requested by the CLEC. The purpose of OC is to convert an existing facility to the CLEC's service in a manner that minimizes dial-tone interruption for the end user.
2. BellSouth also offers Order Coordination-Time Specific (OC-TS) conversions when the CLEC has ordered OC and requires a time specific order conversion. In addition to the OC charge, which is applied per loop, an OC-TS charge will be applied per UCL-ND order.
3. A CLEC may also order an EI Document that provides loop information similar to information provided on a DLR for an SL2 loop.

BellSouth Unbundled Copper Loop – Non-Designed

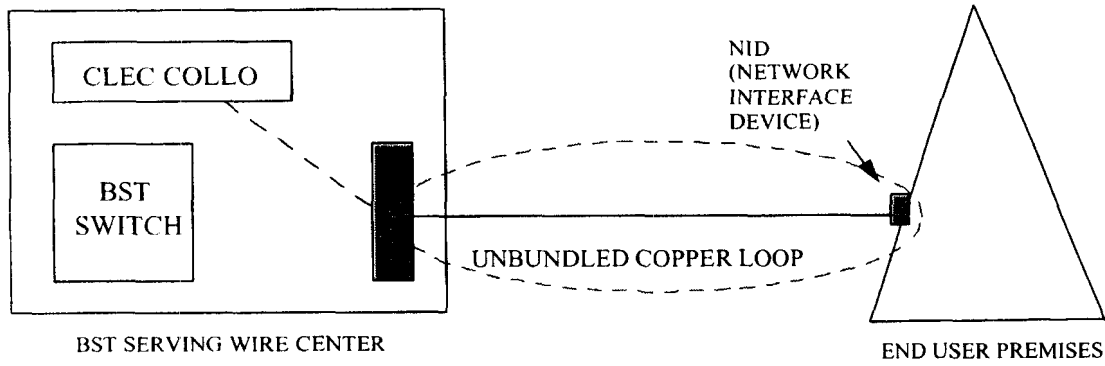
Technical Requirements

UCL-ND will be delivered to the CLEC at their collocation space via a cross- connect. Once this connection is made, the CLEC will provide connectivity needed to take the circuit back to its switch. .

UCL-ND will be provisioned as 2 Wire circuits and will meet technical specifications as described in **BellSouth's TR73600**.

BellSouth Unbundled Copper Loop – Non-Designed

Network Configuration



BellSouth Unbundled Copper Loop – Non-Designed

Ordering & Provisioning

The Local Carrier Service Center (LCSC) will receive and process orders by submission of the Local Service Request (LSR) from the CLEC. CLECs will utilize mechanized entry system where available.

Service Order Requirements

Local Service Request (LSR) Form

The CLEC will complete a Local Service Request (LSR) form according to the **BellSouth Business Rules for Local Ordering – TCIF 9/LSOG 4** or the **LEO IG (Volume 1) - TCIF 7**. The following information is unique to UCL-ND and is also required on the LSR:

LSR Field	Information Required
NC 2 Wire UCL-ND	LXT-
DRC	LMU (Populated when the CLEC is requesting an Engineering Information (EI) Document from BellSouth)

The following forms are applicable to this product:

Local Service Request form	LSR
End User Information form	EU
Loop Service with Interim Number Portability	LS-INP
Loop Service	LS

The CLEC may send the paper LSR package via fax servers, courier service or U.S. Mail.

The LSR request may be submitted by the CLEC via mechanization.

BellSouth Unbundled Copper Loop – Non-Designed Rate Elements & USOCs

Rates for UCL-ND loops will need to be included in your contract. Rates may be interim and subject to true-up pending approval of final rates by the respective State Commissions. Commission orders will specify the dates back to which true-ups are applicable. Below are the rate elements for UCD-ND:

Rate Element	USOC
2 Wire UCL-ND	UEQ2X
Manual Order Coordination (Optional)	UEAMC
Order Coordination - Time Specific (Optional)	OCOSL
Engineering Information Document (Optional)	UEANM

Other Non-Recurring Charges

Expedite Charges – Applies if CLEC requests order interval less than the stated “standard interval” in the **BellSouth Products and Services Interval Guide** .

Manual Service Order – Applies if order is manually submitted and electronic ordering is available.

Order Cancellation – Applies if the CLEC cancels an order after the FOC (Firm Order Confirmation) has been issued.

Service Order Modification Charge – Applies if the CLEC modifies a service order after the Firm Order Confirmation has been issued.

Overtime Charge – Applies for work requested outside of normal working hours. Normal working hours for provisioning work requests is between 9 a.m. and 4 p.m. local time.

Time and Material – Applies for CLEC requested dispatch, (outside the central office), if “no trouble found.”

BellSouth Unbundled Copper Loop – Non-Designed

Intervals

Refer to the **BellSouth Products and Services Interval Guide** for the 2 Wire UCL-ND standard intervals.

Maintenance & Repair

The CLEC is responsible for testing and pre-screening any trouble conditions to ensure the trouble is with the UCL-ND loop before calling BellSouth. If the CLEC's testing isolates the repair problem to the UCL-ND loop, the CLEC should notify the CWINS (Customer Wholesale Interconnection Network Services) Center. CLEC will provide the results of the CLECs test, which would indicate a problem on the BellSouth provided loop.

The CLEC must provide the following information to CWINS when reporting a repair problem:

UCL-ND Circuit ID Number
CLEC Ported Number (If Applicable)
Service Address of UCL-SL1 Circuit in Trouble
Description of Trouble
Contact Name
Contact Telephone Number

The UCL-ND is provisioned without a remote access test point, therefore, if a trouble is reported and no trouble is found, BellSouth will charge the CLEC for any dispatches and tests required to confirm the loop's working status.

BellSouth will perform these repair functions during normal hours (8 a.m. – 5 p.m. local time). If the CLEC requests that BellSouth repair a trouble after normal work hours, the CLEC will be billed the appropriate overtime charges.

BellSouth Unbundled Copper Loop – Non-Designed

Contract Specific Provisions

Before any UCL-ND compatible loop can be ordered, the CLEC must have an Interconnection Agreement that includes terms, conditions and rates for this loop. This agreement must be in effect for all states where the CLEC plans to order these unbundled loops.

The information contained herein applies to the UCL-ND general offering. The general offering is in accordance with BellSouth's policies, procedures and regulatory obligations as well as the standard BellSouth Interconnection Agreement.

The general offering does not address specific contract issues within a CLEC's Interconnection Agreement that may be different from the general offering. Where specific contract issues differ from the information provided here, the contract provisions will prevail for the term of the specific CLEC Interconnection Agreement. Otherwise, the general offering provisions will apply.

BellSouth Unbundled Copper Loop – Non-Designed

Acronyms

AFIG	Address and Facility Inventory Group
BST	BellSouth Telecommunications
CA/PR	Cable / Pair
CLEC	Competitive Local Exchange Carrier
CO	Central Office
CWINS	Customer Wholesale Interconnection Network Services
DLR	Design Layout Record
DRC	Design Routing Code
EI	Engineering Information
EU	End User
FOC	Firm Order Confirmation
LCSC	Local Carrier Service Center
LNP	Local Number Portability
LMU	Loop Make Up
LS	Loop Service
LS-LNP	Loop Service with Number Portability
LSR	Local Service Request
NC	Network Channel
NID	Network Interface Device
OC	Order Coordination
OC-TS	Order Coordination – Time Specific
SWC	Serving Wire Center
TR73600	Technical Reference 73600

BellSouth Unbundled Copper Loop – Non-Designed

Acronyms - Continued

UCL-ND	Unbundled Copper Loop – Non-Design
ULM	Unbundled Loop Modification
UNE	Unbundled Network Element
USOC	Universal Service Order Code
WMC	Work Management Center

EXHIBIT WGL-5

BellSouth Loop Makeup (LMU)

CLEC

Pre-Ordering and Ordering Guide for Manual Loop
Makeup

BellSouth Loop Makeup (LMU)

***CLEC
Pre-Ordering and Ordering Guide
For
Manual Loop Makeup***

(Issue 1.1 January 31, 2001)

1.1 Purpose

This document provides the Competitive Local Exchange Carrier (CLEC) with the current Unbundled Network Element (UNE) Pre-Ordering and Ordering information pertaining to BellSouth *Manual Loop Makeup* (LMU). This document serves as a supplement to the CLEC Information Package (Version 2) of BellSouth Loop Makeup (LMU), with a posting date of 09/15/00.

The BellSouth LMU CLEC Information Package (Version 3) is located at the BellSouth Interconnection Services Web site in the CLEC Products Section at:

<http://www.interconnection.bellsouth.com/products/UNE/bstlmv.pdf>

1.2 Disclaimer Statement

The information contained in this document is subject to change. BellSouth will provide notification of changes to the document through the CLEC Notification Process.

This guide will be maintained until such time that its content is incorporated into the BellSouth Business Rules – Local Ordering (BBR-LO). The BBR-LO is found at:

<http://www.interconnection.bellsouth.com/guides/leo.html>

1.3 Version History / Control

Any future modifications, enhancements, and/or improvements that are made to this Pre-Ordering and Ordering Guide for BellSouth *Manual Loop Makeup* (LMU) will be reflected accordingly in this section of the document.

Section	Date / Issue	Description
ALL	09/14/00 – Issue 1.0	Initial Issue Release
	01/31/01 – Issue 1.1	Notify CLEC of receipt of Manual LMU request. Ch. 5.
	01/31/01 – Issue 1.1	Requirement that for queries on ported TN, CLEC must use CKID. Ch. 5.

PO&OG-MANUAL LMU-1.1
CHAPTER 2.0 – Table of Contents

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3.1 Manual LMU Overview

Manual Loop Makeup (LMU) is requested via the **Manual Loop Makeup Service Inquiry (LMUSI)** process.

Manual LMU can be requested for either a working facility or for spare facilities using the following rate elements per Manual LMUSI:

USOC	Rate Element
UMKLW	MANUAL Loop Makeup - Preordering <u>Without</u> Reservation, per working facility queried
UMKLW	MANUAL Loop Makeup - Preordering <u>Without</u> Reservation, per spare facility queried [Maximum No. of Spare Facilities per Manual LMUSI is (3)]
UMKLP	MANUAL Loop Makeup - Preordering <u>With</u> Reservation, per spare facility queried [Maximum No. of Spare Facilities per Manual LMUSI is (3)]

BellSouth's provision of loop data to the requesting CLEC on working facilities is contingent upon ownership considerations of the loop, whether by BellSouth or the requesting CLEC. The requesting CLEC is not authorized to receive loop data on a loop owned by another CLEC.

Manual LMU of Spare Facilities may be requested With or Without Reservation. When the CLEC requests Manual LMU of Spare Facilities With Reservation, a Reservation ID is returned with the LMU information. The reservation ID is also known as a Facilities Reservation Number (FRN). Hereafter within this document, this code will be referred to as the "RESID/FRN".

The reservation holding timeframe is a maximum of four days from the time that BellSouth's loop makeup data is returned to the CLEC on the facilities queried. During this holding time that a Service Order is not placed, the reserved facilities are rendered unavailable to other customers, whether for CLEC(s) or for BellSouth. Reserved facilities for which the CLEC does not plan to place a UNE service order should be cancelled by the CLEC in a timely manner.

4.1 Availability

BellSouth will offer this product in all states within the BellSouth Region.

Per Manual LMUSI request, the CLEC may inquire for Manual Loop Makeup information on a

- single working facility, or
- maximum of three spare facilities

The **STANDARD SERVICE INTERVAL** for return of a response to Manual LMUSI is seven business days. This **STANDARD SERVICE INTERVAL** is a target interval. The interval is calculated from 'Receive Date' to 'LMU Return Date', and includes the time to render the Firm Order Confirmation (FOC). The FOC is rendered upon the issuance of the Billing Service Order. 'Receive Date' is defined as the date the Manual LMUSI is received by the designated BellSouth Account Team representative, and is counted as Day Zero. 'LMU Return Date' is defined as the date the LMU information is returned to the CLEC from BellSouth. The Interval calculation is reset to Zero when a CLEC initiated change occurs on the Manual LMU request. For a BellSouth initiated clarification to the CLEC to obtain correct information from the CLEC on its LSR, there may be a delay beyond the standard service interval in the return of a response to a Manual LMUSI request.

4.2 Contract Specific Provisions

Before a Loop Makeup Service Inquiry (LMUSI) may be submitted by the CLEC, the CLEC must have an Interconnection Agreement that includes terms, conditions and rates for the LMUSI(s) being requested. For more information on Contract Specific Provisions, refer to the BellSouth LMU CLEC Information Package.

4.3 Billing Information

Manual LMU will be billed from the Carrier Access Billing System (CABS) on a 'C' Billing Account Number (BAN). All activities herein described and associated with a unique Uniform Service Order Code (USOC) will incur a unique nonrecurring charge.

5.1 Description of Ordering Process

The following points describe the high level Manual LMU Order Process Flow. Detailed information is presented within this Chapter in the Sections that follow.

To Request Manual LMU:

1. CLECs request manual loop makeup information by submitting a Firm Order *Manual Loop Makeup Service Inquiry (LMUSI)* and a Local Service Request (LSR) form to the Complex Resale Support Group-UNE Group (CRSG), or to their direct Account Team for those CLECs not supported by the CRSG. Hereafter within this document, the use of "CRSG/Account Team" refers to both the CRSG-UNE Group and the direct Account Team, which ever is applicable.

NOTE: For those CLECs supported by the CRSG, refer to Chapter 7.0: Guidelines for Interfacing with the CRSG UNE Group.

2. BellSouth will provide an acknowledgement to the CLEC upon receipt of a Manual LMU request from the CLEC.
3. The CRSG/Account Team submits the LMUSI to the geographically appropriate Service Advocacy Center (SAC).
4. The SAC specialist prepares the LMU as specified on the LMUSI and returns the LMU, and the Facility Reservation (RESID/FRN), if requested, to the CRSG/Account Team.
5. The CRSG/Account Team sends the LMUSI and LSR to the Local Carrier Service Center (LCSC) for Billing Service Order issuance.
6. The LCSC issues the Billing Service Order for the Manual LMU.
7. The LCSC renders the Firm Order Confirmation (FOC).
8. Once the FOC has been rendered, the CRSG/Account Team returns the LMU and the RESID/FRN, if applicable, to the CLEC.

Continued on next page

5.1 Description of Ordering Process

Continued from previous page

To Cancel Reservation(s):

1. To cancel a reservation on spare facilities, the CLEC submits the LMUSI form to the CRSG/Account Team with the Cancel FRN item indicated.
2. The LSR form is not required.
3. The CRSG/Account Team sends the Cancel FRN LMUSI to the SAC.

To Cancel Pending LMUSI:

1. To cancel a pending Manual LMUSI, for which no Loop Makeup information has been processed, the CLEC submits the LMUSI form to the CRSG/Account Team with the Cancel LMUSI item indicated.
2. The LSR form is not required.
3. The CRSG/Account Team sends the Cancel LMUSI to the SAC.

5.2 Submitting a Request

For a *Manual* Loop Makeup request, the CLEC prepares and submits the

- Local Service Request (LSR) Form, Local Service Ordering Guidelines Version 4 (LSOG 4) or later, and
- Loop Makeup Service Inquiry (LMUSI) Form

A copy of the LSR Form is available at the BellSouth Interconnection Services Web site in the CLEC Customer Guides Section at:

http://www.interconnection.bellsouth.com/guides/bst_lsog4.html

A copy of the LMUSI Form is located at the end of this Guide.

Both forms must be typewritten.

The CLEC submits the LSR and the LMUSI forms together to the CRSG/Account Team for processing. See Chapter 7.0: Guidelines for Interfacing with the CRSG UNE Group of this Guide when submitting requests to the CRSG.

For a working pair LMUSI, the end user's address will be required along with either the telephone number or the circuit ID (CKID).

For spare facilities LMUSI, only the address of the service location is required.

5.3 Manual LMUSI Instructions

Instructions for preparing the LMUSI Form follow. The instructions are organized by Section, by field.

The LMUSI is a two-page form. Page 2 is only required if LMU is being requested for more than one facility. A maximum of three facilities may be requested for a single service address per LMUSI request.

The form MUST be typewritten. Unless otherwise noted, there are no restrictions regarding length of fields or alphanumeric makeup of required information.

Section: "General Information "

Field	Instruction
Firm Order	Select for initial request
Cancel LMUSI	Select to cancel <u>pending</u> LMUSI for which LMU has not yet been processed
Cancel FRN	Select to cancel RESID/FRN for pair(s) previously reserved
Change	Select to update a pending Firm Order request
SI# (PON Number)	Enter the CLEC unique Purchase Order Number (PON). This entry always required.
Negotiator	Refers to the BellSouth CRSG/Account Team Representative Name
Negotiator's Tel Number	Refers to the BellSouth CRSG/Account Team Representative TN

NOTE: the reference "CRSG EMAIL ADDRESS: (CRSG UNE/m5,mail5a)" is for BellSouth use.

Section: "Customer Information"

Request Options: Select *Only One* of the Three Choices

1. Provide LMU at Telephone Number/CKID
2. Provide LMU at specified address for spare copper pair (loop facility)
3. Provide LMU at specified address for spare Digital Loop Carrier (DLC) pair

If Selected	Then Provide
LMU for working facility	Telephone number, or, Circuit ID (CKID)
LMU for spare copper pair	Number of spare pairs required – Maximum 3
LMU for spare DLC pair	Number of spare DLC pairs required – Maximum 3
	Reserve Pair(s)? YES / NO
	Reserve Pair(s)? YES / NO

NOTE On a Working Facility: For request on ported TNs, CLECs must use CKID

NOTE If Spare Facility(-ies): CLECs cannot request a mixture of copper and DLC pairs on a single LMUSI spare facility request. CLEC should provide a Y/N response regarding its choice for a reservation of the facility queried.

Continued on next page

5.3 Manual LMUSI Instructions

Section: "Customer Information", continued from previous page

Field	Instruction
Service Address	Enter the Local Exchange Navigation System (LENS), Telecommunications Gateway (TAG), or RoboTAG™ validated Service Address. Include any dept/floor/suite/room/apartment number, as well as, the U.S. postal zip code. This entry always required.
CLEC Company Name	Enter the requested information. This entry always required.
CLEC Contact/Tele No.	Enter the requested information. This entry always required.
Local Serving Central Office Common Language Location Identifier (CLLI)	Enter the eight character Serving Wire Center CLLI code. This entry always required.

Section: "Comments"

This section is always required with **Cancel FRN**.

Enter the FRN and Cable/Pair information for the reservation being cancelled.

5.4 Manual LSR Instructions

Instructions for preparing the Manual LSR Form follow. The instructions are organized by Section, by field.

Only the sections and fields specified herein (rather than the entire LSR Form) are required for purposes of processing a Manual LMUSI.

The form MUST be typewritten, using the LSOG 4 Version form. Please note specifications on length and alphanumeric makeup of required information.

Section: "Administrative Section"

Field	Instruction
CCNA	Enter the 3 Alpha Character Code Assigned to CLEC
PON	Enter the CLEC unique PON – MUST match SI# (PON) field of associated LMUSI
VER	Will be populated if sending a SUPP
LOCQTY	Enter the number of Loop Makeups being requested
SC	Always LCSC
PG OF	Enter the requested information
D/TSENT	Enter the requested information
DDD	Enter the requested information
REQTYP	Always AB
ACT	Always N
SUPP	Will be populated if sending a SUPP
CC	Enter the 4 character Numeric Code Assigned to CLEC
ACTL	Enter the CLEC 11 character CLLI code for the Serving Wire Center (SWC), where CLEC is physically or virtually collocated in BellSouth SWC
TOS	Always 1BF

Section: "Bill Section"

Field	Instruction
BAN1	Enter the established "C" BAN, or, "N" if BAN is not established. See NOTE below regarding "C" BAN
ACNA	Enter the 3 Alpha Character Code Assigned to CLEC

NOTE: If the CLEC does not have an established "C" BAN, populate this field with an "N" and the Local Carrier Service Center (LCSC) Service Representative will establish the "C" BAN for the CLEC. (See procedures below for how to establish a "C" BAN)

Continued on next page

5.4 Manual LSR Instructions

Section: "Bill Section", continued from previous page

Procedures for Establishing "C" BAN: The fields listed below are required in order to establish a "C" BAN for the CLEC. If the CLEC's "C" BAN is already established, and thus, the CLEC populates this in the "BAN1" field on the LSR form, then the CLEC will not need to fill in the fields below.

Field	Instruction
BILLNM	Enter CLEC Company Name
STREET	Enter the requested information
FLOOR	Enter the requested information
ROOM	Enter the requested information
CITY	Enter the requested information
STATE	Enter the requested information
ZIP CODE	Enter the requested information
BILLCON	Enter Contact at CLEC
TEL NO	Enter the requested information

The CRSG/Account Team will check the LSR form to insure that the "BAN1" field is populated with either a "C" BAN number, or, an "N", the latter of which would prompt the LCSC to establish a "C" BAN for the CLEC. If the "BAN1" field is not populated, then the CRSG/Account Team will clarify the LSR and LMUSI, returning both manual forms back to the CLEC for completion.

If a "C" BAN is established for the CLEC, it is returned via the FOC.

Section: "Contact Section"

Field	Instruction
FAX NO	Enter the FAX number where Firm Order Confirmation (FOC) is to be sent by the LCSC
INIT	Enter Name of person at CLEC who initiated LSR
TEL NO	Enter Telephone number of CLEC Initiator

A Reminder When Filling Out the LSR: If a CLEC is sending in an LSR for purposes of a Supplement (SUPP), then the CLEC must populate the "VER" and "SUP" fields on the LSR, business as usual (BAU).

5.5 The LMUSI Response

Information presented on the LMUSI Response is as follows.

Section: "Outside Plant Engineering Makeup Data (Nth) Requested Pair"

If the LMU was requested on a working Telephone Number/Circuit ID, Outside Plant Engineering (OSPE) will fill in the Cable and Pair numbers, and list the loop makeup of that Cable and Pair facility.

If spare facilities were requested and are available, Outside Plant Engineering (OSPE) will fill in the Cable and Pair numbers; will populate the FRN if a reservation was requested by the CLEC; and list the loop makeup of that Cable and Pair facility.

If spare facilities are not available, or if the number of pairs available is less than the number requested, OSPE will indicate in the **Comments** section no spare pairs are available or that only some of the pairs are available.

5.6 The LMU Content

Loop Makeup Data is defined as the physical characteristics of the loop facilities, starting at the BST central office (CO) listed in chronological order and ending at the serving distribution terminal. Loop makeup data will consist of cable gauge and length, bridged taps (BT), load coils (LC), presence of Digital Loop Carrier (DLC) and any other equipment that is part of the local loop facilities.

The loop makeup will be listed as cable sections (e.g., F1, F2, etc.) on the LMUSI response in chronological order starting at the CO and ending at the end user serving terminal. Each section of cable (F1, F2, etc.) is distinguished by the presence of a crossbox, as indicated by an X at the appropriate point within the loop makeup response. (For example: Cable F1 would run from the CO to the first cross box; Cable F2 would run from the first crossbox to the second cross box or to the end user's serving terminal.) Facility cable sections will include the cable gauge, the length of the cable, as well as any load coils and bridged taps contained within that cable section. Length is measured in kilofeet ("kft"). The location of load coils will be indicated by the code "LC"; bridge tap will be indicated by the code "BT". The LMU response will also include the length of the bridge tap. If the loop makeup includes DLC the type of DLC will be indicated.

An example of a loop makeup response is as follows:

26NL - 10 kft	(The first facility cable section, F1, is non-loaded 26 gauge)
BT; 26NL - 2 kft	(F1 also includes BT at the end of 10 kft; the BT is 26 gauge for 2.0 kft)
X	(Location of first crossbox; thus, F1 length is a total of 12 kft)
26NL - 2 kft	(The second facility cable section, F2, is non-loaded 26 gauge)

The total length of the facility in this example would be 14 kft. Responses for manual loop makeup will be provided in a similar fashion.

Continued on next page

5.6 The LMU Content

Continued from previous page

Use the following key to interpret the information returned on the loop makeup:

Code	Description
26NL	Indicates a section of 26-gauge cable non-loaded.
24NL 22NL 19NL	The other gauges are listed similarly. Changes to the numbers indicate the gauge (24NL, 22NL, and 19NL). Following this section designation is the length of the section in kilofeet to one decimal place.
26H88	Indicates a section of 26-gauge cable 88 milihenry loading.
24H88 22H88 19H88	The other gauges are listed similarly. Changes to the numbers indicate the gauge (24H88, 22H88, AND 19H88) and the loading marked as appropriate. The H indicates 6000 foot spacing between load coils; a D would represent 4500 foot spacing. The numbers following the H or D indicate the amount of inductance in milihenries.
LC	Location of a load coil. Following the LC indicator is the distance from the CO in kilofeet to one decimal place.
X	Location of a cross connect facility.
BT	Indicates that the following section is a Bridged tap. The bridged tap will be listed using the cable gauge and loading indicator above. Following the BT indicator is the length of the bridged tap section in kilofeet to one decimal place.
BOC.xxx	Indicates the location of a build out capacitor and its capacitance in microfarads.
DLC	Indicates the presence of Digital Loop Carrier (DLC). Following the DLC indicator is the type of DLC, e.g. DLC, Series 5.

6.1 Placing a UNE Service Order

Once the CLEC has received the LMU of a working TN or CKID, or received the LMU of spare facility(ies), and optionally reserved single or multiple spare pairs, the CLEC may determine if they wish to place an order for **BellSouth Unbundled Loop Modification CLEC Information Package** and/or for a UNE Service Order (e.g. for a 2-wire ADSL compatible loop). For such a UNE Service Order, either refer to **BellSouth Unbundled ADSL/HDSL Compatible Loops CLEC Information Package**, or to **BellSouth Unbundled Copper Loop CLEC Information Package**.

This information referenced above is located at the BellSouth Interconnection Services Web site in the CLEC Products Section at:

<http://www.interconnection.bellsouth.com/products/unes.html>

7.1 Submitting LMUSI & LSR to the CRSG UNE Group

Internet Email is required to submit LMUSI and LSR Forms to the CRSG UNE Group.

The following guidelines should be followed when submitting requests to the CRSG UNE Group.

Guidelines for Interfacing with the CRSG UNE Group

- In order to serve customers as efficiently as possible for manual requests, the CLEC should communicate with the CRSG UNE Group via email, whenever possible. New orders, CLEC initiated corrections, and clarification responses should be submitted via email
- The CRSG UNE Group email address is crsg.une@bridge.bellsouth.com.
- When submitting the request via email, submit only 1 PON (SI & LSR) per mail message
- Use the following guidelines in formatting the email subject header

Email Subject Header	Purpose
PON 12345 UNE NEW	For a new UNE order
PON 12345 CORRECTION	For a CLEC initiated correction or update
PON 12345 CLARIFICATION RESPONSE	For a clarification response
PON 12345 CANCEL	For a cancellation
PON 12345 STATUS	For a status request

Every effort should be used to submit requests to the CRSG UNE Group via Internet Email. In cases of extreme circumstances when Internet Email is not available, contact the UNE Group Sales Support Manager as indicated in Section 7.6 CRSG UNE Group Escalation Procedures of this document.

7.2 Verification Performed by the CRSG UNE Group

The CRSG UNE Group verifies the following fields on the LMUSI and LSR:

Form	Fields Verified
LMUSI	CLLI, ADDRESS, # OF SPARE PAIRS
LSR	ACTL, IBAN for "C" or "N"

7.3 Reporting Status to the CLEC

The CRSG UNE Group provides CLECs with the "Open PON Status Report" on a daily basis. The purpose of the report is to provide status of the PONs open in the CRSG for processing. A PON is considered closed in the CRSG once the PON has either been FOCd by the LCSC, or, the PON has been Cancelled. Once a PON has been posted 'Closed', it will no longer appear on the Open PON Status Report.

The report is pulled once per day, after 4:00pm CST, and sent via email to the designated recipient.

The following note is attached to each report:

"Because of the volume of PONs received, all PONs submitted for processing may not appear on this report today. However, they will appear on the report for the next business day. PONs received after 3:00pm CST will also appear on the report for the next business day. If possible, please allow two business days for PONs to appear on this report before checking the status or re-sending.

If you have questions regarding a particular PON listed, please inquire according to the UNE status process."

The report shows the following information:

- CLEC NAME
- DATE RECEIVED
- END USER NAME
- STATE
- TYPE OF SERVICE
- PON NUMBER
- CLARIFICATION DATE – IN & OUT
- DATE OF SERVICE INQUIRY
- DATE SENT TO LCSC
- CANCELLATION, if applicable
- NOTES TO CLEC

7.4 To Request UNE Status

To request PON specific UNE Status, the CLEC should send an Internet Email message to the CRSG UNE Email address at:

crsg.une@bridge.bellsouth.com

The Email message header should read as follows:

PON 12345 STATUS

where '12345' represents the PON Number, e.g. PON AL987654-00 STATUS.

7.5 To Specify CLEC Recipient of Open PON Status Report

To request a change to the Email Distribution List of the Open PON Status Report, send an Internet Email message to the CRSG UNE Email mailbox as stated in 7.4 above.

The Email message header should read as follows:

CHANGE DISTRIBUTION LIST

7.6 CRSG UNE Group Escalation Procedures

The following steps should be followed to initiate escalation within the CRSG UNE Group:

First Level of Escalation	Systems Designer assigned to the order
Second Level of Escalation	Customer Care Advocate Sharon Arnold (205) 321-3306
Third Level of Escalation	Sales Support Managers Cheryl Lewis (205) 321-4607 Ruby Neely (205) 321-4621
Fourth Level of Escalation	Sales Support Director Tracey Morant (205) 321-3192

Loop Makeup Service Inquiry

SI # (PON Num.) _____ Firm Order _____ Change _____ Cancel FRN _____ Cancel LMU SI _____
Negotiator _____
Negotiator Telephone Number _____
CRSG EMAIL ADDRESS: (CRSG UNE/m5.mail5a) _____

Customer Information:

(Choose one of the following three choices. CLEC to indicate loop makeup type required, by telephone number/CKID, spare at address/copper or spare at address/DLC)

_____ Provide LMU at Telephone Number/CKID _____

_____ Provide LMU at address listed below for spare copper pair. _____ Number of spare copper pairs required (Max. 3)
_____ Reserve Pair(s) in database (Y/N)?

_____ Provide LMU at address listed below for spare DLC pair. _____ Number of spare DLC pairs required (Max. 3)
_____ Reserve Pair(s) in database (Y/N)?

Service Address _____ CLEC Name _____
_____ CLEC Contact/Telephone number _____
_____ Local Serving Central Office CLLI _____

Outside Plant Engineering Makeup Data First Requested Pair:

Fill in Cable, pair and FRN if spares requested. Fill in FRN if reservation is requested.

Cable F1: _____ Pair: _____ FRN: _____
Cable F2: _____ Pair: _____
Cable F3: _____ Pair: _____
Cable F4: _____ Pair: _____

This is a loop makeup for facilities at the above cable and pair or telephone number indicated in Customer Information Section.

Comments

Prepared by (Facility Engineer) _____ Telephone Number _____

Return to Negotiator within 2 working days. Call negotiator if any delay is expected or incurred.

Revised 06-30-00

"The information contained herein is based upon BellSouth's records. This is the same information that BellSouth uses to determine loop compatibility for its own services. BellSouth cannot and does not warrant that the information contained herein is accurate in every case."

Loop Makeup Service Inquiry

SI # (PON Num.) _____ Negotiator _____

Negotiator Telephone Number _____

CRSG EMAIL ADDRESS: (CRSG UNE/m5.mail5a) _____

Outside Plant Engineering Makeup Data Second Requested Pair:

Fill in Cable, pair and FRN if spares requested, Fill in FRN if reservation is requested.

Cable F1:	_____	Pair:	_____	FRN:	_____
Cable F2:	_____	Pair:	_____		
Cable F3:	_____	Pair:	_____		
Cable F4:	_____	Pair:	_____		

This is a loop makeup for facilities at the above cable and pair.

Outside Plant Engineering Makeup Data Third Requested Pair:

Fill in Cable, pair and FRN if spares requested, Fill in FRN if reservation is requested.

Cable F1:	_____	Pair:	_____	FRN:	_____
Cable F2:	_____	Pair:	_____		
Cable F3:	_____	Pair:	_____		
Cable F4:	_____	Pair:	_____		

This is a loop makeup for facilities at the above cable and pair.

Comments

Prepared by (Facility Engineer) _____ Telephone Number _____

Return to Negotiator within 2 working days. Call negotiator if any delay is expected or incurred.

Revised 08-30-00

"The information contained herein is based upon BellSouth's records. This is the same information that BellSouth uses to determine loop compatibility for its own services. BellSouth cannot and does not warrant that the information contained herein is accurate in every case."

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BELLSOUTH TELECOMMUNICATIONS, INC.
DIRECT TESTIMONY OF THOMAS G. WILLIAMS
BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION
DOCKET NO. 960786-TL
May 31, 2001

Q. PLEASE STATE YOUR NAME, YOUR POSITION WITH BELLSOUTH TELECOMMUNICATIONS, INC. ("BELLSOUTH") AND YOUR BUSINESS ADDRESS.

A. My name is Thomas G. Williams. I am employed by BellSouth as Product Manager for Line-Sharing for the nine-state BellSouth region. My business address is 3535 Colonnade Parkway, Suite E511, Birmingham, Alabama, 35242.

Q. WHAT IS YOUR PROFESSIONAL EXPERIENCE AND EDUCATIONAL BACKGROUND?

A. My career at BellSouth spans over 14 years and includes positions in various product management positions. I also have seventeen years service with AT&T and Southern Bell, during which I held various positions in sales, marketing, and operations. I have a bachelor's degree in Marketing.

Q. HAVE YOU TESTIFIED PREVIOUSLY?

A. Yes. I previously testified before the Georgia, Louisiana, and Alabama Public Service Commissions and the Public Service Commission of South Carolina,

1 and filed testimony with the Alabama, and Florida Public Service
2 Commissions and the Public Utility Commission of North Carolina.

3 Q. WHAT IS THE PURPOSE OF YOUR DIRECT TESTIMONY?

4 A. The purpose of my testimony is to address certain aspects of the Commission's
5 Issue 5. First, I will demonstrate that BellSouth provides nondiscriminatory
6 access to the high frequency portion of the loop in compliance with
7 requirements of the Federal Communications Commission's (FCC) *Line-*
8 *sharing Order* and *Line-sharing Reconsideration Order*.¹ Second, I will
9 demonstrate that a single competing carrier, or two separate carriers acting
10 together, can provide voice and data services over a single unbundled loop
11 obtained from BellSouth (the FCC refers to the latter arrangement as "line
12 splitting.")²

13 **Issue 5: In Order PSC-97-1459-FOF-TL, issued November 19, 1997, the**
14 **Commission found that BellSouth met the requirements of Section 271 (c) (2)**
15 **(B) (iv) of the Telecommunication Act of 1996. Does BellSouth currently**
16 **provide unbundled local loop transmission between the central office and the**
17 **customer's premises from local switching or other services, pursuant to**
18 **Section 271 (c) (2) (B) (iv) and applicable rules and orders promulgated by**
19 **the FCC?**

20 Q. WHAT IS LINE SHARING?

¹ *Deployment of Wireline Services Offering Advanced Telecommunications Capability and Implementation of Local Competition Provisions of the Telecommunications Act of 1996*, Third Report and Order CC Docket No. 98-147 and Fourth Report and Order CC Docket No. 96-98, 14 FCC Rcd 20,912 (1999) ("*Line-sharing Order*"); *Deployment of Wireline Services Offering Advanced Telecommunications Capability*, Order on Remand, CC Docket Nos. 98-147, 98-11, 98-26, 98-32, 98-78, 98-91 (1999) ("*Line-sharing Reconsideration Order*").

² *Line-sharing Reconsideration Order*, ¶ 16-18.

1 A. Line sharing allows a Competitive Local Exchange Carrier (CLEC) to provide
2 high speed data services to BellSouth voice customers. The CLEC's data
3 service is provisioned over the high frequency portion of a copper loop. The
4 high frequency portion of the loop is the frequency range above the voice band
5 on a copper loop facility that is being used to carry analog circuit switched
6 voice band transmissions.³ The data signal typically is split off from the voice
7 signal by a splitter and then delivered to a digital subscriber line access
8 multiplexer (DSLAM) located in the CLEC's network at its collocation space.
9 The DSLAM converts the data signal into packets for transmission over the
10 CLEC's network.

11 BellSouth developed its line-sharing product in conformance with the
12 obligations set forth in the FCC's *Line-sharing Order* and the *Line-sharing*
13 *Reconsideration Order*. In these Orders, the FCC created a new Unbundled
14 Network Element ("UNE") that consisted of the high frequency portion of the
15 copper loop over which the Incumbent Local Exchange Carrier ("ILEC")
16 provides analog voice service to the end user. According to the FCC, line
17 sharing consists of the following:

- 18 • Two carriers - one voice provider (ILEC) and one data provider
19 (CLEC) serving a customer at a single address, i.e., one
20 customer per loop. (*Line-sharing Order*, 14 FCC Rcd at
21 20,948, ¶ 74);
- 22 • xDSL technologies that do not use the frequencies immediately
23 above the voice band, (i.e. ADSL), preserving a "buffer" zone

³ 47 C.F.R. §51.319(h)(1).

1 to ensure the integrity of the voice band traffic (*Id.*, at 14 FCC
2 Rcd at 20,943-44, ¶¶64);

- 3 • xDSL technologies that do not interfere with analog voice band
4 transmission. (*Id.* at 14 FCC Rcd at 20,946-47, ¶¶ 70-71); and
- 5 • Lines that carry traditional Plain Old Telephone Service (POTS)
6 analog voice band services provided by the ILEC. If the
7 ILEC's retail POTS service is disconnected, the data provider
8 must purchase the entire stand-alone loop if it wishes to
9 continue providing xDSL to the customer. Similarly, ILECs are
10 not required to provide line sharing to a requesting carrier when
11 the CLEC purchases a combination of network elements known
12 as a UNE platform. (*Id.*, at 14 FCC Rcd at 20,947-48, ¶¶ 72-
13 73).

14 BellSouth offers line sharing in accordance with FCC rules. Specifically, line-
15 sharing is available to a single requesting carrier, on loops that carry
16 BellSouth's POTS, so long as the xDSL technology deployed by the requesting
17 carrier does not interfere with the analog voice band transmissions. BellSouth
18 allows line-sharing CLECs to deploy any version of xDSL that is presumed
19 acceptable for shared-line deployment in accordance with FCC rules and will
20 not significantly degrade analog voice service. To facilitate line sharing,
21 BellSouth will perform Unbundled Loop Modification (line conditioning) at
22 the request of a CLEC on any loop, regardless of loop length, unless such
23 conditioning would significantly degrade the customer's analog voice service
24 provided by BellSouth.

1 Q. HOW WAS BELLSOUTH'S LINE SHARING OFFERING DEVELOPED?

2 A. In accordance with the suggestion in the *Line-sharing Order*,⁴ BellSouth
3 developed its line-sharing product through a collaborative process with all
4 interested CLECs. BellSouth invited CLECs to a collaborative line-sharing
5 meeting in Atlanta on January 26, 2000. Twelve CLECs participated in the
6 meeting. The participants agreed to form several working teams to develop,
7 test, and refine the procedures for use by CLECs and BellSouth to implement
8 line-sharing successfully. The first meeting of the working teams was held on
9 February 2, 2000. The participants jointly decided to have two sub-
10 committees: a technical sub-committee and a systems/process sub-committee.
11 Each sub-committee would meet one day each week. The technical sub-
12 committee worked on technical issues, such as systems/network architecture
13 and testing. The systems/process sub-committee focused on the pre-ordering,
14 ordering, provisioning, maintenance, and billing issues associated with line
15 sharing. Each sub-committee listed and prioritized issues and action items.
16 The sub-committees addressed and resolved issues essential to the
17 development of the architecture and operations plan for the line-sharing
18 product. Beginning April 12, 2000, the collaborative consolidated the two sub-
19 committees and conducted the collaborative meetings on one full day each
20 week.

21 Q. WHAT WAS THE GOAL OF THE COLLABORATIVE MEETINGS?

22 A. The primary goal of the collaborative meetings was to jointly develop
23 procedures and operations plans to implement central office-based line sharing.
24 Attached to my testimony are several exhibits that the participants developed

⁴ *Line-sharing Order*, 14 FCC Rcd at 20,971-72, ¶ 128.

1 in the collaborative to assist in the development of the line-sharing product.
2 Exhibit TGW-1 demonstrates the order flow for the ordering and provisioning
3 of line-sharing splitters. Exhibit TGW-2 details the ordering and provisioning
4 process for end user line-sharing orders. Exhibit TGW-3 is the Line-Sharing
5 Ordering Document (“LSOD”) that CLECs use for ordering splitters or making
6 changes in splitters. Exhibit TGW-3A is the Line Sharing LSR Field
7 Information. Exhibit TGW-4 is a document entitled “Job Aid for Loop
8 Qualification System (LQS)”, which assists the CLECs in qualifying loops for
9 xDSL services. Exhibit TGW-5 is the “BellSouth Business Rules for Local
10 Orders” to assist CLECs in preparing line-sharing LSRs. Exhibit TGW-6 is a
11 jointly developed maintenance flow that shows how troubles are reported and
12 handled both for voice and data over line-shared loops. Exhibit TGW-7 is a
13 document that was provided to the CLECs at the collaborative meeting and
14 that explains how CLECs can access BellSouth’s Trouble Administration and
15 Facilitation Interface (“TAFI”) to report troubles, check the status of a reported
16 trouble, or to run a mechanized loop test (“MLT”) for line shared loops. This
17 exhibit is an extract from the CLEC TAFI documentation on the BellSouth
18 Interconnection web site. Exhibit TGW-8 shows the Trouble Receipt Process
19 Flow for CLECs to report line sharing data troubles to BellSouth and shows
20 how the CLEC uses BellSouth’s TAFI for line sharing.

21 Six companies regularly participated in the joint CLEC/BellSouth meetings for
22 central office-based line sharing: BellSouth, Covad, NorthPoint, Rhythms,
23 NewEdge, and DuroCommunications. Other companies also participated in
24 the meetings, although less actively. They include AT&T, MCI, BlueStar,
25 NetworkTelephone, and Sprint.

1 Beginning June 28, 2000, the collaborative formed two additional teams. One
2 team is addressing the development of the CLEC-owned splitter option for
3 central office-based line sharing. Exhibit TGW-9 is the charter for this
4 collaborative team. Active participants for this collaborative team are the
5 “owners” listed in the charter: BellSouth, Covad, DuroCommunications,
6 NewEdge, Rhythms, and Sprint. NorthPoint was a monitoring member. The
7 second new collaborative team is developing the architecture and procedures
8 for remote-site line sharing. Covad, Rhythms, DuroCommunications,
9 NewEdge, and Sprint have been regular participants for the Remote Site Line-
10 sharing Collaborative. The charter for this collaborative is Exhibit 10. These
11 new collaborative teams meet on alternate weeks for one half day. The CLEC-
12 owned splitter arrangement and remote-site line sharing are discussed in more
13 detail later in my testimony.

14 One important part of the line sharing collaborative was the joint test of line-
15 sharing procedures, which was, in essence, an extensive carrier-to-carrier test
16 of the product. BellSouth and the CLECs jointly created the Atlanta Line-
17 sharing Pilot (the “Pilot”) to test and refine the line-sharing procedures for end
18 user service so BellSouth and CLECs could successfully implement line
19 sharing on June 6, 2000. The specific pilot objectives included various aspects
20 of the line-sharing ordering and provisioning process including qualification of
21 loops for line-sharing, and ordering and provisioning of access to the high
22 frequency portion of the loop for the CLEC to provide data service. All parties
23 agreed to work cooperatively to identify and resolve key ordering,
24 provisioning, maintenance, and repair procedures.

1 Covad, NorthPoint, and Rhythms participated in the Pilot with BellSouth.
2 These parties all agreed that the results of the Pilot would be shared with all of
3 the participants in the collaborative.

4 BellSouth equipped eight Atlanta central offices (Marietta, Roswell, Buckhead,
5 Peachtree Place, Duluth, Sandy Springs, Chamblee, and Toco Hills) with
6 splitters for the Pilot. The CLECs selected and prioritized these pilot sites.

7 The Pilot was completed successfully in the second quarter of 2000. During the
8 Pilot, the participants tested the procedures for provisioning of end user line-
9 sharing service. Throughout the Pilot, the participants collectively analyzed
10 the line-sharing processes and procedures that had been developed, and then
11 made necessary adjustments to assure a successful line sharing commercial
12 launch. At each step, BellSouth and the CLEC participants shared the
13 decisions and results of the Pilot with their respective internal implementation
14 organizations responsible for development of the necessary processes and OSS
15 enhancements.

16 Q. WHAT STEPS DID BELL SOUTH TAKE TO INSURE IT COULD BEGIN
17 OFFERING LINE SHARING END USER SERVICE WHEN THE FCC
18 INTENDED?

19 A. To ensure that CLECs could avail themselves of the line-sharing product on
20 June 6, 2000, BellSouth permitted CLECs to order splitters in advance of the
21 implementation deadline. In Georgia, CLECs began ordering splitter systems
22 on March 26, 2000. In other states, including Florida, ordering began on April
23 6, 2000. On June 6, 2000, BellSouth began accepting end user line-sharing
24 orders from CLECs. BellSouth provisioned these orders in accordance with

1 the procedures developed in the CLEC/BellSouth Collaborative Meetings and
2 in the Pilot.

3 Q. HAS BELLSOUTH ENTERED INTO INTERCONNECTION
4 AGREEMENTS FOR LINE SHARING WITH CLECS IN FLORIDA?

5 A. Yes. BellSouth has entered into region-wide interconnection agreements with
6 CLECs such as Covad, NewEdge, BlueStar, NorthPoint, and Rhythms for the
7 ordering and provisioning of line sharing in the BellSouth region. Copies of
8 these line-sharing agreements are attached as Exhibits TGW-11, TGW-12,
9 TGW-13, TGW-14, and TGW-15 to my testimony. These agreements are
10 current and in effect in Florida and several other agreements containing line
11 sharing will soon be signed. Many of the general provisions and operational
12 terms and conditions found in these agreements were worked out in the weekly
13 collaborative meetings. Specific language for each CLEC was negotiated to
14 satisfy the needs of that CLEC. These agreements contain interim rates,
15 subject to true up from the individual state regulatory bodies, including the
16 Florida Public Service Commission. BellSouth's proposed rates for line
17 sharing are discussed in the testimony of Daonne Caldwell, filed in this
18 proceeding. The use of interim rates allowed CLECs to engage in line sharing
19 by the FCC's June 6, 2000 implementation deadline.

20 BellSouth also offers line sharing in its Revised Florida Statement of Generally
21 Available Terms and Conditions (SGAT). Proposed rates for line-sharing are
22 set forth in Attachment A to the SGAT and are supported by cost studies filed
23 with the Commission in this proceeding. The current version of BellSouth's
24 standard terms and conditions for line sharing offered to CLECs is attached to
25 my testimony as Exhibit TGW -16.

1 Q. WHAT ARCHITECTURE IS BELLSOUTH USING TO DEPLOY LINE
2 SHARING?

3 A. Attached to this testimony, as Exhibit TGW-17, is a diagram that illustrates the
4 splitter arrangement for the BellSouth-owned splitter in the central office.
5 BellSouth allows CLECs to order splitters in three different increments: full
6 shelf (96 line units); one-fourth of a shelf (24 line units); or an 8-port option,
7 currently under development. Under these options, BellSouth purchases,
8 installs, inventories, leases, and maintains the splitters. BellSouth installs a
9 splitter in its equipment space or in a common area close to the CLEC's
10 collocation area. BellSouth will provide to requesting carriers loop and splitter
11 functionality that is compatible with any transmission technology that the
12 requesting carrier seeks to deploy using the high frequency portion of the loop,
13 provided that such transmission technology is deployable pursuant to Section
14 51.230 of the FCC rules. BellSouth provides a bantam jack at the splitter so
15 the CLEC can test the high frequency portion of the loop.

16 Under any of these three options, a group of splitter ports is assigned to a
17 specific CLEC. The splitter is connected to BellSouth's frame via cabling.
18 One cable is connected to the splitter carrying the shared voice and data signal
19 from the frame to the splitter. A second cable carries the voice traffic from the
20 splitter back to the frame. A third cable carries the data traffic from the splitter
21 to the frame. After the cables are run between the splitter and the frame, the
22 technician performs a "streaker card" test. This test insures appropriate
23 connectivity between the splitter and the BellSouth frame and that the splitter
24 is ready to support end user line sharing orders.

1 When wiring the end user line sharing service, collocation cross-connections
2 are used to connect the loop carrying the shared voice and data traffic to the
3 splitter termination on the frame. A second cross-connection carries the voice
4 traffic from the splitter termination to the BellSouth voice switch. The data
5 traffic is then carried to the CLEC collocation space by a cross connection.
6 After the wiring is completed for the end user line service, BellSouth tests the
7 voice service and also the cross-connections necessary to provide end user data
8 service. In order to verify that the data cross-connections are correct,
9 BellSouth recently completed work with a supplier who developed a Line-
10 sharing Verification Transmitter test set. BellSouth technicians use this test
11 set to ensure that the data portion of the circuit is wired correctly for the end
12 user service.

13 Q. DOES BELLSOUTH ASSIST CLECS IN DETERMINING IF LOOPS
14 QUALIFY FOR ITS DATA SERVICE?

15 A. Yes. BellSouth provides its loop make up information via the Loop Make Up
16 service that a CLEC may use to help determine if a loop can support the
17 CLEC's data service. Loop make-up information for a particular loop is the
18 same whether the CLEC intends to purchase a stand-alone xDSL-capable loop
19 or engage in line sharing. Thus, there is no difference in the process for
20 obtaining loop make-up information between the two offerings. CLECs can
21 submit requests for loop make-up information manually as described in the
22 testimony of Wiley (Jerry) G. Latham, or they can use the Local Exchange
23 Navigation System (LENS) and Telecommunications Access Gateway (TAG)
24 electronic interfaces. CLECs may obtain certain pre-qualification information

1 regarding a loop by accessing the Loop Qualification System described in
2 Exhibit TGW-4.

3 Q. WHAT ARE THE CLEC'S OPTIONS IF THE LOOP IS DETERMINED TO
4 BE UNSUITABLE FOR ITS DATA SERVICE?

5 A. The CLEC may request that BellSouth modify the loop with BellSouth's
6 Unbundled Loop Modification (ULM) offering. ULM allows the CLEC to
7 order removal of load coils or excessive bridged tap. ULM for line sharing is
8 the same process described in the testimony of Wiley (Jerry) G. Latham.

9 If the CLEC determines that a loop cannot be used or conditioned to provide
10 data service on the high frequency spectrum, the CLEC can attempt to identify
11 alternative loops via the Loop Make Up process (LMU). If unloaded copper
12 loops are available, the CLEC can reserve the facility for 96 hours. The LMU
13 process will provide the CLEC a facility reservation number (FRN). The
14 CLEC may place the FRN on the line sharing LSR to have high frequency
15 spectrum provisioned on the reserved loop.

16 If modifying a loop will significantly degrade the voice services BellSouth is
17 providing over a loop, and the CLEC is unable to locate another loop that
18 satisfies the technical requirements of the CLEC, the CLEC will not be
19 allowed to offer data service on a loop shared with BellSouth. If necessary,
20 BellSouth will make a showing to the state commission that the existing voice
21 service will be degraded and that no alternative loops are available.

22 Q. HOW DOES THE CLEC ORDER LINE SHARING?

1 A. A Local Service Request (“LSR”) for line sharing is generally the same as an
2 LSR for xDSL-capable loops. The only difference is that an LSR for line
3 sharing requires some additional information, namely a splitter assignment on
4 the LSR. The purpose of the splitter assignment on the LSR is to direct
5 BellSouth technicians to the correct splitter port for the order. A CLEC LSR
6 for line-sharing specifies the splitter assignment by specifying the CLEC
7 ACNA, central office floor, isle number, relay rack, splitter shelf, and slot.
8 The LSR also specifies the CLEC cable ID and cable pair to access the high
9 frequency portion of the loop. Exhibit TGW-3A to my testimony specifies the
10 fields required on the line-sharing LSR. The process flow for an end user line-
11 sharing order is shown in Exhibit TGW-2.

12 Q. CAN YOU DESCRIBE BELLSOUTH’S PROCESS FOR PROVISIONING
13 LINE SHARING SERVICE?

14 A. BellSouth provisions line sharing under terms and conditions established with
15 the CLECs during the collaborative process described above. These terms and
16 conditions regarding provisioning of line sharing are contained in
17 interconnection agreements and BellSouth’s Revised SGAT. Exhibits TGW-1
18 and TGW-2 to my testimony demonstrate the ordering and provisioning
19 processes for line-sharing splitters and end user line-sharing orders.

20 As with any new product offering, BellSouth has experienced some isolated
21 difficulties in the provisioning process. For example, BellSouth experienced
22 problems in the installation of the splitters that necessitated certain network
23 related remedial actions and additional training. BellSouth is committed to
24 addressing these issues on an ongoing basis through the collaborative process
25 and one-on-one communications with CLECs. For instance, BellSouth

1 conducted "streaker card tests" for all central offices where line-sharing
2 splitters are installed. A streaker card test determines if the splitter is correctly
3 cabled to the frame. BellSouth has corrected every service affecting condition
4 that this streaker card test revealed. Moreover, the streaker card test is now
5 part of BellSouth's installation procedures and will be performed on all new
6 line-sharing splitters. In addition, in December 2000, BellSouth enhanced its
7 Mechanized Loop Test (MLT) System such that MLT will have the capability
8 to detect the presence of a line-sharing splitter. This capability will allow
9 CLECs to access MLT through CLEC TAFI to verify that the splitter is in
10 place prior to dispatching its technician.

11 Q. HOW CAN CLECS DETERMINE IF THEIR LINE SHARE
12 INSTALLATION ORDERS ARE COMPLETED?

13 A. Two ways. BellSouth's CLEC Service Order Tracking System (CSOTS)
14 provides data local exchange carriers (LECs) the status of their line sharing
15 billing orders. On April 27, 2001, BellSouth provided an enhancement to let
16 the data LECs view the status of their provisioning orders. BellSouth will
17 continue to provide data LECs with a "line sharing COSMOS report" that
18 provides the status of the BellSouth line sharing work order. The data LEC
19 simply has to check either of these reports and it will be advised as to the
20 current status of its order.

21 Q. WHAT PROCESS DOES BELL SOUTH USE FOR MAINTENANCE AND
22 REPAIR OF LINE SHARING SERVICE?

23 A. With stand-alone xDSL-capable loops, CLECs can report troubles with line-
24 sharing manually or using one of the maintenance and repair interfaces.

1 BellSouth provides, on a nondiscriminatory basis, physical test access points to
2 a requesting carrier through a standardized interface commonly referred to as a
3 "bantam test jack" for the purpose of loop testing, maintenance and repair
4 activities. In order to test the voice portion of the loop, CLECs can access
5 MLT through TAFI. In addition, BellSouth has developed interim Line-
6 sharing Joint Meet Procedures that allow BellSouth and CLEC technicians to
7 meet in a central office, when standard trouble reporting procedures do not
8 resolve a trouble. BellSouth expects to discontinue use of this process once it
9 is determined to no longer be necessary.

10 Q. WHAT IS BELLSOUTH'S POSITION CONCERNING TESTING DATA
11 CONTINUITY?

12 A. As described under provisioning, BellSouth is willing to test continuity of the
13 data circuit wiring. In January 2001, BellSouth announced to the line sharing
14 collaborative that BellSouth would begin using a new Line Sharing
15 Verification Transmitter (LSVT) to test the wiring of the loops for line sharing.
16 The device is now being deployed and use of this device has been included in
17 procedures for installation and maintenance of line sharing loops.

18 Q. HAS BELLSOUTH PROVISIONED LINE SHARING SERVICE IN
19 FLORIDA?

20 A. Yes. As of April 30, 2001, BellSouth had installed splitters in 470 wire centers
21 region-wide, and 123 wire centers in Florida. As of April 30, 2001, BellSouth
22 has provisioned line sharing on 780 lines in Florida and 2,765 lines region-
23 wide.

1 Q. IS BELLSOUTH WILLING TO CONSIDER ANY OTHER
2 ARCHITECTURES FOR PROVIDING LINE SHARING?

3 A. During the initial meetings of the collaborative, several CLECs requested the
4 option of providing line sharing via a CLEC-owned splitter located in the
5 CLEC's collocation space. BellSouth agreed to investigate a CLEC-owned
6 splitter option in the collaborative meetings following the successful
7 commercial launch of the BellSouth-owned splitter product on June 6, 2000.
8 As described earlier, the parties established an additional collaborative to serve
9 as a vehicle for these discussions. Exhibit TGW-9 to my testimony is the
10 charter for this initiative. The goal of this collaborative team was to "support
11 the development of, with the mutual agreement to, the processes and
12 procedures required to jointly implement line-sharing utilizing CLEC-owned
13 splitters collocated in the central office...." See Exhibit TGW-9. This
14 collaborative developed processes and procedures that enable CLECs to
15 engage in line sharing by means of a CLEC-owned splitter. Rates for line
16 sharing via a CLEC-owned splitter are set forth in Attachment A to
17 BellSouth's Revised SGAT. A diagram for the planned CLEC-owned splitter
18 option for line sharing in the central office is Exhibit TGW-18 to my
19 testimony.

20 Despite the initial enthusiasm for a CLEC-owned splitter arrangement, to date
21 no CLEC has installed its own splitter. Sprint committed to test the option
22 beginning in January 2001, but then withdrew. No other CLEC has agreed
23 even to test this option with BellSouth. BellSouth remains committed to
24 testing its offer of line sharing via a CLEC-owned splitter.

1 In the line sharing collaborative, BellSouth and the CLECs jointly agreed to a
2 schedule for development of methods and procedures for the various
3 requirements of the *Line Sharing Order*. Exhibit TGW-10 to my testimony is
4 the charter for the remote terminal collaborative team. The stated goal of this
5 collaborative “is to support the development of, with the mutual agreement to,
6 the processes and procedures required to jointly implement line-sharing
7 utilizing splitters located in the remote terminal as one of the options to meet
8 the requirements of the FCC line-sharing order.” See Exhibit TGW-10.
9 BellSouth has developed the RT Line Sharing option and performed internal
10 testing. Because no CLEC had collocated a DSLAM in a remote terminal, nor
11 demonstrated interest in ordering the RT line sharing option, the RT line
12 sharing development effort has been suspended. BellSouth has completed
13 internal testing and the development of methods and procedures. BellSouth
14 can deliver this option 60 days after successful completion of end-to-end
15 testing with a participating CLEC.

16 Notwithstanding the apparent lack of CLEC interest, BellSouth stands ready to
17 provide line sharing from the remote terminal, if requested. BellSouth will
18 work independently with any interested CLEC to provide this service. To
19 provide line sharing from the remote terminal, the CLEC must collocate in the
20 remote terminal and place a DSLAM in its collocation space. The CLEC may
21 then purchase the high frequency portion of the copper subloop from the
22 remote terminal to the end user customer. To date, however, no CLEC has
23 requested line sharing from the remote terminal or line sharing over the copper
24 portion of the loop from the remote terminal to the customer premises.

25 Q. WHAT IS LINE SPLITTING?

1 A. Line splitting is when a CLEC provides voice service and a data LEC provides
2 data service to the same end user over the same loop and neither of the carriers
3 is BellSouth. BellSouth will allow CLECs (either one CLEC or two CLECs
4 working together) to offer both voice and data over a single unbundled loop.
5 *See Revised SGAT, §IV.B9.*

6 Q. HOW DOES BELLSOUTH PLAN TO OFFER LINE SPLITTING?

7 A. BellSouth offers the same arrangement to CLECs as that described by the FCC
8 in the Texas 271 Order and the *Line-sharing Reconsideration Order*.
9 Specifically, BellSouth facilitates line splitting by CLECs by cross-connecting
10 an xDSL-capable loop and a port to the collocation space of either the voice
11 CLEC or the data CLEC. The CLECs may then connect the loop and the port
12 to a CLEC-owned splitter, and split the line themselves.

13 Q. IF BELLSOUTH IS CURRENTLY THE VOICE PROVIDER AND A
14 PROVIDER OF DATA SERVICES (A "DATA CLEC") IS THE
15 ADVANCED SERVICES PROVIDER, AND THE END USER
16 SUBSEQUENTLY CHOOSES A CLEC FOR VOICE SERVICE (A "VOICE
17 CLEC"), HOW WOULD LINE SPLITTING OCCUR?

18 A. If the original line sharing arrangement was established with a Data CLEC-
19 owned splitter, then BellSouth would not be involved with the splitter
20 provisioning and, accordingly, any decisions regarding use of the splitter
21 would be left up to the Data CLEC. If, however, the original line sharing
22 arrangement were established with a BellSouth-owned splitter, then BellSouth
23 would allow the Data LEC to continue leasing the BellSouth splitter under the
24 following conditions:

- 1 • The existing Data CLEC remains the end user's advanced services
2 provider, and
- 3 • The Data CLEC has an agreement with the Voice CLEC to use the
4 upper frequency spectrum of the loop to continue providing the
5 advanced services.

6 Q. WHAT PLANS DOES BELLSOUTH HAVE TO PROVIDE LINE
7 SPLITTING OTHER THAN CONVERTING FROM LINE SHARING?

8 A. Where a line sharing arrangement does not already exist, BellSouth will work
9 cooperatively with Voice CLEC and Data LEC to develop methods and
10 procedures whereby a Voice CLEC and Data LEC may provide services over
11 the same loop. Under this process, BellSouth will deliver a loop and port to
12 the collocation space of either the Voice CLEC or Data LEC, as specified in
13 the *Line Sharing Reconsideration Order*. The loop and port cannot be a loop
14 and port combination (i.e. UNE-P), but must be individual stand-alone network
15 elements. The Voice CLEC or the Data LEC shall be responsible for
16 connecting the loop and port to a CLEC-owned splitter. BellSouth shall not
17 own or maintain the splitter used for this purpose.

18 To participate in line splitting, the voice provider, the data provider, or both the
19 voice and data providers will need a collocation agreement with BellSouth and
20 will need authorization to order cross-connections, loops, and ports. If more
21 than one CLEC is involved, the second CLEC will need an agreement to share
22 the CLEC of record's loop. This arrangement would provide a UNE loop and
23 port to provide the CLEC's end user with voice service. The high frequency
24 portion of the loop would be available for data because of the CLEC-provided
25 splitter, which is accessed via a cross-connection from the frame to the

1 CLEC's collocation space. A second cross-connection would return the voice
2 signal from the splitter in the collocation space to the BellSouth voice switch
3 port. BellSouth would bill the CLEC that purchases the loop and the purchaser
4 of the loop will be responsible for all charges associated with the line splitting
5 UNE arrangement. Where the data LEC is different than the voice CLEC, the
6 purchaser of the loop may authorize the other party to act on their behalf. For
7 example, the voice CLEC and data LEC may need an arrangement between
8 themselves for the data LEC to report data troubles.

9 Q. WHAT PLANS DOES BELLSOUTH HAVE FOR A LINE SPLITTING
10 COLLABORTATIVE?

11 A. BellSouth announced a "kick-off" meeting to discuss Line Splitting and to
12 initiate a Line Splitting Collaborative. This meeting was April 19, 2001 in
13 Atlanta. Eight voice CLECs and data LECs attended the kick-off and indicated
14 an interest in participating in the collaborative. The first line splitting industry
15 collaborative was held May 3, 2001. The line splitting collaborative plans to
16 meet weekly until the product is introduced and stable. Notwithstanding the
17 Collaborative Schedule, however, BellSouth stands ready to provide line
18 splitting, if requested. BellSouth will work independently with any interested
19 CLEC to provide this service.

20 Q. WHAT CHARGES DOES BELLSOUTH BELIEVE ARE APPROPRIATE
21 FOR LINE SPLITTING?

22 A. The applicable recurring charges to be paid by the Voice CLEC for this line
23 splitting arrangement will be the loop, the port, and two collocation cross-
24 connections, as shown on Exhibit TGW-19. The applicable nonrecurring

1 charges to be paid by the Voice CLEC for this line splitting arrangement will
2 be the nonrecurring rate for the loop-port combination (switch-with-change to
3 add the two cross connections).

4 The rates for line splitting are not independent rates but rather are comprised of
5 cost-based rates already set forth in Attachment A to BellSouth's Revised
6 SGAT and in various interconnection agreements.

7 Q. DOES THIS CONCLUDE YOUR TESTIMONY?

8 A. Yes.

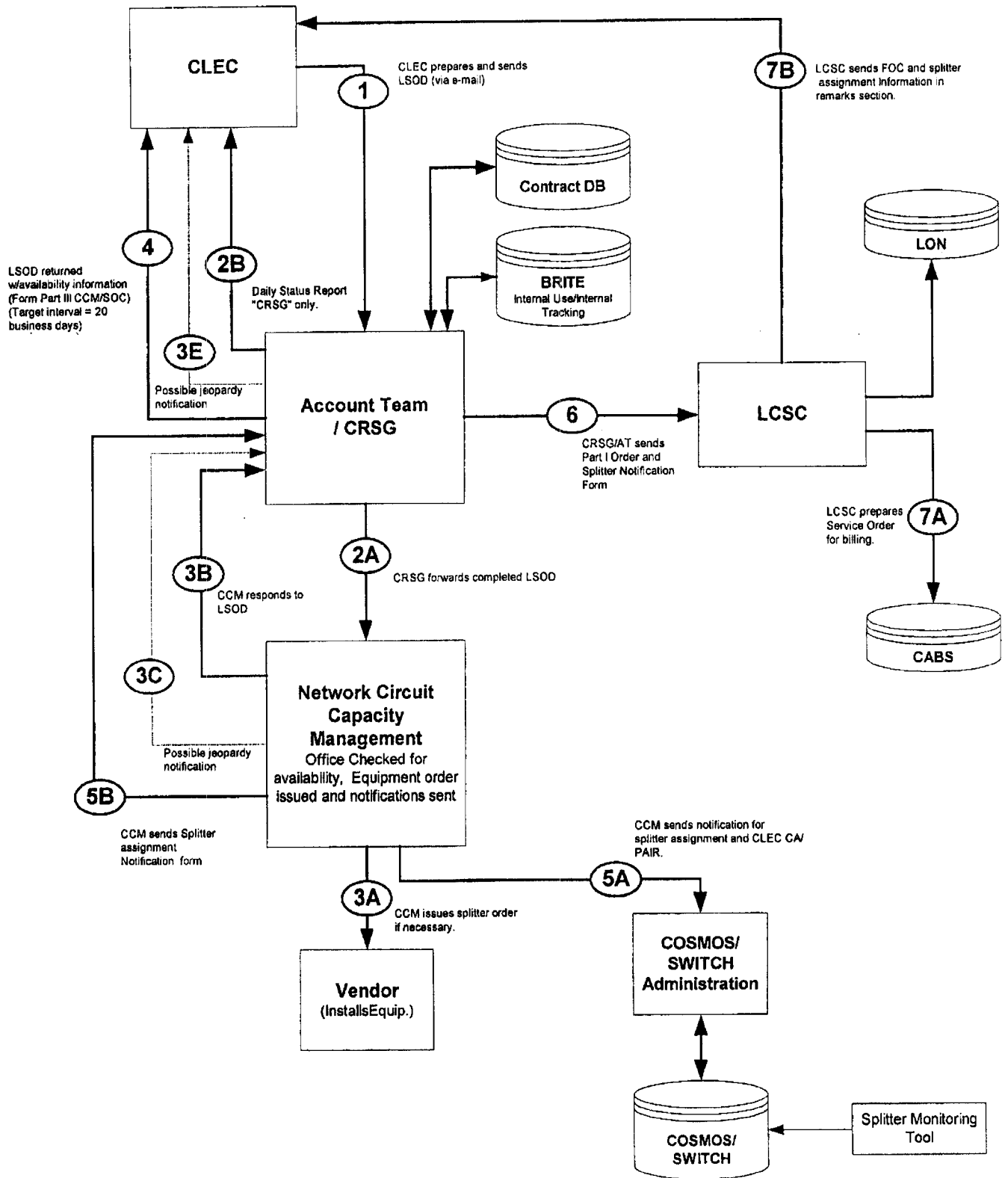
EXHIBIT TGW-1

Splitter Pre-Provisioning Flow

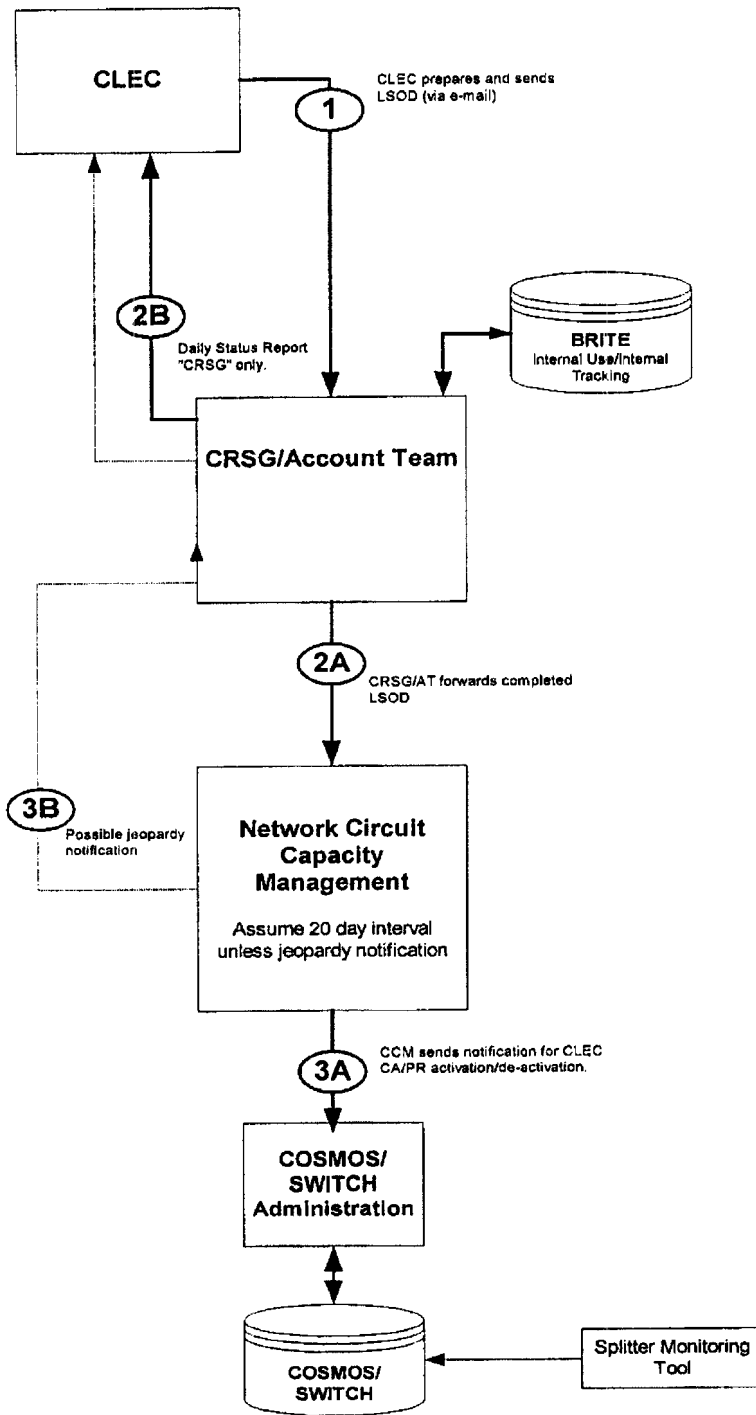
SPLITTER PRE-PROVISIONING FLOW

Initial Splitter Order

9/18/00



SPLITTER PRE-PROVISIONING FLOW Pair Activation/Deactivation 10/24/00



LSOD (Line Sharing Splitter Order Document)

Date: 10/24/00

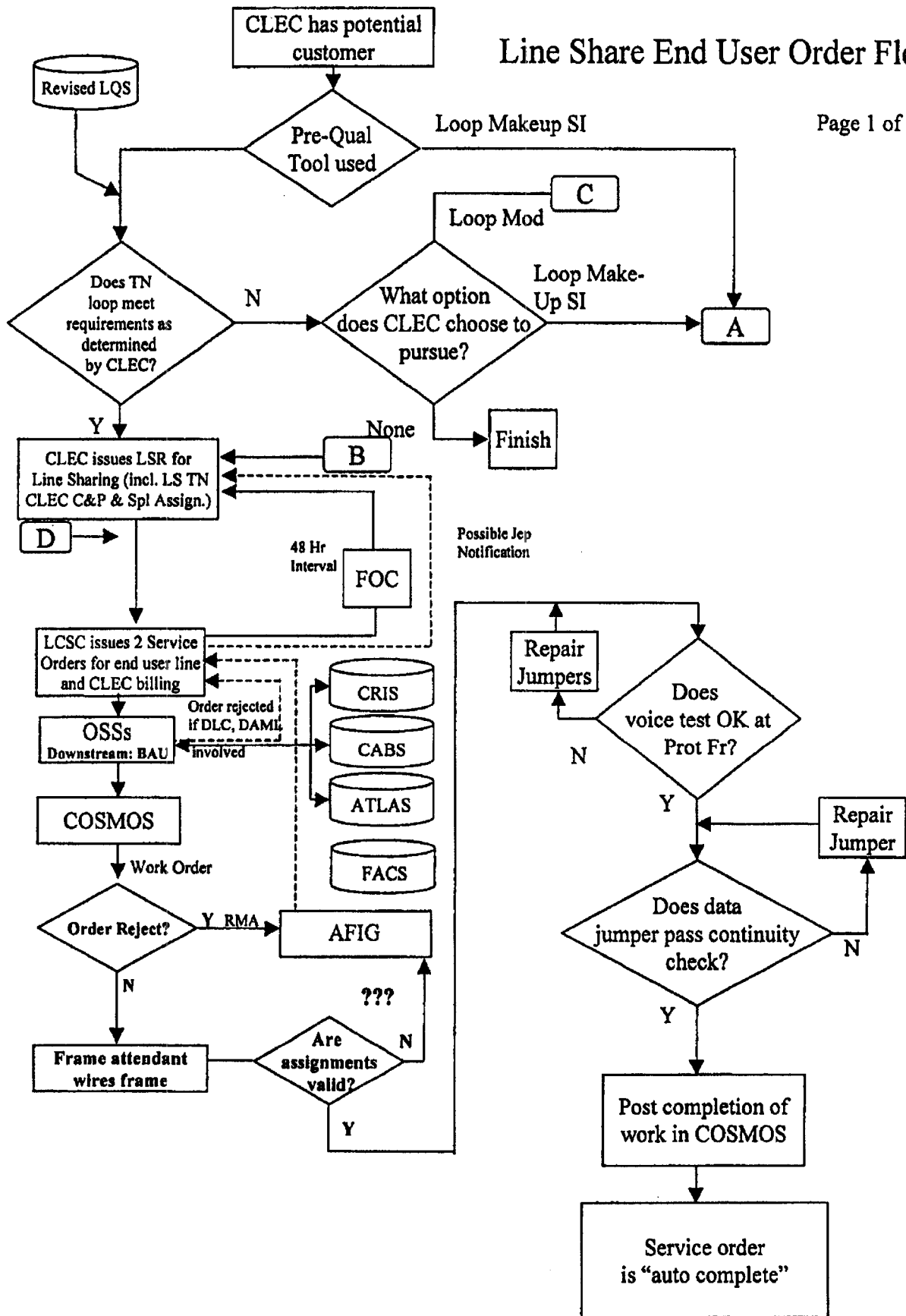
Revision 10
(Baselined in collaborative 10/25/00)

Page 2 of 2

EXHIBIT TGW-2

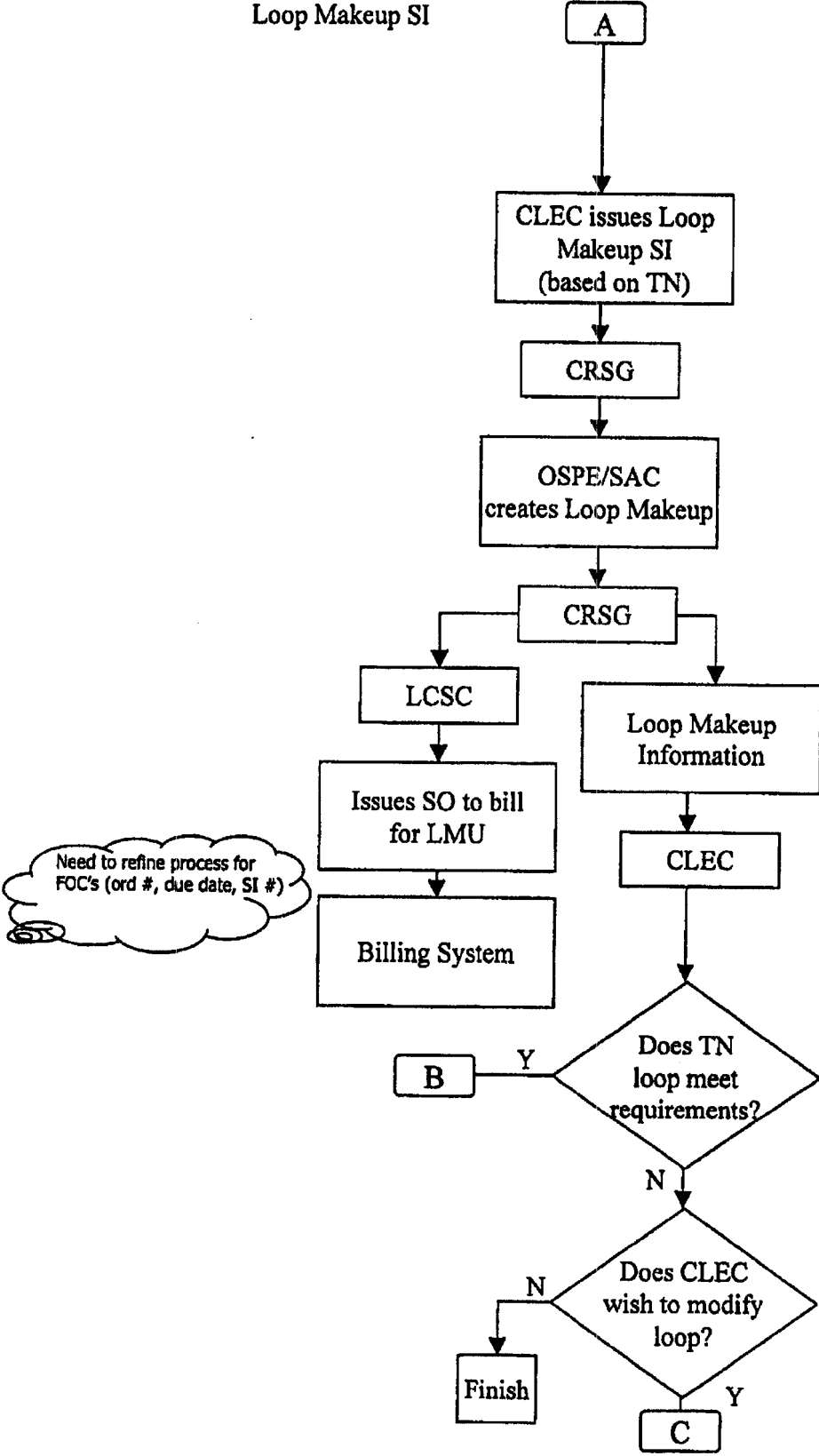
Line Share End User Order Flow

Line Share End User Order Flow



Line Share End User Pre-Order Flow

Loop Makeup SI



Line Share End User Pre-Order Flow

Page 3 of 3

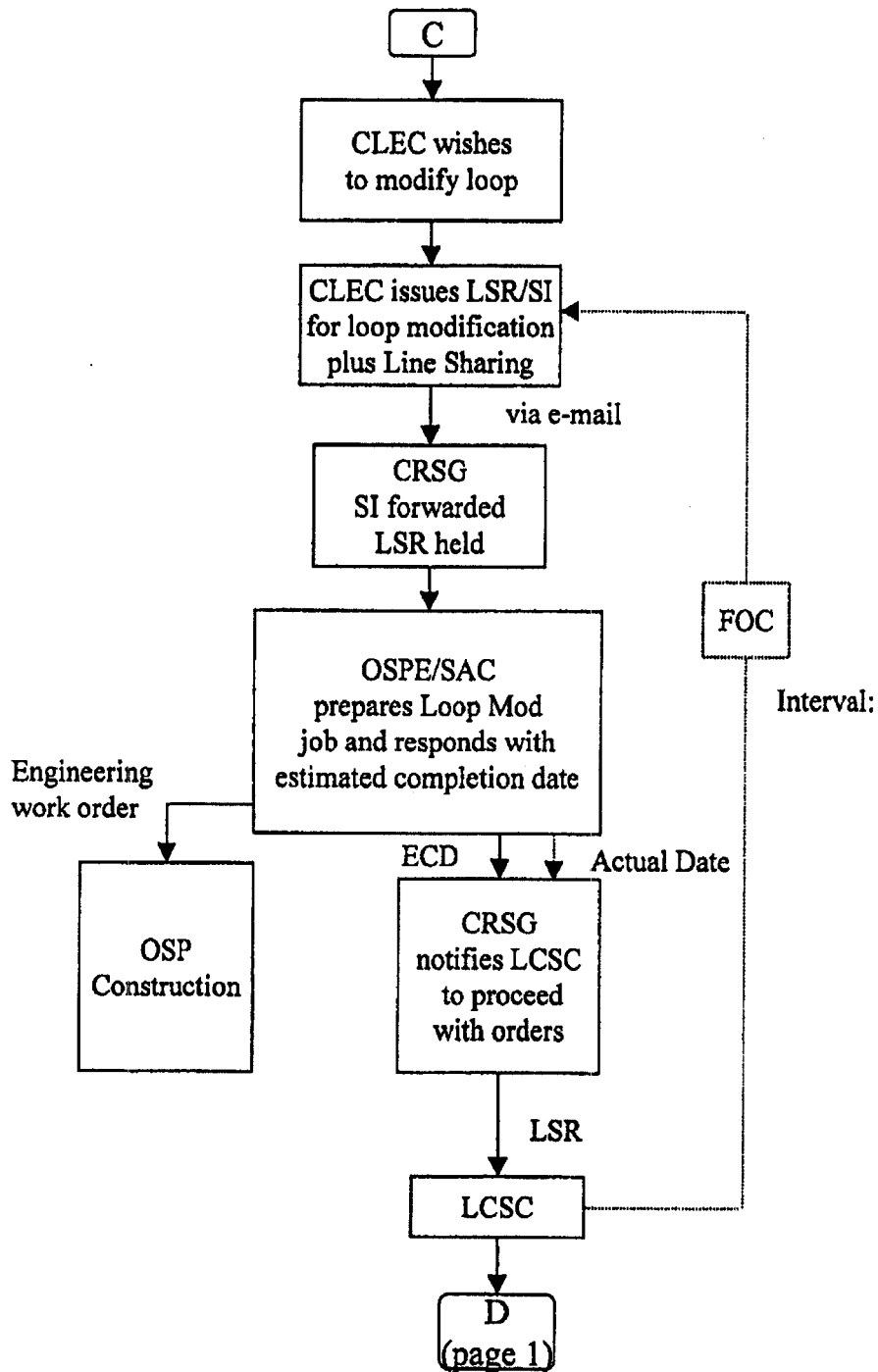


EXHIBIT TGW-3

Line Sharing Splitter Ordering Document

LINE SHARING SPLITTER ORDERING DOCUMENT

(form baselined 8/3/00)

BellSouth Tracking #
 Customer PON #

Page #
 Version #

PART I - ORDERING SECTION

Customer ACTL:

Date Order Submitted by Customer:
 Date Order Received by BellSouth:
 Desired Due Date:

REQ TYPE: AB

New Splitter System Capacity

Quantity of Systems this Order:

Initial Order	<input style="width: 40px; height: 15px;" type="text"/>	96 Line System(s)	<input style="width: 40px; height: 15px;" type="text"/>	24 Line System(s)	<input style="width: 40px; height: 15px;" type="text"/>
Update Existing Order	<input style="width: 40px; height: 15px;" type="text"/>	96 Line System(s)	<input style="width: 40px; height: 15px;" type="text"/>	24 Line System(s)	<input style="width: 40px; height: 15px;" type="text"/>
Cancel Existing Order	<input style="width: 40px; height: 15px;" type="text"/>				

Line Activation/De-Activation (See Part 1B attached)

Initial Order
 Update Existing Order
 Cancel Existing Order

Note: Systems can only be disconnected in the same quantities as originally provisioned

Disconnect Existing Splitter Capacity (See Part 1C attached)

Initial Order
 Update Existing Order
 Cancel Existing Order

Date Order Sent to Network CCM:

Date CCM Response Needed:

BellSouth CRSG/Account Team Representative	Customer Order/Design Contact Information
Name <input style="width: 95%; height: 15px;" type="text"/> Title <input style="width: 95%; height: 15px;" type="text"/> Address <input style="width: 95%; height: 15px;" type="text"/> City <input style="width: 95%; height: 15px;" type="text"/> State <input style="width: 20%; height: 15px;" type="text"/> Zip Code <input style="width: 40%; height: 15px;" type="text"/> Telephone Number: <input style="width: 95%; height: 15px;" type="text"/> FAX Number: <input style="width: 95%; height: 15px;" type="text"/> E-mail: <input style="width: 95%; height: 15px;" type="text"/> Bill Date: <input style="width: 95%; height: 15px;" type="text"/>	Company Name <input style="width: 95%; height: 15px;" type="text"/> Contact Name <input style="width: 95%; height: 15px;" type="text"/> Title <input style="width: 95%; height: 15px;" type="text"/> Department <input style="width: 95%; height: 15px;" type="text"/> Address <input style="width: 95%; height: 15px;" type="text"/> City <input style="width: 95%; height: 15px;" type="text"/> State <input style="width: 20%; height: 15px;" type="text"/> Zip Code <input style="width: 40%; height: 15px;" type="text"/> Telephone Number: <input style="width: 95%; height: 15px;" type="text"/> FAX Number: <input style="width: 95%; height: 15px;" type="text"/> E-mail: <input style="width: 95%; height: 15px;" type="text"/>
	Customer Billing Information Bill Name <input style="width: 95%; height: 15px;" type="text"/> Street <input style="width: 95%; height: 15px;" type="text"/> Room <input style="width: 20%; height: 15px;" type="text"/> Floor # <input style="width: 20%; height: 15px;" type="text"/> City <input style="width: 95%; height: 15px;" type="text"/> State <input style="width: 20%; height: 15px;" type="text"/> Zip Code <input style="width: 40%; height: 15px;" type="text"/> ACNA <input style="width: 95%; height: 15px;" type="text"/> OCN <input style="width: 95%; height: 15px;" type="text"/> BAN Number <input style="width: 95%; height: 15px;" type="text"/> Billing Cont. Name <input style="width: 95%; height: 15px;" type="text"/> Billing Contact # <input style="width: 95%; height: 15px;" type="text"/>

Remarks:

LINE SHARING SPLITTER ORDERING DOCUMENT

(form baselined 11/3/00)

BellSouth Tracking #
Customer PON #

Page #
Version #

EXHIBIT TGW-3A

Line Sharing LSR Field Information

**Line Sharing LSR
Field Information**

**Line Share LSR
Preconditioning Screening Service Request**

Local Service Request Form

1. Administrative Section

- Requirements
 - CCNA
 - PON
 - AN
 - DDD
 - REQTYP = AB
 - ACT = C,D, or V
 - CC
 - ACTL
 - LSO
 - TOS=*RF (*= BAU)
 - NC = UA-S
 - NCI = 02QB5.005
 - SECNCI = 02DU5.005

2. Bill Section

- Requirements
 - BAN1 = (13 Digits)
 - ACNA = DLEC
 - Remaining Fields Populated BAU (Business as Usual)

3. Contact Section

- Requirements
 - Populated BAU

4. Remarks

- Requirements
 - ✓ Updated 7/18/00. Corrected to add AN field, TOS, and remove CIC which is not needed. Note added to BAN1 requiring 13 digits now.

End User Information Form

1. Location and Access

- Populated BAU

Line Sharing LSR Field Information

Loop Service Form

1. Service Details

- Cable ID = DLEC Collocated Cable ID
- Shelf = Splitter Assignment Data Positions 9 and 10
- Slot = Splitter Assignment Data Positions 11 and 12 – 13 (dash between 12 and 13.)
- Relay Rack = FLR/AISLE/BAY (Splitter Assignment Data Positions 1 through 8. This is a 10-position field. Leave the last two positions blank. No dots or dashes.)

Example of appearance on Version 4 LSR using the splitter assignment of **SPLFIM0101500301041** would look like this:

Shelf	Slot	Relay Rack	Chan/Pr
<u>01</u>	<u>04-1</u>	<u>01015003</u>	<u>151</u>

- Chan Pair = DLEC Collocated Cable Pair
- LEAN = SLTN (abbreviation for shared line TN)
- LEATN = XXX (NPA) NXX XXXX (Line shared TN)

2. Remarks

- RESID = FRN (See Note 2 below)

General Notes:

1. Multiple telephone numbers may be submitted on the same LSR provided they are billed on the same end user customer service record and serviced at the same address.
2. The Line Shared LSR may be submitted with a Loop Makeup FRN and or a Loop Modification SI / FRN. This information should be noted in the Remarks section of the Loop Service Form as RESID = FRN.
 - The FRN associated with Loop Makeup is obtained via the *Mechanized Loop Makeup* transaction. This product is targeted to be available in July, 2000.
 - The FRN associated with Manual Loop Makeup is under development; currently no FRN is returned on a Manual Loop Makeup.
 - The FRN associated with Manual Loop Modification – New Loop, is returned on the Service Inquiry. There is no FRN used on Manual Loop Modification – Existing Loop.
3. Additional information can be obtained via the Internet at:
www.interconnection.bellsouth.com/guides/guides.html
This site contains the BellSouth Business Rules for Local Ordering based upon the OBF industry consensus approved guidelines found in the *Local Service Ordering Guidelines (LSOG)* Version 4 Document. You can find this under the section titled **Local Exchange Ordering (LEO) Implementation Guide**.

Under the section titled **BST Customized LSOG 4 forms** you will find the new version 4 LSR in MS Word Format.

EXHIBIT TGW-4

Job Aid

Using LQS as Line Sharing Loop Qualification Tool

Job Aid

Using LQS as Line Sharing Loop Qualification Tool

LQS was created as a "Quick Check" Yes/No loop qualification tool for BellSouth's internal use and for ISPs reselling the BellSouth Industrial Class ADSL service. The information contained in LQS is derived from the LEAD database, a once-per-month-per-wire-center "snapshot" of the information contained in the LFACS database. (1/30th of all wire centers are updated every day.) LQS provides a "best effort" response regarding a loop's ability to support ADSL service. LQS is not guaranteed (currently, we have an approximate 90% accuracy rate on positive responses). Guaranteed service, or BellSouth's Business Class ADSL, does not utilize LQS (a manual Service inquiry and subsequent manual Loop Makeup is performed for exact Loop Makeup information).

This job aid, along with the information found at <http://lqs.bellsouth.com>, is intended to support the interim use of LQS by the CLEC community to perform loop qualification on potential Line Sharing customers. By understanding some of the proactive logic behind LQS and by defining the output codes as they relate to Line Sharing, this guide should enable the CLECs to gain some value from LQS until better solutions are available.

LQS was designed to report only "external" reason codes to reseller ISPs when a loop was not qualified. LQS was also designed to show internal BellSouth personnel more detailed "internal" reason codes. Until electronic access to LFACS is available, BellSouth has made available to the CLECs participating in Line Sharing the version of LQS which shows both the external and internal codes.

When LQS first returns a response on a phone number, the external reason is shown. By hitting the pull-down arrow on the response line, the user may also view the internal reason code.

The following table shows the possible positive responses from LQS:

External Reason Codes	Internal Reason Codes
A, C	IQ1, Copper-qualified loop IQ2, PairGain loop qualified with copper-qualified cross-box (requires cut-over) IQ3, PairGain loop qualified through BellSouth Remote DSLAM IQ4, PairGain loop qualified through BellSouth mini-RAM
A, F	Qualified through Fiber (IQ5, Qualified through CMS update)
P, C, Date	Planned for service on Copper
P, F, Date	Planned for Service on Fiber (IQ5, Qualified through CMS update)

The following is an explanation for when you receive the codes above:

- IQ1, Copper-qualified loop
- This copper loop does qualify for ADSL service.

Job Aid

Using LQS as Line Sharing Loop Qualification Tool

- IQ2, PairGain loop qualified through copper-qualified cross-box
- This customer is currently served via Digital Loop Carrier which will not support ADSL service. However, qualified copper pairs do exist at the cross-box. Procedures are under development in BST for a CLEC to request a pair change to a qualified copper loop.

IQ3 and IQ4, Qualified through Remote Solution

- This response code means that BellSouth has an existing remote solution (Remote DSLAM or mini-ram) available in the RT in which this customer gets their voice service.

NOTE: Due to the proactive logic in LQS, this code does mask any other codes about the loop currently serving the customer. The only valid assumption would be that the F2 portion of this customer loop is qualified for an ADSL-type of service.

IQ5, Qualified through CMS Update

- This response code means that BellSouth has an existing or planned IFITL remote solution serving this customer.

The following chart shows all of the available external and internal reason codes from LQS when a loop is not qualified:

External Reason Codes	Internal Reason Codes
E0 – Request ignored – file size limit	Same
E1 – Syntax error in phone number	Same
E2 – Service is not available for this phone number	I1: Copper loop with RZ > 13 I2: Copper loop is loaded I3: Copper loop has DAML I5: Taper code is a dead zone I6: Loop has DAML I7: FN is loaded I9: Terminal CZ > 9 I10: Existing service category not compatible I11: Phone number is foreign exchange I12: Taper code distance exceeded I13: NPA-NXX is not found
E3 – Loop currently unqualified. Please try again later	I4: Pair gain loop with no Remote DSLAM I8: Wire center not DSLAM-equipped
E4 – No longer used	Same
E5 – No longer used	Same
E6 – Loop is not found. Please try again later.	Same

The following is an explanation of why you might receive the error codes above:

E2 - "Service is not available for this phone number"

- Internal codes I1, I9 and I12
 - The loop is too long to support ADSL.
 (I1: overall loop resistance > 1300Ω; I9: Carrier Zone > 900Ω; I12: Average distance of

Job Aid Using LQS as Line Sharing Loop Qualification Tool

taper code to CO exceeds 18 kf).

- Internal codes I2 and I7
 - The loop contains one or more load coils.
- Internal codes I3 and I6
 - The phone number is on a Digital Added Main Line (DAML).
- Internal code I5
 - The customer falls within a known “dead” zone, an area flagged by maintenance personnel where ADSL is known not to work.
- Internal code I10
 - The line is not POTS or plain Centrex.
- Internal code I11
 - The phone number is an FX/FCO line.
- Internal code I13
 - The NPA-NXX belongs to one customer (e.g. a University) and all numbers in the range are PBX DID or Primary Rate ISDN numbers, OR
 - The NPA-NXX belongs to a CLEC.

E3 - “Loop currently unqualified. Please try again later”

- Internal code I4
 - The loop is behind a digital loop carrier system.
- Internal code I8
 - This central office is not equipped with a BellSouth DSLAM.

E6 - “Loop is not found. Please try again later.”

- The phone number is on an ISDN line.
- The phone number is newly installed and not yet in LQS.
- The phone number is a direct inward dialing number (DID) behind a PBX.
- The phone number is served via Primary Rate ISDN.
- The phone number may belong to a facilities-based CLEC and is outside of BellSouth’s network.

Job Aid

Using LQS as Line Sharing Loop Qualification Tool

Important notes on the logic behind LQS:

LQS stops the search and logic routines when it finds the first error condition and reports that error code. It does not continue and find all possible error codes.

The following list shows the error checking sequence used by LQS:

<u>Item</u>	<u>Output upon Error Found</u>
1) Check for proper input.	E1: Syntax error in phone number
2) Check for existence of NPA-NXX	E2: Service not available/ I13: NPA-NXX not found
3) Check for existence of loop in database	E6: Loop not found. Please try 24 hours later.
4) Check for FX Service	E2: Service not available/I11: Foreign Exchange
5) Check for incompatible services	E2: Service not available/ I10: Existing Service category not compatible
6) Check if Remote Solution exists: If Remote Solution exists, then check copper F2 for:	
a) Loading	E2: Service not available/I7: FN is loaded
b) Presence of DAML	E2: Service not available/I6: Loop has DAML
c) Carrier Zone > 900 Ω	E2: Service not available/I9: Terminal CZ>9
If NO remote solution exists: Check for copper, then DLC.	
7) Check for loaded copper pair	E2: Service not available/ I2: Copper loop is loaded
8) Check for DAML presence	E2: Service not available/ I3: Copper loop has DAML
9) Check for RZ code	E2: Service not available/ I1: Copper loop RZ>13
10) Check for DLC presence	E3: Loop currently unqualified, please try again later/I4: PairGain loop with no Remote DSLAM
11) Check taper code for dead zone	E2: Service not available/ I5: Taper code is dead zone
12) Check taper code length	E2: Service not available/ I12: Taper code distance
13) Check for BellSouth DSLAM	E3: Loop currently unqualified/

Job Aid
Using LQS as Line Sharing Loop Qualification Tool

I8: Wire center not DSLAM-equipped

(End of logic)

Since LQS performs the check for the presence of a BellSouth DSLAM last, if LQS shows the error "The central office is not equipped with ADSL", the loop can be assumed, but not guaranteed, to be qualified.

If LQS finds the existence of a BellSouth Remote Solution, most of the data about the loop is ignored except for F2 qualifications. Therefore, if LQS shows the response "Qualified Through Remote Solution", only the F2 portion of the loop can be assumed to be qualified.

General Note on LQS:

Numbers not having an LFACS cable pair assignment, such as the phone in a Collocation space, will not show up in LQS.

EXHIBIT TGW-5

**BELLSOUTH BUSINESS RULES
LOCAL ORDERING
FOR LINE SHARING**

CG-LEOO-019
 Issue 9M-April 30, 2001
 CHAPTER 3.0 - REQ TYP A - Loop Service

3.9 Unbundled (CO Based) Line Share

3.9.1 Description

UNE CO Based Line Share is a UNE offering intended to allow DLEC/CLECs access to the upper spectrum or the high frequency portion of a 2-wire copper loop for xDSL services, a.k.a. data. BellSouth will continue to be the provider of the lower spectrum or low frequency portion of the loop for analog services, a.k.a. voice.

Line Share is a UNE offering that enables the DLEC/CLEC to provide xDSL-based services for the end user customer over the same copper loop that BellSouth provides the end user's voice service.

3.9.2 Ordering Form

The following chart illustrates the required, conditional and optional forms for ordering this service. Detailed information will follow to assist you in filling out each of these forms/screens.

	Forms/Screens											
REQ TYP / SERVICE TYPE	SI	LSR	Hunting	EU	DL	DSCR	RS	DRS	PS	NP	LS	LSNP
A Line Share	R	R		R							R	

R = Required C = Conditional O = optional

Completing the LSR and EU Forms/Screens

The Required, Conditional, and Optional (R/C/O) fields on the LSR and EU forms will be given for every valid REQ TYP/ACT combination in the REQ TYP / ACT Combination Section.

The following chart shows all of the valid account level activities for this requisition type.

	ACTIVITY TYPE (ACCOUNT LEVEL)												
REQ TYP	N	C	D	T	R	V	S	B	W	L	Y	P	Q
A - Line Share	X	X	X			X						X	X

Note: " X " denotes valid account level activities. A blank entry indicates a non-valid account level activity.

Account level activities (ACT) apply to the entire account. The ACTs are defined below:

- [rArr] N = New installation and/or account (manual)
- [rArr] C = New installation and/or account (electronic)
- [rArr] C = Change an existing account (e.g., Rearrangement, Partial disconnect, or addition)
- [rArr] D = Disconnection
- [rArr] T = Outside move of end user location
- [rArr] R = Record activity is for ordering administrative changes
- [rArr] V = Full Conversion of service **as specified** to new Local Service Provider (LSP)
- [rArr] S = Seasonal suspend or restore denied account
- [rArr] W = Full Conversion of service **as is**
- [rArr] L = Seasonal suspension full account
- [rArr] Y = Deny (non-payment)
- [rArr] P = Conversion of service **as specified**: Partial Migration - Initial
- [rArr] Q = Conversion of service **as specified**: Partial Migration - Subsequent

Completing the LS Form

The Loop Service (LS) form may be required or invalid depending on the account level activity. Each account level activity has valid Line Level Activities (LNAs). These LNAs determine how, or if, the LS form should be populated.

Line level activities (LNA) apply to the specified line only. The LNAs are defined below:

- [rArr] N = New Installation (e.g., new line or additional line)
- [rArr] C = Change or Modification to an Existing Line
- [rArr] D = Disconnection
- [rArr] X = Telephone Number Change
- [rArr] V = Conversion or Migration to new LSP **as specified**
- [rArr] W = Conversion or Migration **as is**
- [rArr] P = PIC Change
- [rArr] L = Seasonal Suspend
- [rArr] B = Restore

The following chart gives the valid LNAs for each account level activity (ACT) and the associated LS form usage.

If ACT is:	Then LNA is	And LS form/screen is:
N	N	Required
C	N, C or D	Required
D	D	Required
V	N, D or V	Required
P	N, D or V	Required
Q	N, D or V	Required

The RCO fields for the Loop Service (LS) form are listed according to the Line Level Activity (LNA) in the LNA Tables Section .

3.9.3 REQ TYP / ACT Combinations

The following charts show the Required, Conditional and Optional (R/C/O) fields on the LSR and EU forms for the valid REQ TYP / ACT combinations. LSR and EU forms for a valid REQ TYP / ACT combination are paired together. Furthermore, the charts are organized by ACT and then Designed vs. Non-Designed within the ACT. Each chart will have a heading describing the REQ TYP / ACT combination and Designed / NON-Designed status to which that chart is applicable. All unmentioned fields are either invalid, not applicable or prohibited. Populating any other fields may result in a fatal reject or a clarification of the service request.

Please note the following codes:

- Mandatory entries are indicated by quotation marks ("xxx").
- Optional fields marked with an asterisk (*) force at least one of the conditional fields to become required when populated.
- Fields used only for manual orders are followed by (m).
- Fields used only for electronic orders are followed by (e).

See the Data Element Dictionary Section for additional information on each of the fields listed below.

REQ TYP A / ACT N (manual only)

LSR (Line Share) - REQ TYP A / ACT N (manual only)		
Required	Conditional	Optional
CCNA (m)	VER (m)	PROJECT (m)
PON (m)	SUP (m)	EXP (m)
AN (m)	CUST (m)	RPON (m)
PG_OF_ (m)		RORD (m)
SC = " LCSC " (m)		IMPCON- PAGER (m)
D/SENT (m)		ALTIMPCON (m)
DDD (m)		ALTIMPCON-TEL NO. (m)
REQ TYP = " AB " (m)		REMARKS (m)
ACT = " N " (m)		
CC (m)		

ACTL (<i>m</i>)		
LSO (<i>m</i>)		
TOS = ' R ' in 2nd character (<i>m</i>)		
NC = " SWXX" (<i>m</i>)		
NCI = " 02QB5.005" (<i>m</i>)		
SECNCI " 02DU5.005" (<i>m</i>)		
CIC (<i>m</i>)		
BANI (<i>m</i>)		
ACNA (<i>m</i>)		
INIT (<i>m</i>)		
INIT-TEL NO. (<i>m</i>)		
INIT-FAX NO. (<i>m</i>)		
IMPCON (<i>m</i>)		
IMPCON-TEL NO. (<i>m</i>)		

" " = mandatory entry; * = when this optional field is populated, it forces at least one of the conditional fields to become REQUIRED; (*m*) = for manual ordering only; (*e*) = for electronic ordering only

EU (Line Share) - REQ TYP A / ACT N (manual only)		
Required	Conditional	Optional
PON (<i>m</i>)	VER (<i>m</i>)	LCON-NAME (<i>m</i>)
AN (<i>m</i>)		LCON-TEL NO. (<i>m</i>)
PG_OF_ (<i>m</i>)		

EU-NAME (<i>m</i>)		
----------------------	--	--

" " = mandatory entry; * = when this optional field is populated, it forces at least one of the conditional fields to become REQUIRED; (*m*) = for manual ordering only; (*e*) = for electronic ordering only

REQTYP A / ACT C (New Install) electronic only

LSR (Line Share) - REQTYP A / ACT C (New Install) electronic only		
Required	Conditional	Optional
CCNA (<i>e</i>)	VER (<i>e</i>)	PROJECT (<i>e</i>)
PON (<i>e</i>)	SUP (<i>e</i>)	EXP (<i>e</i>)
AN	CUST (<i>e</i>)	RPON (<i>e</i>)
SC = " LCSC " (<i>e</i>)		IMPCON-PAGER (<i>e</i>)
D/SENT (<i>e</i>)		ALTIMPCON (<i>e</i>)
DDD (<i>e</i>)		ALTIMPCON-TEL NO. (<i>e</i>)
REQTYP = "AB " (<i>e</i>)		
ACT = " C " (<i>e</i>)		
CC (<i>e</i>)		
ACTL (<i>e</i>)		
LSO (<i>e</i>)		
TOS = ' R ' in 2nd character (<i>e</i>)		
NC = " SWXX " (<i>e</i>)		
NCI = " 02QB5.005 " (<i>e</i>)		
SECNCI " 02DU5.005 " (<i>e</i>)		
CIC (<i>e</i>)		

BANI (e)		
ACNA (e)		
IMPCON (e)		
IMPCON-TEL NO. (e)		
INIT (e)		
INIT-TEL NO. (e)		
.INIT-FAX NO. (e)		
RESID (e)		

" " = mandatory entry; * = when this optional field is populated, it forces at least one of the conditional fields to become REQUIRED; (m) = for manual ordering only; (e) = for electronic ordering only

EU (Line Share) - REQ TYP A / ACT C (New Install) electronic only		
Required	Conditional	Optional
PON (e)		LCON-NAME (e)
AN (e)		LCON-TEL NO. (e)
PG_OF_ (e)		
EU-NAME (e)		

" " = mandatory entry; * = when this optional field is populated, it forces at least one of the conditional fields to become REQUIRED; (m) = for manual ordering only; (e) = for electronic ordering only

REQ TYP A / ACT C (Change Activity)

LSR (Line Share) - REQ TYP A / ACT C (Change Activity)		
Required	Conditional	Optional
CCNA	VER	PROJECT
PON	SUP	EXP

AN	CUST	RPON
PG_OF_ (<i>m</i>)		IMPCON-PAGER
SC = " LCSC "		ALTIMPCON
D/SENT		ALTIMPCON-TEL NO.
DDD		REMARKS (<i>m</i>)
REQTYP = "AB "		
ACT = " C "		
CC		
ACTL		
LSO		
TOS = ' R ' in 2nd character		
NC = " SWXX "		
NCI = " 02QB5.005 "		
SECNCI = " 02DU5.005 "		
CIC		
BANI		
ACNA		
IMPCON		
IMPCON-TEL NO.		
INIT		

INIT-TEL NO.		
.INIT-FAX NO.		

" " = mandatory entry; * = when this optional field is populated, it forces at least one of the conditional fields to become REQUIRED; (m) = for manual ordering only; (e) = for electronic ordering only

EU (Line Share) - REQ TYP A / ACT C (Change Activity)		
Required	Conditional	Optional
PON (m)	VER (m)	LCON-NAME
AN (m)		LCON-TEL NO.
EU-NAME		

" " = mandatory entry; * = when this optional field is populated, it forces at least one of the conditional fields to become REQUIRED; (m) = for manual ordering only; (e) = for electronic ordering only

REQ TYP A / ACT D (manual only)

LSR (Line Share) - REQ TYP A / ACT D (manual only)		
Required	Conditional	Optional
CCNA (m)	VER (m)	PROJECT (m)
PON (m)	SUP (m)	RPON (m)
AN (m)	CUST (m)	IMPCON-PAGER (m)
PG_OF_ (m)		
SC = " LCSC " (m)		
D/SENT (m)		
DDD (m)		
REQ TYP = " AB " (m)		
ACT = " D " (m)		
CC (m)		

ACTL (<i>m</i>)		
LSO (<i>m</i>)		
TOS = ' R ' in 2nd character (<i>m</i>)		
NC = " SWXX" (<i>m</i>)		
CIC (<i>m</i>)		
BANI (<i>m</i>)		
ACNA (<i>m</i>)		
INIT (<i>m</i>)		
INIT-TEL NO. (<i>m</i>)		
INIT-FAX NO. (<i>m</i>)		
IMPCON (<i>m</i>)		
IMPCON-TEL NO. (<i>m</i>)		

" " = mandatory entry; * = when this optional field is populated, it forces at least one of the conditional fields to become REQUIRED; (*m*) = for manual ordering only; (*e*) = for electronic ordering only

EU (Line Share) - REQ TYP A / ACT D (manual only)		
Required	Conditional	Optional
PON (<i>m</i>)	VER (<i>m</i>)	
AN (<i>m</i>)		
PG_OF_ (<i>m</i>)		
EU-NAME (<i>m</i>)		

" " = mandatory entry; * = when this optional field is populated, it forces at least one of the conditional fields to become REQUIRED; (*m*) = for manual ordering only; (*e*) = for electronic ordering only

REQTYP A / ACT V

LSR (Line Share) - REQTYP A / ACT V		
Required	Conditional	Optional
CCNA	VER	PROJECT
PON	SUP	EXP
AN	CUST	RPON
PG_OF_ (m)		RORD (m)
SC = " LCSC "		IMPCON-PAGER
D/SENT		ALTIMPCON
DDD		ALTIMPCON-TEL NO. (m)
REQTYP = " AB "		REMARKS (m)
ACT = " V "		
CC		
ACTL		
LSO		
TOS = ' R ' in 2nd character		
NC = " SWXX "		
NCI = " 02QB5.005 "		
SECNCI = " 02DU5.005 "		
CIC		
BAN1		

ACNA		
INIT		
INIT-TEL NO.		
INIT-FAX NO.		
IMPCON		
IMPCON-TEL NO.		
RESID (<i>e</i>)		

" " = mandatory entry; * = when this optional field is populated, it forces at least one of the conditional fields to become REQUIRED; (*m*) = for manual ordering only; (*e*) = for electronic ordering only

EU (Line Share) - REQ TYP A / ACT V		
Required	Conditional	Optional
PON (<i>m</i>)	VER (<i>m</i>)	LCON-NAME
AN (<i>m</i>)		LCON-TEL NO.
PG_OF_ (<i>m</i>)		
EU-NAME		

" " = mandatory entry; * = when this optional field is populated, it forces at least one of the conditional fields to become REQUIRED; (*m*) = for manual ordering only; (*e*) = for electronic ordering only

REQ TYP A / ACT P

LSR (Line Share) - REQ TYP A / ACT P		
Required	Conditional	Optional
CCNA	VER	PROJECT
PON	SUP	EXP
AN	CUST	RPON

PG_OF_ (<i>m</i>)		RORD (<i>m</i>)
SC = " LCSC "		IMPCON-PAGER
D/SENT		ALTIMPCON
DDD		ALTIMPCON-TEL NO. (<i>m</i>)
REQTYP = " AB "		REMARKS (<i>m</i>)
ACT = " P "		
CC		
ACTL		
LSO		
TOS = ' R ' in 2nd character		
NC = " SWXX "		
NCI = " 02QB5.005 "		
SECNCI = " 02DU5.005 "		
CIC		
BANI		
ACNA		
INIT		
INIT-TEL NO.		
INIT-FAX NO.		

IMPCON		
IMPCON-TEL NO.		
RESID (<i>e</i>)		

" " = mandatory entry; * = when this optional field is populated, it forces at least one of the conditional fields to become REQUIRED; (*m*) = for manual ordering only; (*e*) = for electronic ordering only

EU (Line Share) - REQ TYP A / ACT P		
Required	Conditional	Optional
PON (<i>m</i>)	VER (<i>m</i>)	LCON-NAME
AN (<i>m</i>)		LCON-TEL NO.
PG_OF_ (<i>m</i>)		
EU-NAME		

" " = mandatory entry; * = when this optional field is populated, it forces at least one of the conditional fields to become REQUIRED; (*m*) = for manual ordering only; (*e*) = for electronic ordering only

REQ TYP A / ACT Q

LSR (Line Share) - REQ TYP A / ACT Q		
Required	Conditional	Optional
CCNA	VER	PROJECT
PON	SUP	EXP
AN	CUST	RPON
PG_OF_ (<i>m</i>)		RORD (<i>m</i>)
SC = " LCSC "		IMPCON-PAGER
D/SENT		ALTIMPCON
DDD		ALTIMPCON-TEL NO. (<i>m</i>)

REQTYP = " AB "		REMARKS (<i>m</i>)
ACT = " Q "		
CC		
ACTL		
LSO		
TOS = ' R ' in 2nd character		
NC = " SWXX "		
NCI = " 02QB5.005 "		
SECNCI = " 02DU5.005 "		
CIC		
BANI		
ACNA		
INIT		
INIT-TEL NO.		
INIT-FAX NO.		
IMPCON		
IMPCON-TEL NO.		
RESID (<i>e</i>)		

" " = mandatory entry; * = when this optional field is populated, it forces at least one of the conditional fields to become REQUIRED; (*m*) = for manual ordering only; (*e*) = for electronic ordering only

EU (Line Share) - REQ TYP A / ACT Q		
Required	Conditional	Optional
PON (<i>m</i>)	VER (<i>m</i>)	LCON-NAME
AN (<i>m</i>)		LCON-TEL NO.
PG_OF_ (<i>m</i>)		
EU-NAME		

" " = mandatory entry; * = when this optional field is populated, it forces at least one of the conditional fields to become REQUIRED; (*m*) = for manual ordering only; (*e*) = for electronic ordering only

3.9.4 LNA Tables for REQ TYP A

The following charts show the Required, Conditional and Optional (R/C/O) fields for the LS form/screen for the valid Line Level Activities (LNAs). The following charts are organized by type of loop (please refer to the section on **Types of Loops** for additional information on the types of loops), and then by the valid LNAs within each type of loop. Each chart will have a heading describing the type of loop and LNA to which that chart applies. Please refer to the **Completing the LS Form** Section for a listing of the valid LNAs for each account level activity. All unmentioned fields are either invalid, not applicable or prohibited. Populating any other fields may result in a fatal reject or a clarification of the service request.

Please note the following codes:

- Mandatory entries are indicated by quotation marks ("xxx").
- Optional fields marked with an asterisk (*) force at least one of the conditional fields to become required when populated.
- Fields used only for manual orders are followed by (m).
- Fields used only for electronic orders are followed by (e).

See the **Data Element Dictionary** Section for additional information on each of the fields listed below.

LNA = N

LNA = N - Line Share		
Required	Conditional	Optional
PON (<i>m</i>)	VER (<i>m</i>)	REMARKS (<i>m</i>)
AN (<i>m</i>)		

LQTY		
LNUM		
PG_OF_ (<i>m</i>)		
LNA = " N "		
CABLE ID		
CHAN/PAIR = 4 A/N only		
RELAY RACK = 8 A/N		
SHELF = 2 N only		
SLOT = 3 N only (represents slot & line)		
SLTN = NPA-NXX - LINE (<i>e</i>)		
LEAN = "SLTN" (<i>m</i>)		
LEATN (<i>m</i>)		

" " = mandatory entry; * = when this optional field is populated, it forces at least one of the conditional fields to become REQUIRED; (*m*) = for manual ordering only; (*e*) = for electronic ordering only

LNA = C

LNA = C - Line Share		
Required	Conditional	Optional
PON (<i>m</i>)	VER (<i>m</i>)	REMARKS (<i>m</i>)
AN (<i>m</i>)		
LQTY		
PG_OF_ (<i>m</i>)		

LNUM		
LNA = " C "		
CABLE ID		
CHAN/PAIR = 4 A/N only		
ECCKT		
RELAY RACK = 8 A/N		
SHELF = 2 N only		
SLOT = 3 N only (represents slot & line)		
SLTN = NPA-NXX - LINE (<i>e</i>)		
LEAN = "SLTN" (<i>m</i>)		
LEATN (<i>m</i>)		

" " = mandatory entry; * = when this optional field is populated, it forces at least one of the conditional fields to become REQUIRED; (*m*) = for manual ordering only; (*e*) = for electronic ordering only

LNA = D

LNA = D - Line Share		
Required	Conditional	Optional
PON (<i>m</i>)	VER (<i>m</i>)	REMARKS (<i>m</i>)
AN (<i>m</i>)		
LQTY		
PG_OF_ (<i>m</i>)		
LNUM		

LNA = " D "		
ECCKT		
SLTN = NPA-NXX - LINE (e)		
LEAN = "SLTN" (m)		
LEATN (m)		

" " = mandatory entry; * = when this optional field is populated, it forces at least one of the conditional fields to become REQUIRED; (m) = for manual ordering only; (e) = for electronic ordering only

LNA = V

LNA = V - Line Share		
Required	Conditional	Optional
PON (m)	VER (m)	REMARKS (m)
AN (m)		
LQTY		
LNUM		
PG_OF_ (m)		
LNA = " V "		
CABLE ID		
CHAN/PAIR = 4 A/N only		
RELAY RACK = 8 A/N		
SHELF = 2 N only		
SLOT = 3 N only (represents slot & line)		

SLTN = NPA-NXX - LINE (<i>e</i>)		
LEAN = "SLTN" (<i>m</i>)		
LEATN (<i>m</i>)		

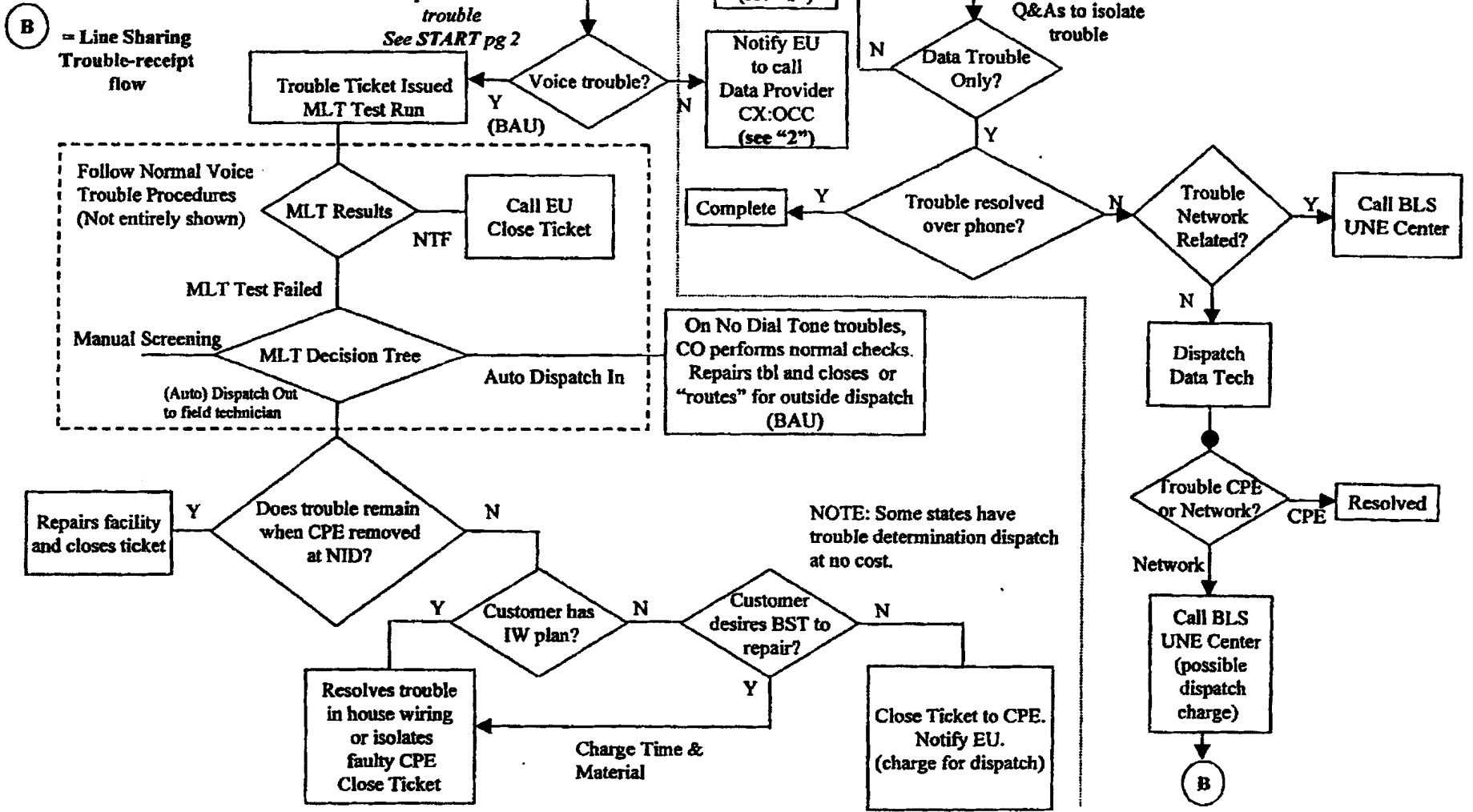
" " = mandatory entry; * = when this optional field is populated, it forces at least one of the conditional fields to become REQUIRED; (*m*) = for manual ordering only; (*e*) = for electronic ordering only

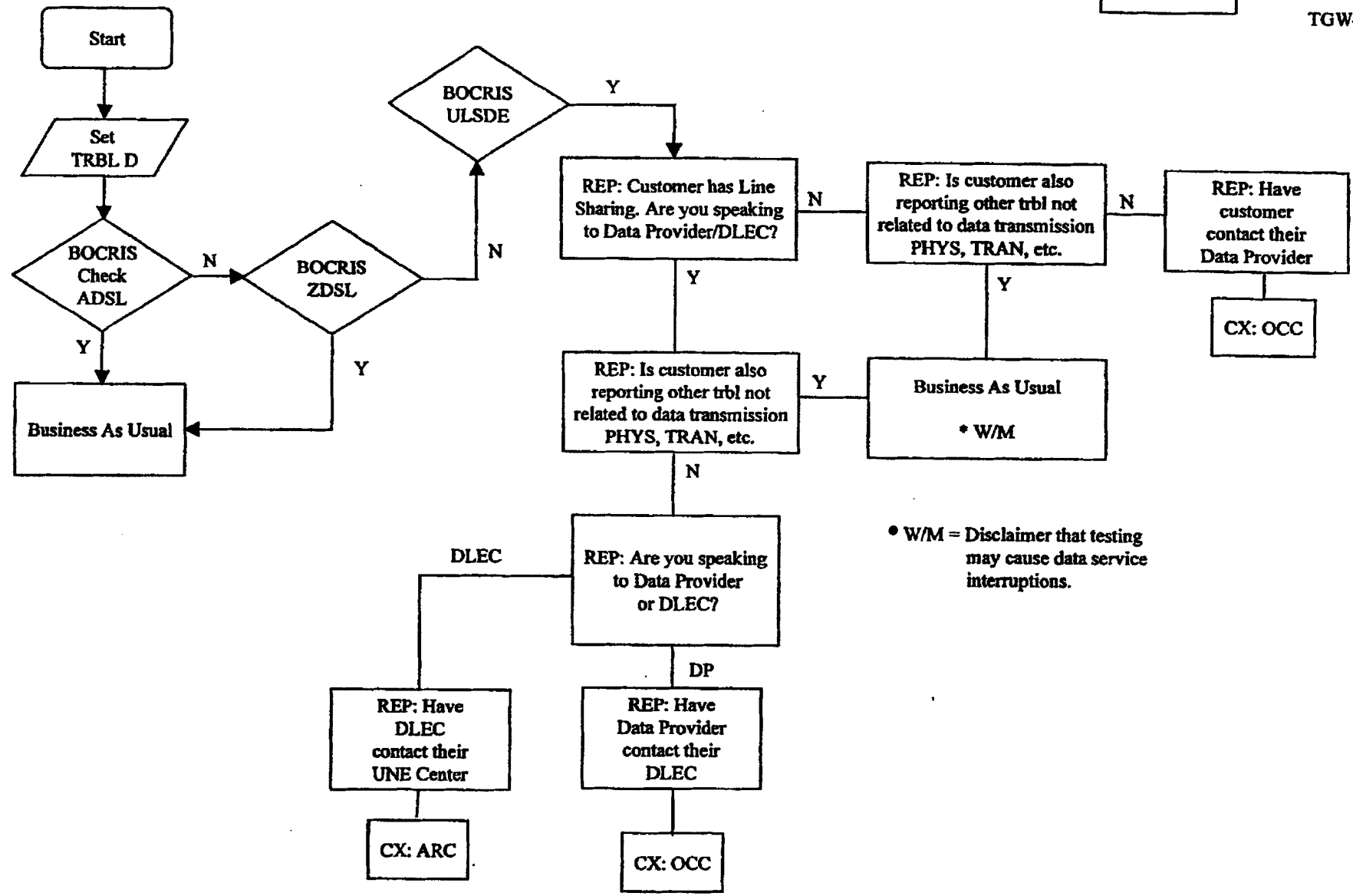
EXHIBIT TGW – 6

BellSouth/CLEC Maintenance Flow

BellSouth/CLEC Maintenance Flow

Baselined





• W/M = Disclaimer that testing may cause data service interruptions.

**BellSouth/CLEC
Maintenance Flow**

- **("1") End User calls BST with voice or voice plus data trouble**
 - **BST personnel follows TAFI flows to determine trouble routing**
 - **If "voice" trouble exists, "voice" trouble flow will be utilized**
 - **If reported trouble is "data" trouble only, End User is referred to ISP (see "2")**
 - **"Voice" troubles will follow "BAU" (business as usual) flows for voice troubles within BST**
-
- **("2") End User calls DLEC/ISP with DATA trouble**
 - **Trouble referred by ISP to DLEC/CLEC**
 - **CLEC/DLEC trouble desk determines voice or data trouble**
 - **If "voice" trouble exists CLEC/DLEC refers End User to call BST Repair (see "1")**
 - **If "Data" trouble only CLEC/DLEC isolates trouble**
 - **If Data trouble is not BST Network related CLEC/DLEC will resolve**
 - **If Data trouble is isolated to BST Network CLEC/DLEC may call BST UNE Center and initiate Data trouble (see B "Line Sharing Trouble-receipt flow")**

**** BellSouth/CLEC Maintenance Flow was created to assist BST RRC/BRC personnel. Enhancements to RRC/BRC "data" TAFI scripts were developed to allow inclusion of Line Share "data" reports. An "assumed" DLEC end user flow was used.**

EXHIBIT TGW - 7

DLEC Access to TAFI

DLEC Access to TAFI

TAFI (Trouble Administration Facilitation Interface) is the vehicle used by BellSouth and CLEC users to process their end-user trouble reports on non-designed (POTS) voice-grade services. Since the DLEC is providing high-speed data access over the same physical facilities via the Line Sharing methodology, the DLEC will be limited in TAFI to only processing Line Share Data (LSD) reports.

Given:

- (1) Should a CLEC expand the scope of their offerings and become a DLEC using line sharing (or visa-versa), the CLEC/DLEC will manage two unique TAFI user IDs: one for processing CLEC reports and a separate ID for processing DLEC reports.
- (2) The DLEC must know the area code of his end user and provide it with the circuit_id when entering a report in TAFI.
- (3) Prior to entering a LSD report via TAFI, the DLEC has confirmed with the end user that the voice service on the line shared line is working properly.

Connectivity:

The DLEC has two options for connecting to TAFI: (1) provision a LAN-LAN pipe to the nearest BellSouth POP or (2) use a modem and dial into the system via a telephone call to Atlanta. (Note: the BellSouth account team is familiar with this process as well as the process for establishing user_ids for the DLEC.)

The DLEC will access TAFI using either an X-Window terminal or a PC running Telnet protocol with VT220 terminal emulation software.

**Using TAFI –
Initial Report / MLT only:**

- (1) Using the connectivity approach selected by each DLEC, access the TAFI processor and log in using the BellSouth provided user_id and your private password.
- (2) At the Initial Trouble Entry Window (ITEW), enter the area code and circuit_id for the customer in trouble.

Note: The ITEW is formatted for telephone number entry with an expanded NNNN area. Enter the area code in the NPA section, skip the NXX section and then enter the circuit_id without the delimiters. For example:

404 ___ 38HFGJ607999

Note: The DLEC can enter the end-user's telephone number instead of the circuit_id to generate the LSD report.

- (3) TAFI provides several checks in the background to (a) confirm that Line Sharing is provided on this line (i.e., the presence of the ULSDE USOC in the CRIS S&E) and (b) that the DLEC entering the report is the 'owner' of the Line Sharing service. Ownership is determined by checking the OCN value found in the UNN1 FID in the CRIS S&E section and matching it with data in the DLEC's TAFI profile.
- (4) TAFI returns the telephone number on which Line Shared Data is provisioned and the DLEC is automatically taken to the TAFI LSD option.
 - (a) If TAFI can not find the corresponding telephone number to enter the trouble report, it will return an error message stating *"No Record of LS Found"* and then the DLEC will be returned to the ITEW. This error could be caused by several things:
 - 1) The wrong area code or circuit_id value was entered. (Correct errors and re-enter).
 - 2) Line Sharing service is not deployed (i.e., the order is future dated).
 - 3) The service order to provision Line Sharing just closed and the BellSouth downstream systems (CRIS and LMOS) have not been updated yet.
 - (b) If the DLEC believes that the data service was just deployed (i.e., item 3) above), enter the trouble report using the end-user's telephone number (i.e., the TN on which LS is provisioned). TAFI will look for a pending service order to validate the presence of the ULSDE USOC and UNN1 FID.
 - 1) If a match is found, and the service order is due **"today"** (or past due) and it is **not in a jeopardy status**, TAFI will return the telephone number and take the DLEC to the TAFI LDS option.
 - 2) If a match is not found, TAFI will return the error message *"No Record of LS Found"* and then the DLEC will be returned to the ITEW. At this point the DLEC must call the UNE Center for assistance.
 - (c) If TAFI finds Line Sharing on the line but the DLEC entering the report is not the owner (i.e., OCN values do not match), TAFI will return the error message *"This Account Belongs to Another Company"* and then the DLEC will be returned to the ITEW.
- (5) The DLEC is asked the question *"Does the end-user have trouble with his voice services – Y/N?"*
 - (a) If the answer is "YES", TAFI will prompt the DLEC saying *"Please have your customer report his voice troubles to his service provider and, once repaired, retry his HS data connection"*. At this point TAFI will automatically cancel this report and return the DLEC to the ITEW.
 - (b) If the answer is "NO", TAFI will automatically run a MLT test.

- 1) If the test results indicate a potential voice trouble condition (i.e., either the DLEC did not communicate step 5 accurately or the customer did not understand, etc.), TAFI will provide the DLEC with the following message: *"While testing we found a potential voice problem on the line. Please have your customer report his voice trouble to his service provider and, once repaired, retry his HS data connection".*

After displaying this message for 10 seconds, TAFI will cancel the report and return the DLEC to the ITEW.

- (6) TAFI will provide the DLEC with the FECO (Front End Close Out) recommendation (since the MLT test results indicate a TOK condition). At this point the DLEC can view the MLT test results (by depressing the F? key or system prompt?).
- (7) Once the DLEC has viewed the MLT test results, he will be asked: *"Do you wish to CANCEL this report (i.e., just running MLT test) - Y/N?"*
 - (a) A "Yes" response will cause TAFI to cancel the report and return the DLEC to the ITEW.
 - (b) A "No" response will cause TAFI to generate a LS data report and will automatically populate "%[DLEC] \$Data/Lineshare Trouble Test Continuity on [ckt_id #]" in the narrative, enter LSD as the trouble type and populate the DLEC's call back number (from an internal table) in the Reach number field. The report will be routed PDI (to send it to the CO technician).
- (8) The DLEC can view the commitment date/time from the final screen.
- (9) Once the report is entered, the DLEC is returned to the ITEW to enter the next report.
- (10) If there are no more troubles to report, the DLEC can log off by depressing the F6 key and then depressing the Enter key.

Subsequent Reports:

Once the DLEC enters an LSD report, DLEC may wish to (a) check status, (b) add information or (c) close the report because they found the problem outside of BellSouth's domain.

- (11) The DLEC will execute step (2) or (4b) - depending upon how long the LS service has been active. TAFI goes to initiate an LMOS report and finds that an open report exists for this end-user's line.
 - (a) TAFI will check the pending LMOS report to see if the Trouble Type is "LSD".
 - 1) If the Trouble Type is not LSD (indicating that the end-user has reported a problem with his voice service), TAFI will display the current status of the pending report and will return the following message: *"A voice report exists for this line. Please have your customer check his HS data after this voice related trouble is cleared."*
 - 2) After displaying this message for 10 seconds, TAFI will cancel this DLEC entry and return the DLEC to the ITEW.

- (b) The Trouble Type is LSD, TAFI will confirm that the DLEC is the owner of the LSD.
 - 1) If DLEC is not the owner of the LSD, TAFI will display *"This Account Belongs to Another Company"*.
 - 2) After displaying this message for 10 seconds, TAFI will cancel this DLEC entry and return the DLEC to the ITEW.

- (c) DLEC is the owner - TAFI will display the current status of the pending report and will ask *"Do you wish to CLOSE the existing LMOS report – Y/N?"*
 - 1) If "Yes", TAFI will ask *"Was the trouble Hardware related – Y/N?"*
 - a) If "Yes", TAFI will close the report "DLEC cleared hardware trbl"
 - b) If "No", TAFI will close the report "DLEC reported came clear"

Note: TAFI will close the report if it is not in a dispatched status. If the report has been dispatched, TAFI will enter a subsequent report alerting the field technician that the problem is resolved.
 - 2) If "No", TAFI will ask *"Do you wish to Update the existing LMOS report – Y/N?"*
 - a) If "Yes", TAFI will advise DLEC *"Update narrative with new information and then send the report"*. TAFI will then generate a subsequent report with the updated narrative.
 - b) If "No", TAFI will cancel this DLEC transaction and automatically return the DLEC to the ITEW.

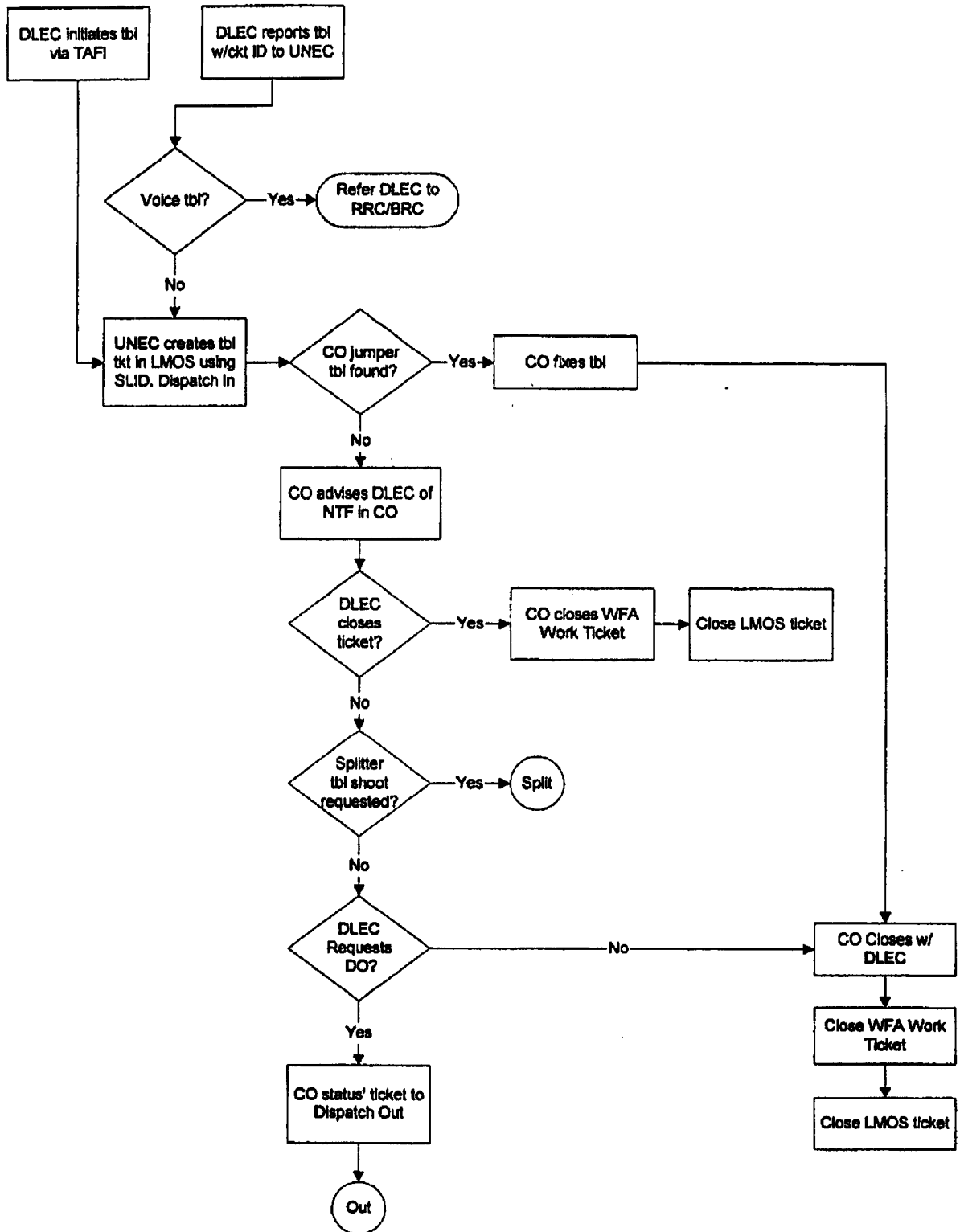
- (d) Once the report is sent, TAFI will return the DLEC to the ITEW.

- (12) If there are no more troubles to report, the DLEC can log off by depressing the F6 key and then depressing the Enter key.

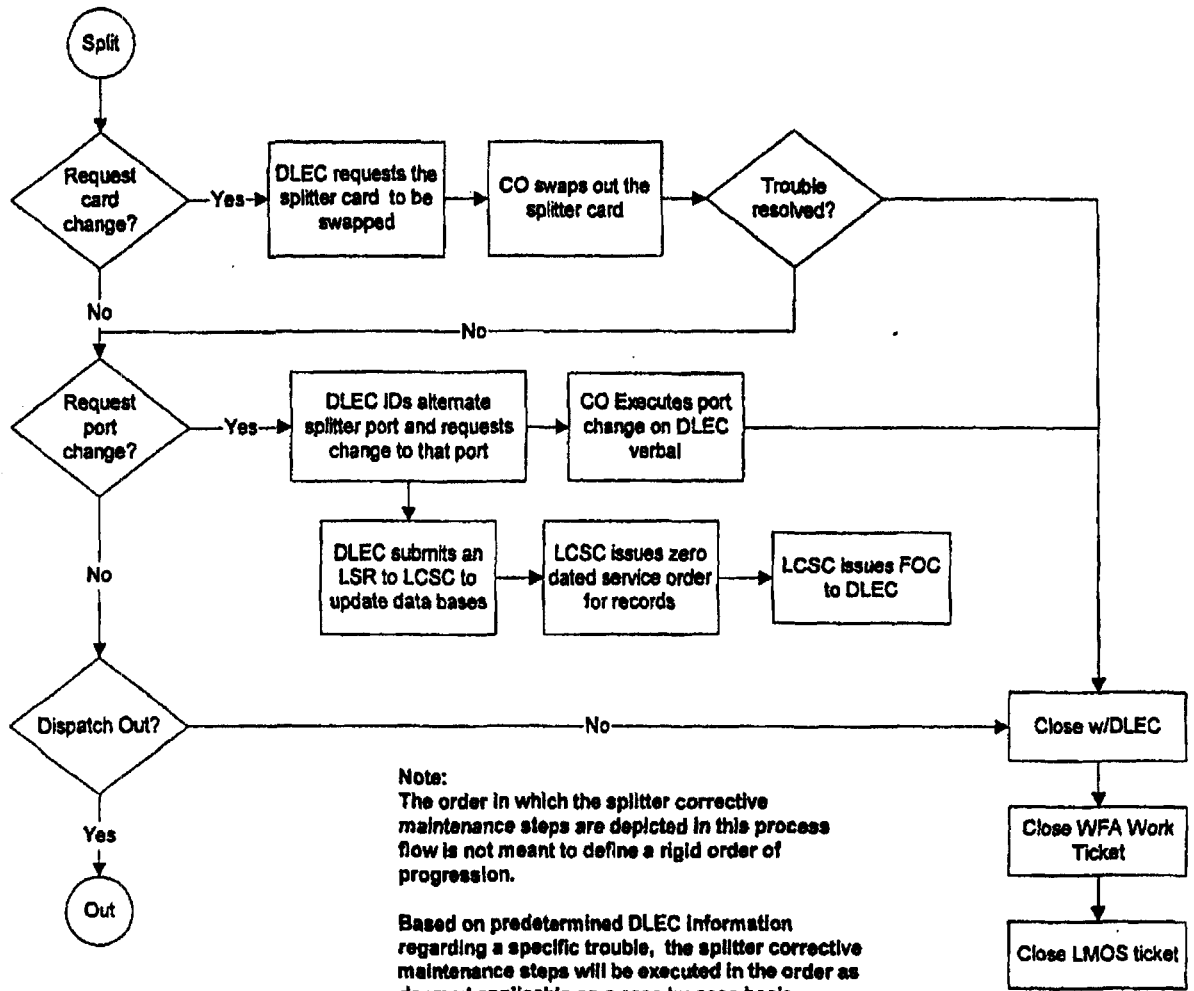
EXHIBIT TGW - 8

Trouble Receipt Process Flow

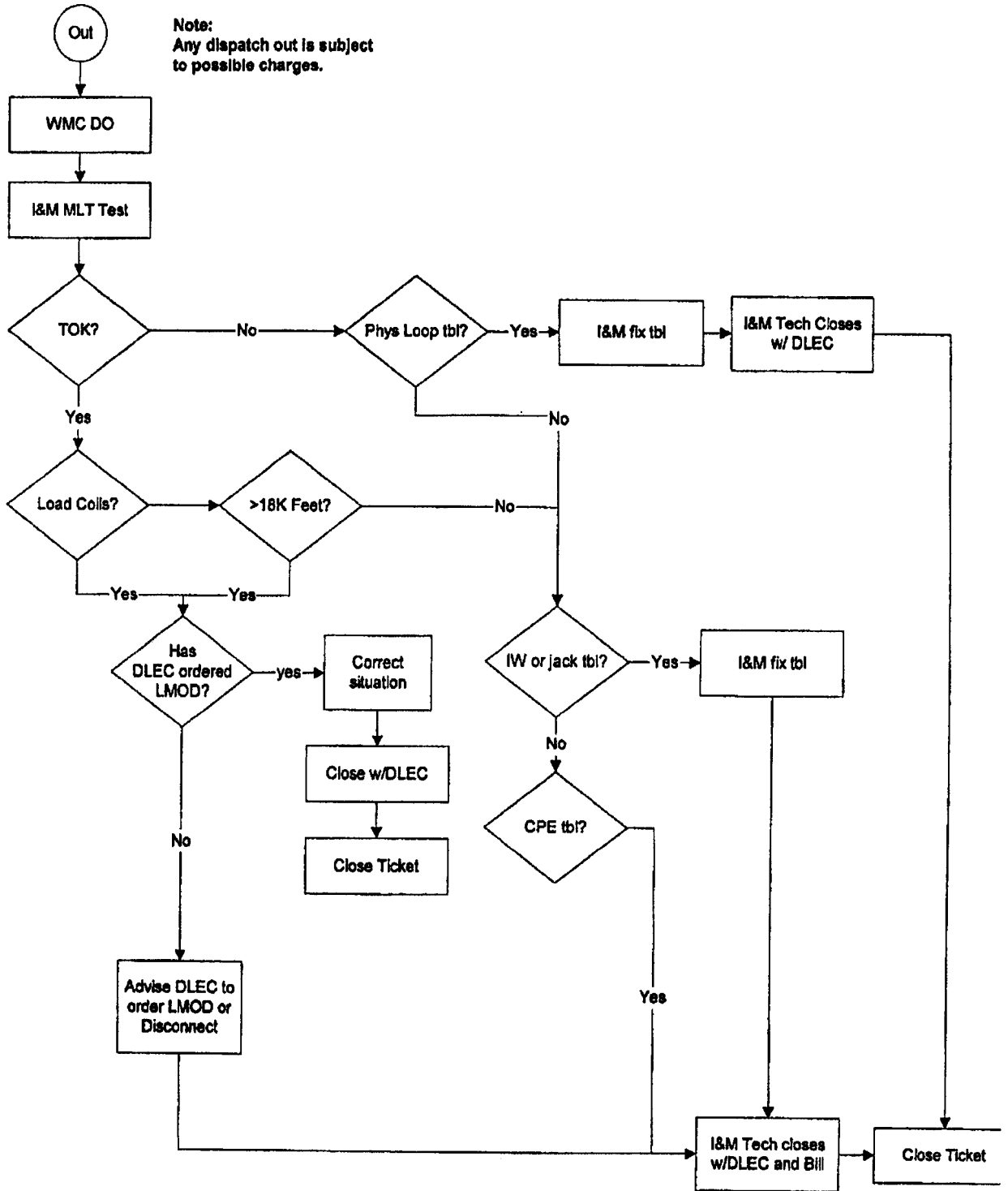
Trouble Receipt Process Flow
Baselined 8/3/2000



Trouble Receipt Process Flow
Baselined 8/3/2000



Trouble Receipt Process Flow
Baselined 8/3/2000



Note:
 At any point in the process the DLEC can open a new ticket for a Dispatch Out Vendor Meet.

Trouble Receipt Process Flow
Baselined 8/3/2000

Maintenance Flow Documentation

ASSUMPTIONS:

This is a data only trouble flow
End User started repair process by calling their ISP
ISP had first right to dispatch.
When problem was not found, ISP referred trouble to DLEC
DLEC calls UNE Center

FLOW:

DLEC calls UNEC to report trouble with circuit ID on LS circuit

UNEC determines if trouble involves voice

If trouble involves voice, UNEC refers DLEC to have the end user call RRC/BRC

If trouble is data only, UCEC creates trouble ticket in LMOS using the circuit id format, advises DLEC of ticket number and routes trouble ticket for dispatch into CO.

CO technician receives ticket and checks continuity of data jumper

If trouble is found in CO, technician fixes trouble and closes with DLEC

If trouble is not found in CO, technician advises DLEC of NTF

DLEC will direct CO on any further action

If DLEC does not request further trouble isolation, CO closes ticket

If DLEC requests further trouble isolation, CO will perform requested activities

DLEC requests splitter card to be reseated
CO performs function
CO contacts DLEC for additional action

DLEC requests splitter card to be replaced
CO performs function
CO contacts DLEC for additional action

DLEC requests CO to rewire to another splitter
DLEC submits records only order to update databases with new splitter assignments
CO rewires per DLEC verbal request
CO advises DLEC function is completed
CO contacts DLEC for additional action

Trouble Receipt Process Flow
Baselined 8/3/2000

DLEC requests a dispatch out, the CO routes trouble ticket for dispatch
Note: Any dispatch out is subject to possible charges.

Trouble ticket is routed to outside technician through MAPPER

Upon receipt of ticket, TECHNET initiates MLT test on line

If MLT tests passes (TOK) I&M technician advises DLEC that no trouble was found
(possible bill to DLEC)

The I&M technician checks for load coils and loop length.

If either condition exists, the I&M technician verifies that DLEC has ordered a LMOD.

If the DLEC has ordered a LMOD, the I&M technician corrects situation and closes
ticket with the DLEC.

If the DLEC has not ordered a LMOD, the I&M technician advises DLEC to order a
LMOD, and closes the ticket with the DLEC and bills DLEC

If MLT test fails and trouble is determined to be in loop, I&M technician repairs trouble
"business as usual" and closes ticket to DLEC

If MLT test fails and trouble is determined to be in inside wire I&M technician repairs
trouble and bills DLEC for repairs

Initial Trouble Reported as VOICE

CO technician will check for continuity and voice and will close ticket as NTF (ie
technician cannot determine if problem is a bad splitter)

Outside technician also determines NTF.

EXHIBIT TGW – 9

**Collaborative Charter CO Based DLEC Collocated Splitter
Line Sharing**

Collaborative Charter

Project Name	CO Based DLEC Collocated Splitter Line Sharing	Project Number:	Line Sharing
Project Manager	Brenda Slonneger	Priority Level	8
		Date:	7/26/2000

(1=lowest, 10=highest)

Owner(s)	BellSouth - Tommy Williams Covad - Lans Chase Duro - Richard McDaniel New Edge - Mary Nelson Rhythms - Dick Schell Sprint - Bryant Smith
-----------------	---

Mission
 The mission of the collaborate is to support the development of, with the mutual agreement to, the processes and procedures required to jointly implement line sharing utilizing DLEC owned splitters collocated in the central office, as an option, in order to meet the requirements of the FCC line sharing order.

Scope
 The collaborative will support the line sharing initiative for DLEC owned splitters located in the central office collocation space by mutually validating the business processes and inter-company interface procedures required to implement this phase of line sharing within the BellSouth area.

- Objectives**
1. Identify line sharing system requirements for DLEC owned splitter option
 2. Identify, test, approve, and secure a line sharing splitter product for DLEC owned splitter option
 3. Implement a line sharing pilot test for DLEC owned splitter option
 4. Validate ordering, provisioning, maintenance, and billing processes for DLEC owned splitter option

- Assumptions**
1. There will be active participation by all members of the collaborative
 2. All the members of the collaborative will be objective and work in good faith
 3. All the members of the collaborative will maintain a mutual respect for their counterparts
 4. Any member of the CLEC/DLEC community may monitor this collaborative
 5. This is a working team and does not include legal representation from the participating companies.

- Constraints**
1. Existing collocation agreements
 2. Requirement to amend existing interconnection agreements
 3. Pilot agreements will be required in the event the collaborative agrees to implement a pilot
 4. Resource availability for participation in the collaborative meetings
 5. Product target implementation date of 9/6/2000

- Time/Major Milestones**
1. Collaborative start date: 6/28/2000
 2. Project schedule complete 7/26/2000
 3. Product target implementation date: 9/6/2000

<p>Cost/Budget/Financial Assumptions The collaborative is a non-funded process. Each participating member will be responsible for their own respective expenses.</p>
<p>Quality/Specification Deploy this phase of line sharing by 9/6/2000.</p>
<p>Major Risks Product target implementation date of 9/6/2000</p>

Project Core Team:	Company	Phone	Email Address
Members:			
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Richard McDaniel	Duro	770-326-9335	rmcdaniel@durocom.com
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Tommy Williams	BellSouth	205-977-0056	Tommy.G.Williams@bridge.bellsouth.com
Brenda Slonneger	BellSouth	205-977-1276	Brenda.B.Slonneger@bridge.bellsouth.com
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Brent MaMahan	Network Telephone	850-469-9904	Brentm@networktelephone.net
Project Monitoring			
Members:			
Chuck Polizzotti	Northpoint	203-256-9317	cpolizzotti@northpointcom.com
Dan Peer	Sprint		dan.peer@mail.sprint.com
Chris Monticue	Sprint		chris.monticue@mail.sprint.com
Richard Shaw	Trivergent Com	864-678-7711	rshaw@trivergent.com

Project Manager Approval:	Signature	Date
Brenda Slonneger		

Owner Approval:	Signature	Date
BellSouth - Tommy Williams		
Covad - Lans Chase		
Duro - Richard McDaniel		
New Edge - Mary Nelson		
Rhythms - Dick Schell		
Sprint - Bryant Smith		

TGW – 10

**Collaborative Charter BST – RT – LS Line Sharing
Collaborative**

Collaborative Charter

Project Name	BST-RT-LS Line Sharing Collaborative	Project Number:	Line Share
Project Manager	Brenda Slonneger	Priority Level	8
		(1-10) <small>(1=lowest, 10=highest)</small>	Date: 7/19/00

Stakeholder(s)	BellSouth - Tommy Williams NorthPoint - Chuck Polizzotti Rhythms - Jim Cuckler Duro - Richard McDaniel Sprint - Chris Monticue
-----------------------	--

Mission
 The mission of the collaborative is to support the development of, with the mutual agreement to, the processes and procedures required to jointly implement line sharing utilizing splitters located in the remote terminal as one of the options to meet the requirements of the FCC line sharing order.

Scope
 The collaborative will support the implementation of the line sharing initiative within the existing collocation guidelines in the remote terminal by mutually establishing the business processes and inter-company interface procedures required to implement and support this phase of line sharing within the BellSouth area.

- Objectives**
1. Identify line sharing system requirements for the RT located splitter option
 2. Identify, test, approve, and secure a line sharing splitter product for the RT located splitter option
 3. Implement a line sharing pilot test for the RT located splitter option
 4. Establish ordering, provisioning, maintenance, and billing processes for the RT located splitter option

- Assumptions**
1. There will be regular participation by all stakeholder members of the collaborative
 2. All the members of the collaborative will be objective and work in good faith
 3. All the members of the collaborative will maintain a mutual respect for their counterparts
 4. Any member of the CLEC/DLEC community may monitor this collaborative
 5. This is a working team and does not include legal representation from the participating companies.
 6. Wavers of existing collocation rules will be obtained in order to implement a pilot test and achieve the target implementation date

- Constraints**
1. RT collocation agreements
 2. Requirement to amend existing interconnection agreements
 3. Pilot agreements will be required in the event the collaborative agrees to implement a pilot
 4. Resource availability for participation in the collaborative meetings
 5. Product target implementation date of 3/31/2001
 6. Achieving desired target date will require wavers of existing collocation rules to implement a pilot test

- Time/Major Milestones**
1. Collaborative start date: 7/19/2000
 2. Project schedule development complete 10/16/2000
 3. Product target implementation date: 3/31/2001

Cost/Budget/Financial Assumptions

The collaborative is a non-funded process. Each participating member will be responsible for their own respective expenses.

Quality/Specification

Deploy this phase of line sharing by 3/31/2001.

Major Risks

- Product target implementation date of 3/31/2001
- Obtaining waivers of existing collocation rules to implement a pilot test prior to implementation date

Project Core Team:	Company	Phone	Email Address
Members:			
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Project Manager Approval:	Signature	Date
Brenda Slonneger		

Stakeholder Approval:	Signature	Date
BellSouth - Tommy Williams		
NorthPoint - Chuck Polizzotti		
Rhythms - Jim Cukler		
Duro - Richard McDaniel		
Sprint - Chris Monticue		

EXHIBIT TGW – 11

**Amendment to the Interconnection Agreement Between Dieca
Communications, Inc. (d/b/a Covad Communications) and
BellSouth**

**AMENDMENT TO THE
INTERCONNECTION AGREEMENT BETWEEN
DIECA COMMUNICATIONS, INC. D/B/A COVAD COMMUNICATIONS
COMPANY and
BELLSOUTH TELECOMMUNICATIONS, INC.
DATED December 1, 1998**

THIS AMENDMENT ("Amendment") is made by and between BellSouth Telecommunications, Inc. ("BellSouth") and DIECA COMMUNICATIONS, INC. d/b/a Covad Communications Company ("Covad"), as of the 25th day of April 2000. (BellSouth and Covad are collectively referred to as the "Parties".)

WHEREAS, the Parties executed an Interconnection Agreement on December 1, 1998. (the "Agreement"); and

WHEREAS, the Parties desire to amend the Agreement to set forth the terms and conditions relating to BellSouth providing to Covad unbundled access to the high frequency spectrum of BellSouth's local loops as a network element.

NOW, THEREFORE, for and in consideration of the promises contained herein, the parties to this Amendment, intending to be legally bound, hereby agree to amend Attachment 2 of the Agreement by adding the following:

GENERAL

- 1.0 BellSouth shall provide Covad access to the high frequency portion of the local loop as an unbundled network element ("High Frequency Spectrum Network Element" or "HUNE") at the rates set forth in Section 4 herein. BellSouth shall provide Covad with the HUNE irrespective of whether BellSouth chooses to offer xDSL services on the loop.
- 1.1 The HUNE is defined as the frequency range above the voiceband on a copper loop facility carrying analog circuit-switched voiceband transmissions. Access to the HUNE is intended to allow Covad's the ability to provide Digital Subscriber Line ("xDSL") data services. The HUNE shall be available for any version of xDSL presumed acceptable for deployment pursuant to 47 C.F.R. Section 51.230, including, but not limited to, ADSL, RADSL, and any other xDSL technology that is presumed to be acceptable for deployment pursuant to FCC rules. BellSouth will continue to have access to the low frequency portion of the loop spectrum (from 300 Hertz to at least 3000 Hertz, and potentially up to 3400 Hertz, depending on equipment and facilities) for the purposes of providing voice service. Covad shall only use xDSL technology that is within the PSD mask parameters set forth in T1.413 or other applicable industry standards. Covad shall provision xDSL service

on the HUNE in accordance with the applicable Technical Specifications and Standards.

- 1.2 The following loop requirements are necessary for Covad to be able to access the HUNE: an unconditioned, 2-wire copper loop. An unconditioned loop is a copper loop with no load coils, low-pass filters, range extenders, DAMLs, or similar devices and minimal bridged taps consistent with ANSI T1.413 and T1.601. The process of removing such devices is called "conditioning." BellSouth shall charge and Covad shall pay as interim rates, the same rates that BellSouth charges for conditioning stand-alone loops (e.g., unbundled copper loops, ADSL loops, and HDSL loops) until permanent pricing for loop conditioning is established either by mutual agreement or by a state public utility commission. The interim costs for conditioning are subject to true up as provided in paragraph 4.0. BellSouth will condition loops to enable Covad to provide xDSL-based services on the same loops the incumbent is providing analog voice service, regardless of loop length. BellSouth is not required to condition a loop for shared-line xDSL if conditioning of that loop significantly degrades BellSouth's voice service. BellSouth shall charge, and Covad shall pay, for such conditioning the same rates BellSouth charges for conditioning stand-alone loops (e.g., unbundled copper loops, ADSL loops, and HDSL loops.) If Covad requests that BellSouth condition a loop longer than 18,000 ft. and such conditioning significantly degrades the voice services on the loop, Covad shall pay for the loop to be restored to its original state.
- 1.3 Covad's meet point is the point of termination for Covad's or the toll main distributing frame in the central office ("Meet Point"). BellSouth will use jumpers to connect the Covad's connecting block to the splitter. The splitter will route the HUNE on the circuit to the Covad's xDSL equipment in the Covad's collocation space.
- 1.4 Covad shall have access to the Splitter for test purposes, irrespective of where the Splitter is placed in the BellSouth premises.

PROVISIONING OF HUNE AND SPLITTER SPACE

2.0 BellSouth will provide Covad with access to the HUNE as follows:

- 2.1 BellSouth is unable to obtain a sufficient number of splitters for placement in all central offices requested by competitive local exchange carriers ("CLECs") by June 6, 2000. Therefore, BellSouth, Covad and other CLECs have developed a process for

allocating the initial orders of splitters. BellSouth will install all splitters ordered on or before April 26, 2000, in accordance with the schedule set forth in Attachment 1 of this Agreement. Once all splitters ordered by all CLECs on or before April 26, 2000, have been installed, BellSouth will install splitters within forty-two (42) calendar days of Covad's submission of such order to the BellSouth Complex Resale Support Group; provided, however, that in the event BellSouth did not have reasonable notice that a particular central office was to have a splitter installed therein, the forty-two (42) day interval shall not apply. Collocation itself or an application for collocation will serve as reasonable notice. BellSouth and Covad will reevaluate this forty-two (42) day interval on or before August 1, 2000.

- 2.2 After June 6, 2000, once a splitter is installed on behalf of Covad in a central office, Covad shall be entitled to order the HUNE on lines served out of that central office.
- 2.3 BellSouth will select, purchase, install, and maintain a central office POTS splitter and provide Covad access to data ports on the splitter. In the event that BellSouth elects to use a brand of splitter other than Siecorm, the Parties shall renegotiate the recurring and non-recurring rates associated with the splitter. In the event the Parties cannot agree upon such rates, the then current rates (final or interim) for the Siecorm splitter shall be the interim rates for the new splitter. BellSouth will provide Covad with a carrier notification letter at least 30 days before of such change and shall work collaboratively with Covad to select a mutually agreeable brand of splitter for use by BellSouth. Covad shall thereafter purchase ports on the splitter as set forth more fully below.
- 2.4 BellSouth will install the splitter in (i) a common area close to the Covad collocation area, if possible; or (ii) in a BellSouth relay rack as close to the Covad DS0 termination point as possible. For purposes of this section, a common area is defined as an area in the central office in which both Parties have access to a common test access point. BellSouth will cross-connect the splitter data ports to a specified Covad DS0 at such time that a Covad end user's service is established.
- 2.5 The HUNE shall only be available on loops on which BellSouth is also providing, and continues to provide, analog voice service. In the event the end-user terminates its BellSouth provided voice service for any reason, and Covad desires to continue providing xDSL service on such loop, Covad shall be required to purchase the full stand-alone loop unbundled network element. In the event

BellSouth disconnects the end-user's voice service pursuant to its tariffs or applicable law, and Covad desires to continue providing xDSL service on such loop, Covad shall be required to purchase the full stand-alone loop unbundled network element.

- 2.6 Covad and BellSouth shall continue to work together collaboratively to develop systems and processes for provisioning the HUNE in various real life scenarios. BellSouth and Covad agree that Covad is entitled to purchase the HUNE on a loop that is provisioned over fiber fed digital loop carrier. BellSouth will provide Covad with access to feeder subloops at UNE prices. BellSouth and Covad will work together to establish methods and procedures for providing Covad access to the HUNE over fiber fed digital loop carriers by August 1, 2000.
- 2.7 Only one competitive local exchange carrier shall be permitted access to the HUNE of any particular loop.
- 2.8 To order HUNE on a particular loop, Covad must have a DSLAM collocated in the central office that serves the end-user of such loop. BellSouth will work collaboratively with Covad to create a concurrent process that allows Covad to order splitters in central offices where Covad is in the process of obtaining collocation space and enables BellSouth to install such splitters before the end of Covad's collocation provisioning interval. While that process is being developed, Covad may order splitters in a central office once it has installed its Digital Subscriber Line Access Multiplexer ("DSLAM") in that central office. BellSouth will install these splitters within the interval provided in paragraph 2.1.
- 2.9 BellSouth will devise a splitter order form that allows Covad to order splitter ports in increments of 24 or 96 ports.
- 2.10 BellSouth will provide Covad the Local Service Request ("LSR") format to be used when ordering the HUNE.
- 2.11 BellSouth will initially provide access to the HUNE within the following intervals: Beginning on June 6, 2000, BellSouth will return a Firm Order Confirmation ("FOC") in no more than two (2) business days. BellSouth will provide Covad with access to the HUNE as follows:
 - 2.11.1 For 1-5 lines at the same address within three (3) business days from the receipt of Covad's LSR; 6-10 lines at same address within 5 business days; and more than 10 lines at the same address is to be

negotiated. BellSouth and Covad will re-evaluate these intervals on or before August 1, 2000.

- 2.12 Covad will initially use BellSouth's existing pre-qualification functionality and order processes to pre-qualify line and order the HUNE. Covad and BellSouth will continue to work together to modify these functionalities and processes to better support provisioning the HUNE. BellSouth will use its best efforts to make available to Covad, by the fourth quarter of 2000, an electronic pre-ordering, ordering, provisioning, repair and maintenance and billing functionalities for the HUNE.

MAINTENANCE AND REPAIR

- 3.0 Covad shall have access, for test, repair, and maintenance purposes, to any loop as to which it has access to the HUNE. Covad may access the loop at the point where the combined voice and data signal exits the central office splitter.
- 3.1 BellSouth will be responsible for repairing voice services and the physical line between the network interface device at the customer premise and the Meet Point of demarcation in the central office. Covad will be responsible for repairing data services. Each Party will be responsible for maintaining its own equipment.
- 3.2 If the problem encountered appears to impact primarily the xDSL service, the end user should call Covad. If the problem impacts primarily the voice service, the end user should call BellSouth. If both services are impaired, the recipient of the call should coordinate with the other service provider(s).
- 3.3 BellSouth and Covad will work together to diagnose and resolve any troubles reported by the end-user and to develop a process for repair of lines as to which Covad has access to the HUNE. The Parties will continue to work together to address customer initiated repair requests and other customer impacting maintenance issues to better support unbundling of HUNE.
 - 3.3.1 The Parties will be responsible for testing and isolating troubles on its respective portion of the loop. Once a Party ("Reporting Party") has isolated a trouble to the other Party's ("Repairing Party") portion of the loop, the Reporting Party will notify the Repairing Party that the trouble is on the Repairing Party's portion of the loop. The

Repairing Party will take the actions necessary to repair the loop if it determines a trouble exists in its portion of the loop.

3.3.2 If a trouble is reported on either Party's portion of the loop and no trouble actually exists, the Repairing Party may charge the Reporting Party for any dispatching and testing (both inside and outside the central office) required by the Repairing Party in order to confirm the loop's working status.

3.4 In the event Covad's deployment of xDSL on the HUNE significantly degrades the performance of other advanced services or of BellSouth's voice service on the same loop, BellSouth shall notify Covad and allow twenty-four (24) hours to cure the trouble. If Covad fails to resolve the trouble, BellSouth may discontinue Covad's access to the HUNE on such loop.

PRICING

4.0 BellSouth and Covad agree to the following negotiated, interim rates for the HUNE. All interim prices will be subject to true up based on either mutually agreed to permanent pricing or permanent pricing established in a line sharing cost proceeding conducted by state public utility commissions. In the event interim prices are established by state public utility commissions before permanent prices are established, either through arbitration or some other mechanism, the interim prices established in this Agreement will be changed to reflect the interim prices mandated by the state public utility commissions; however, no true up will be performed until mutually agreed to permanent prices are established or permanent prices are established by state public utility commissions. Once a docket in a particular state in BellSouth's region has been opened to determine permanent prices for the HUNE, BellSouth will provide cost studies for that state for the HUNE upon Covad's written request, within 30 days or such other date as may be ordered by a state commission. All cost related information shall be provided pursuant to a proprietary, non-disclosure agreement.

4.1 BellSouth and Covad enter into this Agreement without waiving current or future relevant legal rights and without prejudicing any position BellSouth or Covad may take on relevant issues before state or federal regulatory or legislative bodies or courts of competent jurisdiction. This clause specifically contemplates but is not limited to: (a) the positions BellSouth or Covad may take in any cost docket related to the terms and conditions associated with access to the HUNE; and (b) the positions that BellSouth or Covad might take before the FCC or any state public utility commission related to the terms and conditions under which BellSouth must

provide Covad with access to the HUNE. The interim rates set forth herein were adopted as a result of a compromise between the parties and do not reflect either party's position as to final rates for access to the HUNE.

DESCRIPTION	USOC	RATES BY STATE								
		AL	FL	GA	KY	LA	MS	NC	SC	TN
SYSTEM, SPLITTER - 96 LINE CAPACITY	ULSDA									
Monthly recurring		\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100
Non Recurring - 1st		\$300	\$150	\$300	\$300	\$300	\$300	\$300	\$300	\$300
Non Recurring - Add'l.		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Non Recurring - Disconnect Only		NA	\$150	NA	NA	NA	NA	NA	NA	NA
SYSTEM, SPLITTER - 24 LINE CAPACITY	ULSOB									
Monthly recurring		\$25	\$25	\$25	\$25	\$25	\$25	\$25	\$25	\$25
Non Recurring		\$300	\$150	\$300	\$300	\$300	\$300	\$300	\$300	\$300
Non Recurring - Add'l.		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Non Recurring - Disconnect Only		NA	\$150	NA	NA	NA	NA	NA	NA	NA
LOOP CAPACITY, LINE ACTIVATION - PER OCCURRENCE	ULSDC									
Monthly recurring		\$6.00	\$6.00	\$6.00	\$6.00	\$6.00	\$6.00	\$6.00	\$6.00	\$6.00
Non Recurring - 1st		\$40	\$40	\$40	\$40	\$40	\$40	\$40	\$40	\$40
Non Recurring - Add'l.		\$22	\$22	\$22	\$22	\$22	\$22	\$22	\$22	\$22
SUBSEQUENT ACTIVITY - PER OCCURRENCE -	ULSDS									
Non Recurring - 1st		\$30	\$30	\$30	\$30	\$30	\$30	\$30	\$30	\$30
Non Recurring - Add'l.		\$15	\$15	\$15	\$15	\$15	\$15	\$15	\$15	\$15

4.2 Any element necessary for interconnection that is not identified above is priced as currently set forth in the Agreement.

5.0 BellSouth shall make available to Covad any agreement for the HUNE entered into between BellSouth and any other CLÉC. If Covad elects to adopt such agreement, Covad shall adopt all rates, terms and conditions relating to the HUNE in such agreement.

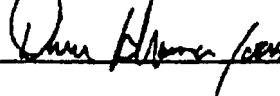
6.0 In the event of a conflict between the terms of this Amendment and the terms of the Interconnection Agreement, the terms of this Amendment shall prevail.

7.0 All of the other provisions of the Agreement shall remain in full force and effect.

8.0 Either or both of the Parties is authorized to submit this Amendment to the respective state regulatory authorities for approval subject to Section 252(e) of the Federal Telecommunications Act of 1996.

IN WITNESS WHEREOF, the Parties hereto have caused this Amendment to be executed by their respective duly authorized representatives on the date indicated below.

DIECA COMMUNICATIONS, INC.
d/b/a Covid Communications Company

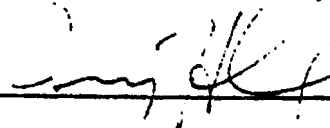
By: 

Name: Dhruv Khanna

Title: Executive Vice President and
General Counsel

Date: 4/26/00

BellSouth Telecommunications, Inc.

By: 

Name: Jerry Hendrix

Title: Senior Director

Date: 4/26/00

ATTACHMENT 1

CLEC/BellSouth Line Sharing Jointly Developed Rules for Splitter Allocation

BellSouth is unable to obtain a sufficient number of splitters for placement in all central offices requested by competitive local exchange carriers ("CLECs") by June 6, 2000. As a result of the current shortage of splitters, CLECs and BellSouth developed the following rules for splitter allocation. These rules shall apply until such time as those CLECs participating in the creation of the rules agree that the regular splitter installation rules should apply.

1. There shall be a single CLEC priority list of central offices that shall consist of the Georgia CLEC priority list combined with the priority list from the other states in BellSouth's nine-state region (the "Priority List"). This priority list shall be used for filling orders; it shall determine the order in which splitters will be deployed in those central offices for which splitters have been ordered. Georgia central offices (CO) will have priority over other state's COs. The Priority List is attached hereto.
2. During the allocation period, a CLEC may order 24 ports or 96 ports. In either event, BellSouth shall install a 96 port splitter in accordance with the Priority List. However, during the allocation period, in the event a CLEC orders 96 ports, BellSouth will only allocate 24 ports of the 96 port splitter to the first CLEC that orders a splitter for that central office, thus creating a backlog of 72 ports that have already been ordered by that CLEC ("Backlog"). In the event of a Backlog, BellSouth will charge CLEC a monthly recurring charge appropriate for the number of ports allocated to CLEC. In addition, if CLEC requested a 96 port splitter, it shall pay a non-recurring charge for a 96 port splitter, but shall pay no non-recurring charges when additional ports are added to alleviate the Backlog.
3. BellSouth will allocate, on a first-come/first-served basis, the remaining 72 ports of the splitter (in blocks of 24 ports) to the other CLECs that place an order for a splitter at that same central office.

Orders Submitted by April 26, 2000 with Due Date of June 6, 2000 or Sooner

4. A firm order for a splitter issued to the BellSouth Complex Resale Support Group (CRSG) on or by April 26, 2000, with due date of June 6, 2000, or sooner, will be given priority over orders received after April 26, 2000.

Orders for the first 200 splitters received prior to April 26, 2000, will be installed on or before June 5, 2000, and shall be installed in accordance with the priority list. The first 25 splitter orders shall be installed no later than May 22, 2000.

5. In the event CLECs submit to BellSouth more than 200 splitter orders on or before April 26, 2000, BellSouth shall install fifty (50) splitters a week each week after June 5, 2000.
6. In the event there are more than four (4) orders submitted on or before April 26, 2000, for a splitter at a particular central office, a second splitter will be installed at that central office in accordance with the Priority List.
7. Backlogs associated with orders submitted on or before April 26, 2000 will be fulfilled in their entirety before any orders received after April 26, 2000 are worked. In fulfilling a Backlog, the CLEC's additional ports may not be on the same shelf as the initial 24 ports.

Orders Received after April 26, 2000

8. Irrespective of the Priority List, no orders received after April 26, 2000, will be worked until after all orders received on or before April 26, 2000 have been completed.
9. Once all orders received on or before April 26, 2000, have been worked in their entirety, orders received after April 26, 2000, will have a minimum interval of forty-two (42) calendar days from date of receipt.

Orders Submitted with Due Dates After June 6, 2000

10. Any order submitted on or before April 26, 2000, with a due date of after June 6, 2000, will be completed according to the due date provided there is available inventory and all orders with a due date of June 6, 2000 or earlier have been completed.

Georgia Rating/Ranking of Central Offices for Linesharing

March 9, 2000

Covad, Rythms, Northpoint, New Edge

CLLI	Combined Ranking
MRTTGAMA	1
RSWLGAMA	2
ATLNGABU	3
ATLNGAPP	4
DLTHGAHS	5
ATLNGASS	6
CHMBGAMA	7
AGSTGAU	8
LRVLGAOS	9
MRTTGAEA	10
SMYRGAMA	11
LLBNGAMA	12
WDSTGACR	13
ATHNGAMA	14
AGSTGAFL	15
AGSTGATH	18
JNBOGAMA	17
NRCRGAMA	18
ATLNGATH	19
ALPRGAMA	20
DNWDGAMA	21
CMNGGAMA	22
AGSTGAMT	23
ALBYGAMA	24
GSVLGAMA	25
SNLVGAMA	26
ATLNGAIC	27
ATLNGAEP	28
TUKRGAMA	29
ROMEGATL	30
VLD SGAMA	31
MACNGAMT	32
ASTLGAMA	33
SMYRGAPF	34
DGVLGAMA	35
ATLNGAEL	38
SNMTGALR	37
CNYRGAMA	38
MACNGAVN	39
WRRBGAMA	40
NWNNGAMA	41
ATLNGAWD	42
GRFNGAMA	43
PANLGAMA	44
BUFRGABH	45

ATLNGACD	46
MACNGAGP	47
SVNHGABS	48
ATLNGACS	49
PTCYGAMA	50
RVDLGAMA	51
STBRGANH	52
MCDNGAGS	53
ATLNGAWE	54
SVNHGADE	55
SVNHGAWB	56
ATLNGAGR	57
ATLNGAAD	58
CRVLGAMA	59
ACWOGAMA	60
ATLNGABH	61
FYVLGASG	62
SVNHGAGC	63
SVNHGAWI	64
ATLNGAFP	65
ATLNGAHR	66
PWSPGAAS	67
CRTNGAMA	68
ATLNGALA	69
MRRWGAMA	70
CLMBGAMT	71
CLMBGAMW	72
LTHNGAJS	73
CVTNGAMT	74
DLLSGAES	75
FRBNGAEB	76
CLMBGABV	77
BRWKGAMA	78
ATLNGAQS	79
CNTNGAXB	80
LGVLGACS	81
SSISGAES	82

BellSouth Central Offices (All states excluding GA)

Ref. #	CLLI	State	Combined CLEC Rank
312	PRRNFLMA	FL	1
1330	MMPHTNBA	TN	2
1362	NSVLTNMT	TN	3
202	GSVFLNW	FL	4
1	ALBSALMA	AL	5
13	BRHMALCH	AL	6
268	MLBRFLMA	FL	7
1337	MMPHTNMA	TN	8
285	ORLDFLAP	FL	9
1335	MMPHTNGT	TN	10
208	HLWDFLPE	FL	11
289	ORLDFLPH	FL	12
1333	MMPHTNEL	TN	13
324	STRTFLMA	FL	14
14	BRHMALCP	AL	15
15	BRHMALEL	AL	16
1141	CLMASCSN	SC	17
1240	CHTGTNNS	TN	18
1339	MMPHTNOA	TN	19
1073	RLGHNCST	NC	20
299	PMBHFLCS	FL	21
698	NWORLASW	LA	22
1354	NSVLTNBW	TN	23
1309	KNVLTNMA	TN	24
16	BRHMALEN	AL	25
17	BRHMALEW	AL	26
1345	MRBOTNMA	TN	27
1364	NSVLTNUN	TN	28
623	KNNRLABR	LA	29
984	CARYNCCE	NC	30
333	WPBHFLGA	FL	31
1356	NSVLTNCH	TN	32
1363	NSVLTNST	TN	33
429	LSVLKYAP	KY	34
20	BRHMALHW	AL	35
21	BRHMALMT	AL	36
638	LFYTLAMA	LA	37
1308	KNTNTNMA	TN	38
693	NWORLAMT	LA	39
148	BCRTFLMA	FL	40
180	BCRTFLSA	FL	41
1340	MMPHTNSL	TN	42
1338	MMPHTNMT	TN	43
307	PNSCFLFP	FL	44
22	BRHMALOM	AL	45
23	BRHMALOX	AL	46
178	DYBHFLMA	FL	47
1352	NSVLTNAP	TN	48
1332	MMPHTNCT	TN	49
334	WPBHFLGR	FL	50
249	MIAMFLCA	FL	51
732	SLIDLAMA	LA	52
1307	KNVLTNBE	TN	53
64	MTGMALDA	AL	54
24	BRHMALRC	AL	55
26	BRHMALVA	AL	56
196	FTPRFLMA	FL	57

Ref. #	CLLI	State	Combined CLEC Rank
1272	FKLNTNMA	TN	58
695	NWORLARV	LA	59
1019	GNBONCAS	NC	60
1068	RLGHNCGL	NC	61
692	NWORLAMR	LA	62
1310	KNVLTNWH	TN	63
179	DYBHFLPO	FL	64
34	BSMRALMA	AL	65
148	BCRTFLBT	FL	66
233	JPTRFLMA	FL	67
1357	NSVLTNDO	TN	68
697	NWORLASK	LA	69
189	FTLDFLJA	FL	70
262	MIAMFLRR	FL	71
286	ORLDFLPC	FL	72
1361	NSVLTNMC	TN	73
667	MONRLAMA	LA	74
664	MNFDLAMA	LA	75
157	BYBHFLMA	FL	76
170	DLBHFLKP	FL	77
554	BTRGLAGW	LA	78
1237	CHTGTNOT	TN	79
232	JCVLFLWC	FL	80
253	MIAMFLHL	FL	81
988	CHRLNCCE	NC	82
431	LSVLKYBR	KY	83
1353	NSVLTNBV	TN	84
1158	FLRNSCMA	SC	85
171	DLBHFLMA	FL	86
174	DRBHFLMA	FL	87
1323	MAVLTNMA	TN	88
1358	NSVLTNGH	TN	89
230	JCVLFLSJ	FL	90
301	PMBHFLMA	FL	91
265	MIAMFLWD	FL	92
287	ORLDFLMA	FL	93
1366	NSVLTNWM	TN	94
164	COCOFLMA	FL	95
187	FTLDFLCR	FL	96
188	FTLDFLCY	FL	97
330	VRBHFLMA	FL	98
1280	GOVLTNMA	TN	99
696	NWORLASC	LA	100
264	MIAMFLSO	FL	101
989	CHRLNCCR	NC	102
683	NWORLAAR	LA	103
1311	KNVLTNYH	TN	104
557	BTRGLAMA	LA	105
190	FTLDFLMR	FL	106
191	FTLDFLOA	FL	107
1250	CLVLTNMA	TN	108
987	CHRLNCCA	NC	109
430	LSVLKYBE	KY	110
338	WPBHFLRP	FL	111
271	MNDRFLLO	FL	112
229	JCVLFLRV	FL	113
1020	GNBONCEU	NC	114
306	PNSCFLBL	FL	115
192	FTLDFLPL	FL	116

Ref. #	CLLI	State	Combined CLEC Rank
194	FTLDFLSU	FL	117
1236	CHTGTNBR	TN	118
986	CHRLNCBO	NC	119
687	NWORLACM	LA	120
1004	CPHLNCRO	NC	121
209	HLWDFLWH	FL	122
1341	MMPHTNST	TN	123
996	CHRLNCSH	NC	124
848	JCSNMSCP	MS	125
195	FTLDFLWN	FL	126
206	HLWDFLHA	FL	127
969	AHVLNCOH	NC	128
995	CHRLNCRE	NC	129
227	JCVLFLNO	FL	130
442	LSVLKYWE	KY	131
1069	RLGHNCHO	NC	132
436	LSVLKYOA	KY	133
992	CHRLNCLP	NC	134
356	BWLGKYMA	KY	135
207	HLWDFLMA	FL	136
218	JCBHFLMA	FL	137
305	PNCYFLMA	FL	138
1022	GNBONCLA	NC	139
220	JCVLFLAR	FL	140
335	WPBHFLHH	FL	141
319	SNFRFLMA	FL	142
439	LSVLKY5M	KY	143
222	JCVLFLCL	FL	144
90	TSCALMT	AL	145
221	JCVLFLBW	FL	146
223	JCVLFLFC	FL	147
1247	CLEVTNMA	TN	148
201	GSVLFLMA	FL	149
691	NWORLAMC	LA	150
300	PMBHFLFE	FL	151
293	OVIDFLCA	FL	152
594	FKTNLAMA	LA	153
231	JCVLFLSM	FL	154
66	MTGMALMT	AL	155
243	MIAMFLAE	FL	156
245	MIAMFLAP	FL	157
99	DCTRALMT	AL	158
217	JCBHFLAB	FL	159
286	ORLDFLCL	FL	160
1102	WNSLNCVI	NC	161
428	LSVLKYAN	KY	162
981	BURLNCDA	NC	163
59	MOBLALSH	AL	164
314	PTSLFLMA	FL	165
246	MIAMFLBA	FL	166
248	MIAMFLBR	FL	167
123	HNVIALMT	AL	168
19	BRHMALFS	AL	169
690	NWORLAMA	LA	170
1287	HDVLTNMA	TN	171
290	ORLDFLSA	FL	172
1028	GSTANC50	NC	173
52	MOBLALAZ	AL	174
1211	SUVLSCMA	SC	175

Ref. #	CLLI	State	Combined CLEC Rank
241	MIAMFLFL	FL	176
252	MIAMFLGR	FL	177
1131	CHTNSCWA	SC	178
54	MOBLALOS	AL	179
75	PNSNALMA	AL	180
1058	MTOLNCCE	NC	181
1070	RLGHNCJO	NC	182
1099	WNSLNCFI	NC	183
124	HNVIALPW	AL	184
472	OWBOKYMA	KY	185
254	MIAMFLIC	FL	186
1125	CHTNSCDP	SC	187
255	MIAMFLKE	FL	188
1140	CLMASCSH	SC	189
441	LSVLKYVS	KY	190
311	PNVDFLMA	FL	191
277	NDADFLBR	FL	192
1312	LBNNTNMA	TN	193
1166	GNVLSCDT	SC	194
281	NSBHFLMA	FL	195
256	MIAMFLME	FL	196
257	MIAMFLNM	FL	197
558	BTRGLAOH	LA	198
1126	CHTNSCDT	SC	199
33	BSMRALHT	AL	200
337	WPBHFLRB	FL	201
291	ORPKFLMA	FL	202
997	CHRLNCTH	NC	203
1169	GNVLSCWR	SC	204
327	TTVLFLMA	FL	205
260	MIAMFLPB	FL	206
261	MIAMFLPL	FL	207
849	JCSNMSMB	MS	208
1188	MNPLSCES	SC	209
577	CVTNLAMA	LA	210
279	NDADFLLOL	FL	211
998	CHRLNCUN	NC	212
1071	RLGHNCMO	NC	213
1130	CHTNSCNO	SC	214
310	PNSCFLWA	FL	215
276	NDADFLAC	FL	216
266	MIAMFLWM	FL	217
177	DYBHFLOB	FL	218
1138	CLMASCSA	SC	219
885	NWORLACA	LA	220
1067	RLGHNCGA	NC	221
330	WPBHFLLE	FL	222
624	KNNRLAHN	LA	223
1207	SPBGSCMA	SC	224
1080	SLBRNCMA	NC	225
278	NDADFLGG	FL	226
302	PMBHFLTA	FL	227
1143	CLMASCSW	SC	228
440	LSVLKYTS	KY	229
1257	CRTHTNMA	TN	230
28	BRHMALWL	AL	231
436	LSVLKYJT	KY	232
639	LFYTLAVM	LA	233
332	WPBHFLAN	FL	234

Ref. #	CLLI	State	Combined CLEC Rank
1369	OKRGTNMT	TN	235
126	HNVALUN	AL	236
438	LSVLKYSL	KY	237
483	PMBRKYMA	KY	238
202	ORPKFLRW	FL	239
559	BTRGLASB	LA	240
729	SHPTLAMA	LA	241
433	LSVLKYFC	KY	242
432	LSVLKYCW	KY	243
1300	JCSNTNMA	TN	244
561	BTRGLAWN	LA	245
1101	WNSLNCLE	NC	246
1277	GALLTNMA	TN	247
556	BTRGLAIS	LA	248
726	SHPTLABS	LA	249
889	NWORLALK	LA	250
1254	CNVLTNMA	TN	251
642	LKCHLADT	LA	252
727	SHPTLACL	LA	253
1388	SMYRTNMA	TN	254
1262	OKSNTNMT	TN	255
728	SHPTLAHD	LA	256
1031	HNVLNCCH	NC	257
971	APEXNCCE	NC	258
990	CHRLNCDE	NC	259
1346	MRTWTNMA	TN	260
852	JCSNMSRW	MS	261
1394	SPFDTNMA	TN	262
665	MNVLLAMA	LA	263
1023	GNBONCMC	NC	264
1106	AIKNSCMA	SC	265
901	CHRLNCER	NC	266
1072	RLGHNCSE	NC	267
645	LKCHLAUN	LA	268
1045	LNTNNCMA	NC	269
283	MIAMFLSH	FL	270
1017	GLBONCMA	NC	271
1308	KNVLTNFC	TN	272
1135	CLMASCCH	SC	273
1100	WNSLNCGL	NC	274
824	GLPTMSTS	MS	275
258	MIAMFLNS	FL	276
67	MTGMALNO	AL	277
259	MIAMFLOL	FL	278
1398	SVLNTNMT	TN	279
993	CHRLNCMI	NC	280
1085	SSVLNCMA	NC	281
982	BURLNCEL	NC	282
731	SHPTLASG	LA	283
1024	GNBONCPG	NC	284
74	PHCYALMA	AL	285
244	MIAMFLAL	FL	286
296	PCBHFLN	FL	287
1037	KNDLNCCE	NC	288
169	COCOFLE	FL	289
434	LSVLKYHA	KY	290
838	HTBGMSMA	MS	291
1078	SELMNCMA	NC	292
60	MOBLALSK	AL	293

Ref. #	CLLI	State	Combined CLEC Rank
1009	DVSNNCFO	NC	294
582	DN\$PLAMA	LA	295
1098	WNSLNCCL	NC	296
10	AUBNALMA	AL	297
1083	SRFONCCE	NC	298
399	FRFTKYMA	KY	299
247	MIAMFLBC	FL	300
1248	CLMATNMA	TN	301
1018	ONBONCAP	NC	302
1138	CLMASCDF	SC	303
1105	ZBLNCCCE	NC	304
321	STAGFLMA	FL	305
1096	WNDLNCPI	NC	306
848	JCSNMS8L	MS	307
11	BLFNALMA	AL	308
427	LSVLKY26	KY	309
193	FTLDFLSG	FL	310
1242	CHTGTNRO	TN	311
212	HMSTFLNA	FL	312
159	CCBHFLMA	FL	313
985	CARYNCWS	NC	314
560	BTRGLASW	LA	315
295	PAHKFLMA	FL	316
1133	CLMASCAR	SC	317
250	MIAMFLDB	FL	318
122	HNVIALLW	AL	319
1066	RLGHNCDU	NC	320
1142	CLMASCSU	SC	321
210	HMSTFLEA	FL	322
164	BLGLFLMA	FL	323
1288	CRVLTNMA	TN	324
851	JCSNMSPC	MS	325
1241	CHTGTNRB	TN	326
1053	MGTNCCGR	NC	327
89	TSCLALDH	AL	328
ADD	HNVIALLRA	AL	329
730	SHPTLAQB	LA	330
978	BOONNCKI	NC	331
839	HTBGMSWE	MS	332
8	ATHNALMA	AL	333
610	HMNDLAMA	LA	334
874	MOSNMSES	MS	335
71	OPLKALMT	AL	336
769	BILXMSED	MS	337
289	MLTNFLRA	FL	338
1301	JCSNTNNS	TN	339
55	MOBLALPR	AL	340
852	BTRGLABK	LA	341
847	JCSNMSCB	MS	342
437	LSVLKYSH	KY	343
1129	CHTNSCLB	SC	344
492	RCMDKYMA	KY	345
411	HNSNKYMA	KY	346
1040	LENRNCHA	NC	347
1190	NAGSSCMA	SC	348
77	PRVLALMA	AL	349
213	HTISFLMA	FL	350
972	ARDNCCCE	NC	351
200	GLBRFLMC	FL	352

Ref. #	CLLJ	State	Combined CLEC Rank
823	GLPTMSLY	MS	353
315	PTSLFLSO	FL	354
51	MOBLALAP	AL	355
1127	CHTNSCJM	SC	356
893	DCSPMSGO	MS	357
91	TSCALNO	AL	358
317	SBSTFLMA	FL	359
527	WNCHKYMA	KY	360
58	MOBLALSF	AL	361
1239	CHTGTNMV	TN	362
1016	GLBONCAD	NC	363
770	BILXMSMA	MS	364
1400	TLHTNMA	TN	365
109	FRKPALMA	AL	366
1368	NWPTTNMT	TN	367
56	MOBLALSA	AL	368
866	MONRLADS	LA	369
668	MONRLAWM	LA	370
57	MOBLALSE	AL	371
404	GRTWKYMA	KY	372
970	AHVLNCOT	NC	373
1385	SHVLTNMA	TN	374
780	BRNDMSES	MS	375
1414	WNCHTNMA	TN	376
1347	MSCTTNMT	TN	377
1315	LNCYTNMA	TN	378
240	LYHNFLOH	FL	379
1374	PLSKTNMA	TN	380
1317	LRBGTNMA	TN	381
555	BTRGLAHR	LA	382
294	PACEFLPV	FL	383
850	JCSNMSNR	MS	384
1243	CHTGTNSE	TN	385
204	HBSDFLMA	FL	386
1319	LXTNTNMA	TN	387
1343	MNCHTNMA	TN	388
1249	CLTNTNMA	TN	389
322	STAGFLSH	FL	390
1041	LENRNCHU	NC	391
308	PNSCFLHC	FL	392
1285	GTBGTNMT	TN	393
968	AHVLNCBI	NC	394
1238	CHTGTNHT	TN	395
304	PNCYFLCA	FL	396

EXHIBIT TGW – 12

**Amendment to the Interconnection Agreement Between New
Edge Network, Inc. and BellSouth**

**AMENDMENT TO THE
INTERCONNECTION AGREEMENT BETWEEN
NEW EDGE NETWORK, INC. D/B/A NEW EDGE NETWORKS and
BELLSOUTH TELECOMMUNICATIONS, INC.
DATED SEPTEMBER 27, 1999**

THIS AMENDMENT ("Amendment") is made by and between BellSouth Telecommunications, Inc. ("BellSouth") and New Edge Network, Inc. d/b/a New Edge Networks ("New Edge"), as of the 27th day of April 2000. (BellSouth and New Edge are collectively referred to as the "Parties".)

WHEREAS, the Parties executed an Interconnection Agreement on September 27, 1999 (the "Agreement"); and

WHEREAS, the Parties desire to amend the Agreement to set forth the terms and conditions relating to BellSouth providing to New Edge unbundled access to the high frequency spectrum of BellSouth's local loops as a network element.

NOW, THEREFORE, for and in consideration of the promises contained herein, the parties to this Amendment, intending to be legally bound, hereby agree to amend Attachment 2 of the Agreement by adding the following:

GENERAL

- 1.0 BellSouth shall provide New Edge access to the high frequency portion of the local loop as an unbundled network element ("High Frequency Spectrum Network Element" or "HUNE") at the rates set forth in Section 4 herein. BellSouth shall provide New Edge with the HUNE irrespective of whether BellSouth chooses to offer xDSL services on the loop.
- 1.1 The HUNE is defined as the frequency range above the voiceband on a copper loop facility carrying analog circuit-switched voiceband transmissions. Access to the HUNE is intended to allow New Edge the ability to provide Digital Subscriber Line ("xDSL") data services. The HUNE shall be available for any version of xDSL presumed acceptable for deployment pursuant to 47 C.F.R. Section 51.230, including, but not limited to, ADSL, RADSL, and any other xDSL technology that is presumed to be acceptable for deployment pursuant to FCC rules. BellSouth will continue to have access to the low frequency portion of the loop spectrum (from 300 Hertz to at least 3000 Hertz, and potentially up to 3400 Hertz, depending on equipment and facilities) for the purposes of providing voice service. New Edge shall only use xDSL technology that is within the PSD mask parameters set forth in T1.413 or other applicable industry standards. New Edge shall provision xDSL service on the HUNE in accordance with the applicable Technical Specifications and Standards.

- 1.2 The following loop requirements are necessary for New Edge to be able to access the HUNE: an unconditioned, 2-wire copper loop. An unconditioned loop is a copper loop with no load coils, low-pass filters, range extenders, DAMLs, or similar devices and minimal bridged taps consistent with ANSI T1.413 and T1.601. The process of removing such devices is called "conditioning." BellSouth shall charge and New Edge shall pay as interim rates, the same rates that BellSouth charges for conditioning stand-alone loops (e.g., unbundled copper loops, ADSL loops, and HDSL loops) until permanent pricing for loop conditioning is established either by mutual agreement or by a state public utility commission. The interim costs for conditioning are subject to true up as provided in paragraph 4.0. BellSouth will condition loops to enable New Edge to provide xDSL-based services on the same loops the incumbent is providing analog voice service, regardless of loop length. BellSouth is not required to condition a loop for shared-line xDSL if conditioning of that loop significantly degrades BellSouth's voice service. BellSouth shall charge, and New Edge shall pay, for such conditioning the same rates BellSouth charges for conditioning stand-alone loops (e.g., unbundled copper loops, ADSL loops, and HDSL loops.) If New Edge requests that BellSouth condition a loop longer than 18,000 ft. and such conditioning significantly degrades the voice services on the loop, New Edge shall pay for the loop to be restored to its original state.
- 1.3 New Edge's meet point is the point of termination for New Edge or the toll main distributing frame in the central office ("Meet Point"). BellSouth will use jumpers to connect the New Edge's connecting block to the splitter. The splitter will route the HUNE on the circuit to the New Edge's xDSL equipment in New Edge's collocation space.
- 1.4 New Edge shall have access to the Splitter for test purposes, irrespective of where the Splitter is placed in the BellSouth premises.

PROVISIONING OF HUNE AND SPLITTER SPACE

- 2.0 BellSouth will provide New Edge with access to the HUNE as follows:
 - 2.1 BellSouth is unable to obtain a sufficient number of splitters for placement in all central offices requested by competitive local exchange carriers ("CLECs") by June 6, 2000. Therefore, BellSouth, New Edge and other CLECs have developed a process

for allocating the initial orders of splitters. BellSouth will install all splitters ordered on or before 3PM CST, April 28, 2000, in accordance with the schedule set forth in Attachment 1 of this Agreement. Once all splitters ordered by all CLECs on or before April 28, 2000, have been installed, BellSouth will install splitters within forty-two (42) calendar days of New Edge's submission of such order to the BellSouth Complex Resale Support Group; provided, however, that in the event BellSouth did not have reasonable notice that a particular central office was to have a splitter installed therein, the forty-two (42) day interval shall not apply. Collocation itself or an application for collocation will serve as reasonable notice. BellSouth and New Edge will reevaluate this forty-two-(42) day interval on or before August 1, 2000.

- 2.2 After June 6, 2000, once a splitter is installed on behalf of New Edge in a central office, New Edge shall be entitled to order the HUNE on lines served out of that central office.
- 2.3 BellSouth will select, purchase, install, and maintain a central office POTS splitter and provide New Edge access to data ports on the splitter. In the event that BellSouth elects to use a brand of splitter other than Siecor, the Parties shall renegotiate the recurring and non-recurring rates associated with the splitter. In the event the Parties cannot agree upon such rates, the then current rates (final or interim) for the Siecor splitter shall be the interim rates for the new splitter. BellSouth will provide New Edge with a carrier notification letter at least 30 days before of such change and shall work collaboratively with New Edge to select a mutually agreeable brand of splitter for use by BellSouth. New Edge shall thereafter purchase ports on the splitter as set forth more fully below.
- 2.4 BellSouth will install the splitter in (i) a common area close to the New Edge collocation area, if possible; or (ii) in a BellSouth relay rack as close to the New Edge DSO termination point as possible. For purposes of this section, a common area is defined as an area in the central office in which both Parties have access to a common test access point. BellSouth will cross-connect the splitter data ports to a specified New Edge DSO at such time that a New Edge end user's service is established.
- 2.5 The HUNE shall only be available on loops on which BellSouth is also providing, and continues to provide, analog voice service. In the event the end-user terminates its BellSouth provided voice service for any reason, and New Edge desires to continue providing xDSL service on such loop, New Edge shall be required to purchase the full stand-alone loop unbundled network element.

In the event BellSouth disconnects the end-user's voice service pursuant to its tariffs or applicable law, and New Edge desires to continue providing xDSL service on such loop, New Edge shall be required to purchase the full stand-alone loop unbundled network element.

- 2.6 New Edge and BellSouth shall continue to work together collaboratively to develop systems and processes for provisioning the HUNE in various real life scenarios. BellSouth and New Edge agree that New Edge is entitled to purchase the HUNE on a loop that is provisioned over fiber fed digital loop carrier. BellSouth will provide New Edge with access to feeder subloops at UNE prices. BellSouth and New Edge will work together to establish methods and procedures for providing New Edge access to the HUNE over fiber fed digital loop carriers by August-1, 2000.
- 2.7 Only one competitive local exchange carrier shall be permitted access to the HUNE of any particular loop.
- 2.8 To order HUNE on a particular loop, New Edge must have a DSLAM collocated in the central office that serves the end-user of such loop. BellSouth will work collaboratively with New Edge to create a concurrent process that allows Covad to order splitters in central offices where Covad is in the process of obtaining collocation space and enables BellSouth to install such splitters before the end of Covad's collocation provisioning interval. While that process is being developed, New Edge may order splitters in a central office once it has installed its Digital Subscriber Line Access Multiplexer ("DSLAM") in that central office. BellSouth will install these splitters within the interval provided in paragraph 2.1.
- 2.9 BellSouth will devise a splitter order form that allows New Edge to order splitter ports in increments of 24 or 96 ports.
- 2.10 BellSouth will provide New Edge the Local Service Request ("LSR") format to be used when ordering the HUNE.
- 2.11 BellSouth will initially provide access to the HUNE within the following intervals: Beginning on June 6, 2000, BellSouth will return a Firm Order Confirmation ("FOC") in no more than two (2) business days. BellSouth will provide New Edge with access to the HUNE as follows:
 - 2.11.1 For 1-5 lines at the same address within three (3) business days from the receipt of New Edge's LSR;

6-10 lines at same address within 5 business days; and more than 10 lines at the same address is to be negotiated. BellSouth and New Edge will re-evaluate these intervals on or before August 1, 2000.

- 2.12 New Edge will initially use BellSouth's existing pre-qualification functionality and order processes to pre-qualify line and order the HUNE. New Edge and BellSouth will continue to work together to modify these functionalities and processes to better support provisioning the HUNE. BellSouth will use its best efforts to make available to New Edge, by the fourth quarter of 2000, an electronic pre-ordering, ordering, provisioning, repair and maintenance and billing functionalities for the HUNE.

MAINTENANCE AND REPAIR

- 3.0 New Edge shall have access, for test, repair, and maintenance purposes, to any loop as to which it has access to the HUNE. New Edge may access the loop at the point where the combined voice and data signal exits the central office splitter.
- 3.1 BellSouth will be responsible for repairing voice services and the physical line between the network interface device at the customer premise and the Meet Point of demarcation in the central office. New Edge will be responsible for repairing data services. Each Party will be responsible for maintaining its own equipment.
- 3.2 If the problem encountered appears to impact primarily the xDSL service, the end user should call New Edge. If the problem impacts primarily the voice service, the end user should call BellSouth. If both services are impaired, the recipient of the call should coordinate with the other service provider(s).
- 3.3 BellSouth and New Edge will work together to diagnose and resolve any troubles reported by the end-user and to develop a process for repair of lines as to which New Edge has access to the HUNE. The Parties will continue to work together to address customer initiated repair requests and other customer impacting maintenance issues to better support unbundling of HUNE.
- 3.3.1 The Parties will be responsible for testing and isolating troubles on its respective portion of the loop. Once a Party ("Reporting Party") has isolated a trouble to the other

Party's ("Repairing Party") portion of the loop, the Reporting Party will notify the Repairing Party that the trouble is on the Repairing Party's portion of the loop. The Repairing Party will take the actions necessary to repair the loop if it determines a trouble exists in its portion of the loop.

3.3.2 If a trouble is reported on either Party's portion of the loop and no trouble actually exists, the Repairing Party may charge the Reporting Party for any dispatching and testing (both inside and outside the central office) required by the Repairing Party in order to confirm the loop's working status.

3.4 In the event New Edge's deployment of xDSL on the HUNE significantly degrades the performance of other advanced services or of BellSouth's voice service on the same loop, BellSouth shall notify New Edge and allow twenty-four (24) hours to cure the trouble. If New Edge fails to resolve the trouble, BellSouth may discontinue New Edge's access to the HUNE on such loop.

PRICING

4.0 BellSouth and New Edge agree to the following negotiated, interim rates for the HUNE. All interim prices will be subject to true up based on either mutually agreed to permanent pricing or permanent pricing established in a line sharing cost proceeding conducted by state public utility commissions. In the event interim prices are established by state public utility commissions before permanent prices are established, either through arbitration or some other mechanism, the interim prices established in this Agreement will be changed to reflect the interim prices mandated by the state public utility commissions; however, no true up will be performed until mutually agreed to permanent prices are established or permanent prices are established by state public utility commissions. Once a docket in a particular state in BellSouth's region has been opened to determine permanent prices for the HUNE, BellSouth will provide cost studies for that state for the HUNE upon New Edge's written request, within 30 days or such other date as may be ordered by a state commission. All cost related information shall be provided pursuant to a proprietary, non-disclosure agreement.

4.1 BellSouth and New Edge enter into this Agreement without waiving current or future relevant legal rights and without prejudicing any position BellSouth or New Edge may take on relevant issues before state or federal regulatory or legislative bodies or courts of competent jurisdiction. This clause specifically contemplates but is not limited to: (a) the positions BellSouth or New Edge may take in any cost docket related to the terms and

conditions associated with access to the HUNE; and (b) the positions that BellSouth or New Edge might take before the FCC or any state public utility commission related to the terms and conditions under which BellSouth must provide New Edge with access to the HUNE. The interim rates set forth herein were adopted as a result of a compromise between the parties and do not reflect either party's position as to final rates for access to the HUNE.

DESCRIPTION	USOC	RATES BY STATE								
		AL	FL	GA	KY	LA	MS	NC	SC	TN
SYSTEM, SPLITTER - 96 LINE CAPACITY	ULSDA									
Monthly recurring		\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100
Non Recurring - 1st		\$300	\$150	\$300	\$300	\$300	\$300	\$300	\$300	\$300
Non Recurring - Add'l.		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Non Recurring - Disconnect Only		NA	\$150	NA	NA	NA	NA	NA	NA	NA
SYSTEM, SPLITTER - 24 LINE CAPACITY	ULSDB									
Monthly recurring		\$25	\$25	\$25	\$25	\$25	\$25	\$25	\$25	\$25
Non Recurring		\$300	\$150	\$300	\$300	\$300	\$300	\$300	\$300	\$300
Non Recurring - Add'l.		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Non Recurring - Disconnect Only		NA	\$150	NA	NA	NA	NA	NA	NA	NA
LOOP CAPACITY, LINE ACTIVATION - PER OCCURRENCE	ULSDC									
Monthly recurring		\$6.00	\$6.00	\$6.00	\$6.00	\$6.00	\$6.00	\$6.00	\$6.00	\$6.00
Non Recurring - 1st		\$40	\$40	\$40	\$40	\$40	\$40	\$40	\$40	\$40
Non Recurring - Add'l.		\$22	\$22	\$22	\$22	\$22	\$22	\$22	\$22	\$22
SUBSEQUENT ACTIVITY - PER OCCURRENCE -	ULSDS									
Non Recurring - 1st		\$30	\$30	\$30	\$30	\$30	\$30	\$30	\$30	\$30
Non Recurring - Add'l.		\$15	\$15	\$15	\$15	\$15	\$15	\$15	\$15	\$15

4.2 Any element necessary for interconnection that is not identified above is priced as currently set forth in the Agreement.

5.0 BellSouth shall make available to New Edge any agreement for the HUNE entered into between BellSouth and any other CLEC. If New Edge elects to adopt such agreement, New Edge shall adopt all rates, terms and conditions relating to the HUNE in such agreement.

6.0 In the event of a conflict between the terms of this Amendment and the terms of the Interconnection Agreement, the terms of this Amendment shall prevail.

7.0 All of the other provisions of the Agreement shall remain in full force and effect.

8.0 Either or both of the Parties is authorized to submit this Amendment to the respective state regulatory authorities for approval subject to Section 252(e) of the Federal Telecommunications Act of 1996.

IN WITNESS WHEREOF, the Parties hereto have caused this Amendment to be executed by their respective duly authorized representatives on the date indicated below.

New Edge Network, Inc.

BellSouth Telecommunications, Inc.

d/b/a New Edge Networks

By: Signature On Original

By: Signature On Original

Name: Robert Y. McMillin

Name: Jerry Hendrix

Title: Senior Director - Interconnection

Title: Senior Director

Date: 04/27/00

Date: 04/28/00

ATTACHMENT 1

CLEC/BellSouth Line Sharing Jointly Developed

Rules for Splitter Allocation

BellSouth is unable to obtain a sufficient number of splitters for placement in all central offices requested by competitive local exchange carriers ("CLECs") by June 6, 2000. As a result of the current shortage of splitters, CLECs and BellSouth developed the following rules for splitter allocation. These rules shall apply until such time as those CLECs participating in the creation of the rules agree that the regular splitter installation rules should apply.

1. There shall be a single CLEC priority list of central offices that shall consist of the Georgia CLEC priority list combined with the priority list from the other states in BellSouth's nine-state region (the "Priority List"). This priority list shall be used for filling orders; it shall determine the order in which splitters will be deployed in those central offices for which splitters have been ordered. Georgia central offices (CO) will have priority over other state's COs.
2. During the allocation period, a CLEC may order 24 ports or 96 ports. In either event, BellSouth shall install a 96 port splitter in accordance with the Priority List. However, during the allocation period, in the event a CLEC orders 96 ports, BellSouth will only allocate 24 ports of the 96 port splitter to the first CLEC that orders a splitter for that central office, thus creating a backlog of 72 ports that have already been ordered by that CLEC ("Backlog"). In the event of a Backlog, BellSouth will charge CLEC a monthly recurring charge appropriate for the number of ports allocated to CLEC. In addition, if CLEC requested a 96 port splitter, it shall pay a non-recurring charge for a 96 port splitter, but shall pay no non-recurring charges when additional ports are added to alleviate the Backlog.
3. BellSouth will allocate, on a first-come/first-served basis, the remaining 72 ports of the splitter (in blocks of 24 ports) to the other CLECs that place an order for a splitter at that same central office.

Orders Submitted by Three (3) P.M. EST, April 28, 2000 with Due Date of June 6, 2000 or Sooner

4. A firm order for a splitter issued to the BellSouth Complex Resale Support Group (CRSG) on or by Three (3) P.M. EST, April 28, 2000, with due date

of June 6, 2000, or sooner, will be given priority over orders received after three (3) P.M. EST, April 28, 2000. Orders for the first 200 splitters received prior to April 28, 2000, will be installed on or before June 5, 2000, and shall be installed in accordance with the priority list. The first 25 splitter orders shall be installed no later than May 22, 2000.

5. In the event CLECs submit to BellSouth more than 200 splitter orders on or before three (3) P.M. EST, April 28, 2000, BellSouth shall install fifty (50) splitters a week each week after June 5, 2000.
6. In the event there are more than four (4) orders submitted on or April 28, 2000, for a splitter at a particular central office, a second splitter will be installed at that central office in accordance with the Priority List.
7. Backlogs associated with orders submitted on or before April 28, 2000 will be fulfilled in their entirety before any orders received after April 28, 2000 are worked. In fulfilling a Backlog, the CLEC's additional ports may not be on the same shelf as the initial 24 ports.

Orders Received after Three (3) P.M. EST, April 28, 2000

8. Irrespective of the Priority List, no orders received after three (3) P.M. EST, April 28, 2000, will be worked until after all orders received on or before three (3) P.M. EST, April 28, 2000 have been completed.
9. Once all orders received on or before April 28, 2000 have been worked in their entirety, orders received after April 28, 2000 will have a minimum interval of forty-two (42) calendar days from date of receipt.

Orders Submitted with Due Dates After June 6, 2000

10. Any order submitted on or before April 28, 2000, with a due date of after June 6, 2000, will be completed according to the due date provided there is available inventory and all orders with a due date of June 6, 2000 or earlier have been completed.

Georgia Rating/Ranking of Central Offices for Linesharing

March 9, 2000

Covad, Rythms, Northpoint, New Edge

CLLI Combined Ranking

MRTTGAMA	1
RSWLGAMA	2
ATLNGABU	3
ATLNGAPP	4
DLTHGAHS	5
ATLNGASS	6
CHMBGAMA	7
AGSTGAU	8
LRVLGAOS	9
MRTTGAEA	10
SMYRGAMA	11
LLBNGAMA	12
WDSTGACR	13
ATHNGAMA	14
AGSTGAFL	15
AGSTGATH	16
JNBOGAMA	17
NRCRGAMA	18
ATLNGATH	19
ALPRGAMA	20
DNWDGAMA	21
CMNGGAMA	22
AGSTGAMT	23
ALBYGAMA	24
GSVLGAMA	25
SNLVGAMA	26
ATLNGAIC	27
ATLNGAEP	28
TUKRGAMA	29
ROMGATL	30
VLD SGAMA	31
MACNGAMT	32
ASTLGAMA	33
SMYRGAPF	34
DGVLGAMA	35
ATLNGAEL	36
SNMTGALR	37
CNYRGAMA	38
MACNGAVN	39
WRRBGAMA	40
NWNNGAMA	41
ATLNGAWD	42

GRFNGAMA	43
PANLGAMA	44
BUFRGABH	45
ATLNGACD	46
MACNGAGP	47
SVNHGABS	48
ATLNGACS	49
PTCYGAMA	50
RVDLGAMA	51
STBRGANH	52
MCDNGAGS	53
ATLNGAWE	54
SVNHGADE	55
SVNHGAWB	56
ATLNGAGR	57
ATLNGAAD	58
CRVLGAMA	59
ACWOGAMA	60
ATLNGABH	61
FYVLGASG	62
SVNHGAGC	63
SVNHGAWI	64
ATLNGAFP	65
ATLNGAHR	66
PWSPGAAS	67
CRTNGAMA	68
ATLNGALA	69
MRRWGAMA	70
CLMBGAMT	71
CLMBGAMW	72
LTHNGAJS	73
CVTNGAMT	74
DLLSGAES	75
FRBNGAEB	76
CLMBGABV	77
BRWKGAMA	78
ATLNGAQS	79
CNTNGAXB	80
LGVLGACS	81
SSISGAES	81

BellSouth Central Offices (All states excluding GA)

Ref. #	CLLI	State	Combined CLEC Rank
312	PRRNFLMA	FL	1
1330	MMPHTNBA	TN	2
1362	NSVLTNMT	TN	3
202	GSVLFLNW	FL	4
1	ALBSALMA	AL	5
13	BRHMALCH	AL	6
268	MLBRFLMA	FL	7
1337	MMPHTNMA	TN	8
285	ORLDFLAP	FL	9
1335	MMPHTNGT	TN	10
208	HLWDFLPE	FL	11
289	ORLDFLPH	FL	12
1333	MMPHTNEL	TN	13
324	STRNFLMA	FL	14
14	BRHMALCP	AL	15
15	BRHMALEL	AL	16
1141	CLMASCSN	SC	17
1240	CHTGTNNS	TN	18
1339	MMPHTNOA	TN	19
1073	RLGHNCSE	NC	20
299	PMBHFLCS	FL	21
698	NWORLASW	LA	22
1354	NSVLTNBW	TN	23
1309	KNVLTNMA	TN	24
16	BRHMALEN	AL	25
17	BRHMALEW	AL	26
1345	MRBOTNMA	TN	27
1364	NSVLTNUN	TN	28
623	KNNRLABR	LA	29
984	CARYNCCE	NC	30
333	WPBHFLGA	FL	31
1356	NSVLTNCH	TN	32
1363	NSVLTNST	TN	33
429	LSVLKYAP	KY	34
20	BRHMALHW	AL	35
21	BRHMALMT	AL	36
638	LFYTLAMA	LA	37
1306	KNTNTNMA	TN	38
693	NWORLAMT	LA	39
149	BCRTFLMA	FL	40
150	BCRTFLSA	FL	41
1340	MMPHTNSL	TN	42
1338	MMPHTNMT	TN	43
307	PNSCFLFP	FL	44
22	BRHMALOM	AL	45
23	BRHMALOX	AL	46
176	DYBHFLMA	FL	47

1352	NSVLTNAP	TN	48
1332	MMPHTNCT	TN	49
334	WPBHFLGR	FL	50
249	MIAMFLCA	FL	51
732	SLIDLAMA	LA	52
1307	KNVLTNBE	TN	53
64	MTGMALDA	AL	54
24	BRHMALRC	AL	55
26	BRHMALVA	AL	56
196	FTPRFLMA	FL	57
1272	FKLNTNMA	TN	58
695	NWORLARV	LA	59
1019	GNBONCAS	NC	60
1068	RLGHNCGL	NC	61
692	NWORLAMR	LA	62
1310	KNVLTNWH	TN	63
179	DYBHFLPO	FL	64
34	BSMRALMA	AL	65
148	BCRTFLBT	FL	66
233	JPTRFLMA	FL	67
1357	NSVLTNDO	TN	68
697	NWORLASK	LA	69
189	FTLDFLJA	FL	70
262	MIAMFLRR	FL	71
288	ORLDFLPC	FL	72
1361	NSVLTNMC	TN	73
667	MONRLAMA	LA	74
664	MNFDLAMA	LA	75
157	BYBHFLMA	FL	76
170	DLBHFLKP	FL	77
554	BTRGLAGW	LA	78
1237	CHTGTNDT	TN	79
232	JCVLFLWC	FL	80
253	MIAMFLHL	FL	81
988	CHRLNCCE	NC	82
431	LSVLKYBR	KY	83
1353	NSVLTNBV	TN	84
1158	FLRNSCMA	SC	85
171	DLBHFLMA	FL	86
174	DRBHFLMA	FL	87
1323	MAVLTNMA	TN	88
1358	NSVLTNGH	TN	89
230	JCVLFLSJ	FL	90
301	PMBHFLMA	FL	91
265	MIAMFLWD	FL	92
287	ORLDFLMA	FL	93
1366	NSVLTNWM	TN	94
164	COCOFLMA	FL	95
187	FTLDFLCR	FL	96
188	FTLDFLCY	FL	97
330	VRBHFLMA	FL	98
1280	GDVLTNMA	TN	99

696	NWORLASC	LA	100
264	MIAMFLSO	FL	101
989	CHRLNCCR	NC	102
683	NWORLAAR	LA	103
1311	KNVLTNYH	TN	104
557	BTRGLAMA	LA	105
190	FTLDFLMR	FL	106
191	FTLDFLOA	FL	107
1250	CLVLTNMA	TN	108
987	CHRLNCCA	NC	109
430	LSVLKYBE	KY	110
338	WPBHFLRP	FL	111
271	MNDRFLLO	FL	112
229	JCVLFLRV	FL	113
1020	GNBONCEU	NC	114
306	PNSCFLBL	FL	115
192	FTLDLPL	FL	116
194	FTLDFLSU	FL	117
1236	CHTGTNBR	TN	118
986	CHRLNCBO	NC	119
687	NWORLACM	LA	120
1004	CPHLNCRO	NC	121
209	HLWDFLWH	FL	122
1341	MMPHTNST	TN	123
996	CHRLNCSH	NC	124
848	JCSNMSCP	MS	125
195	FTLDLWLN	FL	126
206	HLWDFLHA	FL	127
969	AHVLNCOH	NC	128
995	CHRLNCRE	NC	129
227	JCVLFLNO	FL	130
442	LSVLKYWE	KY	131
1069	RLGHNCHO	NC	132
436	LSVLKYOA	KY	133
992	CHRLNCLP	NC	134
356	BWLGKYMA	KY	135
207	HLWDFLMA	FL	136
218	JCBHFLMA	FL	137
305	PNCYFLMA	FL	138
1022	GNBONCLA	NC	139
220	JCVLFLAR	FL	140
335	WPBHFLHH	FL	141
319	SNFRFLMA	FL	142
439	LSVLKYSM	KY	143
222	JCVLFLCL	FL	144
90	TSCALMT	AL	145
221	JCVLFLBW	FL	146
223	JCVLFLFC	FL	147
1247	CLEVTNMA	TN	148
201	GSVLFLMA	FL	149
691	NWORLAMC	LA	150
300	PMBHFLFE	FL	151

293	OVIDFLCA	FL	152
594	FKTNLAMA	LA	153
231	JCVLFLSM	FL	154
66	MTGMALMT	AL	155
243	MIAMFLAE	FL	156
245	MIAMFLAP	FL	157
99	DCTRALMT	AL	158
217	JCBHFLAB	FL	159
286	ORLDFLCL	FL	160
1102	WNSLNCVI	NC	161
428	LSVLKYAN	KY	162
981	BURLNCDA	NC	163
59	MOBLALSH	AL	164
314	PTSLFLMA	FL	165
246	MIAMFLBA	FL	166
248	MIAMFLBR	FL	167
123	HNVIAMLT	AL	168
19	BRHMALFS	AL	169
690	NWORLAMA	LA	170
1287	HDVLTNMA	TN	171
290	ORLDFLSA	FL	172
1028	GSTANCISO	NC	173
52	MOBLALAZ	AL	174
1211	SUVLSCMA	SC	175
251	MIAMFLFL	FL	176
252	MIAMFLGR	FL	177
1131	CHTNSCWA	SC	178
54	MOBLALOS	AL	179
75	PNSNALMA	AL	180
1058	MTOLNCCE	NC	181
1070	RLGHNCJO	NC	182
1099	WNSLNCFI	NC	183
124	HNVIAPW	AL	184
472	OWBOKYMA	KY	185
254	MIAMFLIC	FL	186
1125	CHTNSCDP	SC	187
255	MIAMFLKE	FL	188
1140	CLMASCSH	SC	189
441	LSVLKYVS	KY	190
311	PNVDFLMA	FL	191
277	NDADFLBR	FL	192
1312	LBNNTNMA	TN	193
1166	GNVLSCDT	SC	194
281	NSBHFLMA	FL	195
256	MIAMFLME	FL	196
257	MIAMFLNM	FL	197
558	BTRGLAOH	LA	198
1126	CHTNSCDT	SC	199
33	BSMRALHT	AL	200
337	WPBHFLRB	FL	201
291	ORPKFLMA	FL	202
997	CHRLNCTH	NC	203

1169	GNVLSWWR	SC	204
327	TTVLFLMA	FL	205
260	MIAMFLPB	FL	206
261	MIAMFLPL	FL	207
849	JCSNMSMB	MS	208
1188	MNPLSCES	SC	209
577	CVTNLAMA	LA	210
279	NDADFLOL	FL	211
998	CHRLNCUN	NC	212
1071	RLGHNCMO	NC	213
1130	CHTNSCNO	SC	214
310	PNSCFLWA	FL	215
276	NDADFLAC	FL	216
266	MIAMFLWM	FL	217
177	DYBHFLOB	FL	218
1138	CLMASCOSA	SC	219
686	NWORLACA	LA	220
1067	RLGHNCGA	NC	221
336	WPBHFLLE	FL	222
624	KNNRLAHN	LA	223
1207	SPBGSCMA	SC	224
1080	SLBRNCMA	NC	225
278	NDADFLGG	FL	226
302	PMBHFLTA	FL	227
1143	CLMASCOSW	SC	228
440	LSVLKYTS	KY	229
1257	CRHTNMA	TN	230
28	BRHMALWL	AL	231
435	LSVLKYJT	KY	232
639	LFYTLAVM	LA	233
332	WPBHFLAN	FL	234
1369	OKRGTNMT	TN	235
126	HNVIALUN	AL	236
438	LSVLKYSL	KY	237
483	PMBRKYMA	KY	238
292	ORPKFLRW	FL	239
559	BTRGLASB	LA	240
729	SHPTLAMA	LA	241
433	LSVLKYFC	KY	242
432	LSVLKYCW	KY	243
1300	JCSNTNMA	TN	244
561	BTRGLAWN	LA	245
1101	WNSLNCLE	NC	246
1277	GALLTNMA	TN	247
556	BTRGLAIS	LA	248
726	SHPTLABS	LA	249
689	NWORLALK	LA	250
1254	CNVLTNMA	TN	251
642	LKCHLADT	LA	252
727	SHPTLAEL	LA	253
1388	SMYRTNMA	TN	254
1262	OKSNTNMT	TN	255

728	SHPTLAHD	LA	256
1031	HNVLNCCH	NC	257
971	APEXNCCE	NC	258
990	CHRLNCDE	NC	259
1346	MRTWTNMA	TN	260
852	JCSNMSRW	MS	261
1394	SPFDTNMA	TN	262
665	MNVLLAMA	LA	263
1023	GNBONCMC	NC	264
1106	AIKNSCMA	SC	265
991	CHRLNCER	NC	266
1072	RLGHNCSE	NC	267
645	LKCHLAUN	LA	268
1045	LNTNNCMA	NC	269
263	MIAMFLSH	FL	270
1017	GLBONCMA	NC	271
1308	KNVLTNFC	TN	272
1135	CLMASCCH	SC	273
1100	WNSLNCGL	NC	274
824	GLPTMSTS	MS	275
258	MIAMFLNS	FL	276
67	MTGMALNO	AL	277
259	MIAMFLOL	FL	278
1398	SVVLTNMT	TN	279
993	CHRLNCMI	NC	280
1085	SSVLNCMA	NC	281
982	BURLNCEL	NC	282
731	SHPTLASG	LA	283
1024	GNBONCPG	NC	284
74	PHCYALMA	AL	285
244	MIAMFLAL	FL	286
296	PCBHLNT	FL	287
1037	KNDLNCCE	NC	288
165	COCOFLME	FL	289
434	LSVLKYHA	KY	290
838	HTBGMSMA	MS	291
1078	SELMNCMA	NC	292
60	MOBLALSK	AL	293
1009	DVSNNCPO	NC	294
582	DNSPLAMA	LA	295
1098	WNSLNCCL	NC	296
10	AUBNALMA	AL	297
1083	SFRDNCCE	NC	298
399	FRFTKYMA	KY	299
247	MIAMFLBC	FL	300
1248	CLMATNMA	TN	301
1018	GNBONCAP	NC	302
1136	CLMASCDF	SC	303
1105	ZBLNCCCE	NC	304
321	STAGFLMA	FL	305
1096	WNDLNCPI	NC	306
846	JCSNMSBL	MS	307

11	BLFNALMA	AL	308
427	LSVLKY26	KY	309
193	FTLDFLSG	FL	310
1242	CHTGTNRO	TN	311
212	HMSTFLNA	FL	312
159	CCBHFLMA	FL	313
985	CARYNCWS	NC	314
560	BTRGLASW	LA	315
295	PAHKFLMA	FL	316
1133	CLMASCAR	SC	317
250	MIAMFLDB	FL	318
122	HNVIALLW	AL	319
1066	RLGHNCDU	NC	320
1142	CLMASCUS	SC	321
210	HMSTFLEA	FL	322
154	BLGLFLMA	FL	323
1258	CRVLTNMA	TN	324
851	JCSNMSPC	MS	325
1241	CHTGTNRB	TN	326
1053	MGTNNCGR	NC	327
89	TSCALDH	AL	328
ADD	HNVIALRA	AL	329
730	SHPTLAQB	LA	330
978	BOONNCKI	NC	331
839	HTBGMSWE	MS	332
8	ATHNALMA	AL	333
610	HMNDLAMA	LA	334
874	MDSNMSES	MS	335
71	OPLKALMT	AL	336
769	BILXMSED	MS	337
269	MLTNFLRA	FL	338
1301	JCSNTNNS	TN	339
55	MOBLALPR	AL	340
552	BTRGLABK	LA	341
847	JCSNMSCB	MS	342
437	LSVLKYSH	KY	343
1129	CHTNSCLB	SC	344
492	RCMDKYMA	KY	345
411	HNSNKYMA	KY	346
1040	LENRNCHA	NC	347
1190	NAGSSCMA	SC	348
77	PRVLALMA	AL	349
213	HTISFLMA	FL	350
972	ARDNNCCE	NC	351
200	GLBRFLMC	FL	352
823	GLPTMSLY	MS	353
315	PTSLFLSO	FL	354
51	MOBLALAP	AL	355
1127	CHTNESCJM	SC	356
893	OCSPMSGO	MS	357
91	TSCALNO	AL	358
317	SBSTFLMA	FL	359

527	WNCHKYMA	KY	360
58	MOBLALSF	AL	361
1239	CHTGTNMV	TN	362
1016	GLBONCAD	NC	363
770	BILXMSMA	MS	364
1400	TLLHTNMA	TN	365
109	FRHPALMA	AL	366
1368	NWPTTNMT	TN	367
56	MOBLALSA	AL	368
666	MONRLADS	LA	369
668	MONRLAWM	LA	370
57	MOBLALSE	AL	371
404	GRTWKYMA	KY	372
970	AHVLNCOT	NC	373
1385	SHVLTNMA	TN	374
780	BRNDMSES	MS	375
1414	WNCHTNMA	TN	376
1347	MSCTTNMT	TN	377
1315	LNCYTNMA	TN	378
240	LYHNFLOH	FL	379
1374	PLSKTNMA	TN	380
1317	LRBGTNMA	TN	381
555	BTRGLAHR	LA	382
294	PACEFLPV	FL	383
850	JCSNMSNR	MS	384
1243	CHTGTNSE	TN	385
204	HBSDFLMA	FL	386
1319	LXTNTNMA	TN	387
1343	MNCHTNMA	TN	388
1249	CLTNTNMA	TN	389
322	STAGFLSH	FL	390
1041	LENRNCHU	NC	391
308	PNSCFLHC	FL	392
1285	GTBGTNMT	TN	393
968	AHVLNCBI	NC	394
1238	CHTGTNHT	TN	395
304	PNCYFLCA	FL	396

EXHIBIT TGW – 13

**Amendment to the Interconnection Agreements Between
BlueStar Networks, Inc. and BellSouth**

**AMENDMENT TO THE
INTERCONNECTION AGREEMENTS BETWEEN
BLUESTAR NETWORKS, INC. AND
BELLSOUTH TELECOMMUNICATIONS, INC.**

THIS AMENDMENT ("Amendment") is made by and between BellSouth Telecommunications, Inc. ("BellSouth") and BlueStar Networks, Inc. ("BlueStar"), as of the 7th day of June 2000. (BellSouth and BlueStar are collectively referred to as the "Parties".)

WHEREAS, the Parties executed an Interconnection Agreement on December 7, 1999 (Alabama, Louisiana, Mississippi, and South Carolina), (collectively, the "Agreement"); and

WHEREAS, the Parties desire to amend the Agreement to set forth the terms and conditions relating to BellSouth providing to BlueStar unbundled access to the high frequency spectrum of BellSouth's local loops as a network element.

NOW, THEREFORE, for and in consideration of the promises contained herein, the parties to this Amendment, intending to be legally bound, hereby agree as follows:

1.0 Attachment 2 of the Agreement shall be amended by adding the following Section 12:

12.0 HIGH FREQUENCY SPECTRUM NETWORK ELEMENT

12.1 GENERAL

BellSouth shall provide BlueStar access to the high frequency portion of the local loop as an unbundled network element ("High Frequency Spectrum") High Frequency Spectrum at the rates set forth in Section 4 herein. BellSouth shall provide BlueStar with the High Frequency Spectrum irrespective of whether BellSouth chooses to offer xDSL services on the loop.

12.1.1 The High Frequency Spectrum is defined as the frequency range above the voiceband on a copper loop facility carrying analog circuit-switched voiceband transmissions. Access to the High Frequency Spectrum is intended to allow BlueStar the ability to provide Digital Subscriber Line ("xDSL") data services. The High Frequency Spectrum shall be available for any version of xDSL presumed acceptable for deployment pursuant to 47 C.F.R. Section 51.230, including, but not limited to, ADSL, RADSL, and any other xDSL technology that is presumed to be acceptable for deployment pursuant to FCC rules. BellSouth will continue to have access to the low frequency portion of the loop spectrum (from 300 Hertz to at least 3000 Hertz, and potentially up to 3400 Hertz, depending on equipment and facilities) for the purposes of providing voice service. BlueStar shall only use xDSL technology that is within the PSD mask parameters set forth in T1.413 or other

applicable industry standards. BlueStar shall provision xDSL service on the High Frequency Spectrum in accordance with the applicable Technical Specifications and Standards.

12.1.2 The following loop requirements are necessary for BlueStar to be able to access the High Frequency Spectrum: an unconditioned, 2-wire copper loop. An unconditioned loop is a copper loop with no load coils, low-pass filters, range extenders, DAMLs, or similar devices and minimal bridged taps consistent with ANSI T1.413 and T1.601. The process of removing such devices is called "conditioning." BellSouth shall charge and BlueStar shall pay as interim rates, the same rates that BellSouth charges for conditioning stand-alone loops (e.g., unbundled copper loops, ADSL loops, and HDSL loops) until permanent pricing for loop conditioning is established either by mutual agreement or by a state public utility commission. The interim costs for conditioning are subject to true up as provided in paragraph 4.0. BellSouth will condition loops to enable BlueStar to provide xDSL-based services on the same loops the incumbent is providing analog voice service, regardless of loop length. BellSouth is not required to condition a loop for shared-line xDSL if conditioning of that loop significantly degrades BellSouth's voice service. BellSouth shall charge, and BlueStar shall pay, for such conditioning the same rates BellSouth charges for conditioning stand-alone loops (e.g., unbundled copper loops, ADSL loops, and HDSL loops.) If BlueStar requests that BellSouth condition a loop longer than 18,000 ft. and such conditioning significantly degrades the voice services on the loop, BlueStar shall pay for the loop to be restored to its original state.

12.1.3 BlueStar's meet point is the point of termination for BlueStar on the toll main distributing frame in the central office ("Meet Point"). BellSouth will use jumpers to connect BlueStar's connecting block to the splitter. The splitter will route the High Frequency Spectrum on the circuit to BlueStar's xDSL equipment in the BlueStar's collocation space.

12.1.4 BlueStar shall have access to the Splitter for test purposes, irrespective of where the Splitter is placed in the BellSouth premises.

12.2 PROVISIONING OF HIGH FREQUENCY SPECTRUM AND SPLITTER SPACE

12.2.1 BellSouth will provide BlueStar with access to the High Frequency Spectrum as follows:

- 12.2.2 BellSouth is unable to obtain a sufficient number of splitters for placement in all central offices requested by competitive local exchange carriers ("CLECs") by June 6, 2000. Therefore, BellSouth, BlueStar and other CLECs have developed a process for allocating the initial orders of splitters. BellSouth will install all splitters ordered on or before April 28, 2000, in accordance with the schedule set forth in Attachment 1 of this Agreement. Once all splitters ordered by all CLECs on or before April 28, 2000, have been installed, BellSouth will install splitters within forty-two (42) calendar days of BlueStar's submission of such order to the BellSouth Complex Resale Support Group (assuming no splitter with excess capacity is currently located at the requested central office); provided, however, that in the event BellSouth did not have reasonable notice that a particular central office was to have a splitter installed therein, the forty-two (42) day interval shall not apply. Collocation itself or an application for collocation will serve as reasonable notice. BellSouth and BlueStar will reevaluate this forty-two (42) day interval on or before August 1, 2000. In the event that BellSouth does not have a splitter available for a particular central office and BlueStar owns a splitter, BellSouth may elect to purchase such splitter from BlueStar upon rates, terms, and conditions to be agreed to by the parties.
- 12.2.3 After June 6, 2000, once a splitter is installed on behalf of BlueStar in a central office, BlueStar shall be entitled to order the High Frequency Spectrum on lines served out of that central office.
- 12.2.4 BellSouth will select, purchase, install, and maintain a central office POTS splitter and provide BlueStar access to data ports on the splitter. In the event that BellSouth elects to use a brand of splitter other than Siccors, the Parties shall renegotiate the recurring and non-recurring rates associated with the splitter. In the event the Parties cannot agree upon such rates, the then current rates (final or interim) for the Siccors splitter shall be the interim rates for the new splitter. BellSouth will provide BlueStar with a carrier notification letter at least 30 days before such change and shall work collaboratively with BlueStar to select a mutually agreeable brand of splitter for use by BellSouth. BlueStar shall thereafter purchase ports on the splitter as set forth more fully below. Anytime after July 15, 2000, BellSouth agrees to discuss with BlueStar the rates, terms and conditions to allow BlueStar to purchase its own splitters for installation in BellSouth's central offices.
- 12.2.5 BellSouth will install the splitter in (i) a common area close to the BlueStar collocation area, if possible; or (ii) in a BellSouth relay rack as close to the BlueStar DSO termination point as possible.

For purposes of this section, a common area is defined as an area in the central office in which both Parties have access to a common test access point. BellSouth will cross-connect the splitter data ports to a specified BlueStar DS0 at such time that a BlueStar end user's service is established.

- 12.2.6 The High Frequency Spectrum shall only be available on loops on which BellSouth is also providing, and continues to provide, analog voice service. In the event the end-user terminates its BellSouth provided voice service for any reason, and BlueStar desires to continue providing xDSL service on such loop, BlueStar shall be permitted to continue using the line by purchasing the full stand-alone loop unbundled network element. In the event BellSouth disconnects the end-user's voice service pursuant to its tariffs or applicable law, and BlueStar desires to continue providing xDSL service on such loop, BlueStar shall be permitted to continue using the line by purchasing the full stand-alone loop unbundled network element.
- 12.2.7 BlueStar and BellSouth shall continue to work together collaboratively to develop systems and processes for provisioning the High Frequency Spectrum in various real life scenarios. BellSouth and BlueStar agree that BlueStar is entitled to purchase the High Frequency Spectrum on a loop that is provisioned over fiber fed digital loop carrier. BellSouth will provide BlueStar with access to feeder subloops at UNE prices. BellSouth and BlueStar will work together to establish methods and procedures for providing BlueStar access to the High Frequency Spectrum over fiber fed digital loop carriers by August 1, 2000.
- 12.2.8 Only one competitive local exchange carrier shall be permitted access to the High Frequency Spectrum of any particular loop.
- 12.2.9 To order High Frequency Spectrum on a particular loop, BlueStar must have a DSLAM collocated in the central office that serves the end-user of such loop. BellSouth will work collaboratively with BlueStar to create a concurrent process that allows BlueStar to order splitters in central offices where BlueStar is in the process of obtaining collocation space and enables BellSouth to install such splitters before the end of BlueStar's collocation provisioning interval. While that process is being developed, BlueStar may order splitters in a central office once it has installed its Digital Subscriber Line Access Multiplexer ("DSLAM") in that central office. BellSouth will install these splitters within the interval provided in paragraph 11.2.2.

- 12.2.10 BellSouth will devise a splitter order form that allows BlueStar to order splitter ports in increments of 24 or 96 ports.
- 12.2.11 BellSouth will provide BlueStar the Local Service Request ("LSR") format to be used when ordering the High Frequency Spectrum by May 15, 2000.
- 12.2.12 BellSouth will initially provide access to the High Frequency Spectrum within the following intervals: Beginning on June 6, 2000, BellSouth will return a Firm Order Confirmation ("FOC") in no more than two (2) business days. BellSouth will provide BlueStar with access to the High Frequency Spectrum as follows:
- 12.2.12.1 For 1-5 lines at the same address within three (3) business days from the receipt of BlueStar's LSR; 6-10 lines at same address within 5 business days; and more than 10 lines at the same address is to be negotiated. BellSouth and BlueStar will re-evaluate these intervals on or before August 1, 2000.
- 12.2.13 BlueStar will initially use BellSouth's existing pre-qualification functionality and order processes to pre-qualify line and order the High Frequency Spectrum. BlueStar and BellSouth will continue to work together to modify these functionalities and processes to better support provisioning the High Frequency Spectrum. BellSouth will use its best efforts to make available to BlueStar, by the fourth quarter of 2000, an electronic pre-ordering, ordering, provisioning, repair and maintenance and billing functionalities for the High Frequency Spectrum.

12.3 MAINTENANCE AND REPAIR

- 12.3.1 BlueStar shall have access, for test, repair, and maintenance purposes, to any loop as to which it has access to the High Frequency Spectrum. BlueStar may access the loop at the point where the combined voice and data signal exits the central office splitter.
- 12.3.2 BellSouth will be responsible for repairing voice services and the physical line between the network interface device at the customer premise and the Meet Point of demarcation in the central office. BlueStar will be responsible for repairing data services. Each Party will be responsible for maintaining its own equipment.

12.3.3 If the problem encountered appears to impact primarily the xDSL service, the end user should call BlueStar. If the problem impacts primarily the voice service, the end user should call BellSouth. If both services are impaired, the recipient of the call should coordinate with the other service provider(s).

12.3.4 BellSouth and BlueStar will work together to diagnose and resolve any troubles reported by the end-user and to develop a process for repair of lines as to which BlueStar has access to the High Frequency Spectrum. The Parties will continue to work together to address customer initiated repair requests and other customer impacting maintenance issues to better support unbundling of High Frequency Spectrum.

12.3.4.1 Each Party will be responsible for testing and isolating troubles on its respective portion of the loop. Once a Party ("Reporting Party") has isolated a trouble to the other Party's ("Repairing Party") portion of the loop, the Reporting Party will notify the Repairing Party that the trouble is on the Repairing Party's portion of the loop. The Repairing Party will take the actions necessary to repair the loop if it determines a trouble exists in its portion of the loop.

12.3.4.2 If a trouble is reported on either Party's portion of the loop and no trouble actually exists, the Repairing Party may charge the Reporting Party for any dispatching and testing (both inside and outside the central office) required by the Repairing Party in order to confirm the loop's working status.

12.3.5 In the event BlueStar's deployment of xDSL on the High Frequency Spectrum significantly degrades the performance of other advanced services or of BellSouth's voice service on the same loop, BellSouth shall notify BlueStar and allow twenty-four (24) hours to cure the trouble. If BlueStar fails to resolve the trouble, BellSouth may discontinue BlueStar's access to the High Frequency Spectrum on such loop.

12.4 PRICING

12.4.1 BellSouth and BlueStar agree to the following negotiated, interim rates for the High Frequency Spectrum. All interim prices will be subject to true up based on either mutually agreed to permanent pricing or permanent pricing established in a line sharing cost proceeding conducted by state public utility commissions. In the event interim prices are established by state public utility commissions before permanent prices are established, either through arbitration or some other mechanism, the interim prices established in this Agreement will be changed to reflect the interim

prices mandated by the state public utility commissions; however, no true up will be performed until mutually agreed to permanent prices are established or permanent prices are established by state public utility commissions. Once a docket in a particular state in BellSouth's region has been opened to determine permanent prices for the High Frequency Spectrum, BellSouth will provide cost studies for that state for the High Frequency Spectrum upon BlueStar's written request, within 30 days or such other date as may be ordered by a state commission. All cost related information shall be provided pursuant to a proprietary, non-disclosure agreement.

12.4.2 BellSouth and BlueStar enter into this Agreement without waiving current or future relevant legal rights and without prejudicing any position BellSouth or BlueStar may take on relevant issues before state or federal regulatory or legislative bodies or courts of competent jurisdiction. This clause specifically contemplates but is not limited to: (a) the positions BellSouth or BlueStar may take in any cost docket related to the terms and conditions associated with access to the High Frequency Spectrum; and (b) the positions that BellSouth or BlueStar might take before the FCC or any state public utility commission related to the terms and conditions under which BellSouth must provide BlueStar with access to the High Frequency Spectrum. The interim rates set forth herein were adopted as a result of a compromise between the parties and do not reflect either party's position as to final rates for access to the High Frequency Spectrum.

DESCRIPTION	USOC	AL	LA	MS	SC
SYSTEM, SPLITTER - 96 LINE CAPACITY	ULSDA				
Monthly recurring		\$100	\$100	\$100	\$100
Non Recurring - 1st		\$150	\$150	\$300	\$300
Non Recurring - Add'l.		\$0	\$0	\$0	\$0
Non Recurring - Disconnect Only		\$150	\$150	NA	NA
SYSTEM, SPLITTER - 24 LINE CAPACITY	ULSDB				
Monthly recurring		\$25	\$25	\$25	\$25
Non Recurring		\$150	\$150	\$300	\$300
Non Recurring - Add'l.		\$0	\$0	\$0	\$0
Non Recurring - Disconnect Only		\$150	\$150	NA	NA
LOOP CAPACITY, LINE ACTIVATION - PER OCCURRENCE	ULSOC				
Monthly recurring		\$8.00	\$8.00	\$8.00	\$8.00
Non Recurring - 1st		\$40	\$40	\$40	\$40
Non Recurring - Add'l.		\$22	\$22	\$22	\$22
SUBSEQUENT ACTIVITY - PER OCCURRENCE	ULSDS				
Non Recurring - 1st		\$30	\$30	\$30	\$30
Non Recurring - Add'l.		\$15	\$15	\$15	\$15

12.4.3 Any element necessary for interconnection that is not identified above is priced as currently set forth in the Agreement.

2.0 BellSouth shall make available to BlueStar any agreement for the High Frequency Spectrum entered into between BellSouth and any other CLEC. If BlueStar elects to adopt such agreement, BlueStar shall adopt all rates, terms and conditions relating to the High Frequency Spectrum in such agreement.

3.0 In the event of a conflict between the terms of this Amendment and the terms of the Interconnection Agreement, the terms of this Amendment shall prevail.

4.0 All of the other provisions of the Agreement shall remain in full force and effect.

5.0 Either or both of the Parties is authorized to submit this Amendment to the respective state regulatory authorities for approval subject to Section 252(e) of the Federal Telecommunications Act of 1996.

IN WITNESS WHEREOF, the Parties hereto have caused this Amendment to be executed by their respective duly authorized representatives on the date indicated below.

BlueStar Networks, Inc.

By: Norton Cutler
Name: Norton Cutler
Title: General Counsel
Date: June 7, 2000

BellSouth Telecommunications, Inc.

By: Jerry Hendrix
Name: Jerry Hendrix
Title: Senior Director
Date: 6/15/00

ATTACHMENT 1

CLEC/BellSouth Line Sharing Jointly Developed

Rules for Splitter Allocation

BellSouth is unable to obtain a sufficient number of splitters for placement in all central offices requested by competitive local exchange carriers ("CLECs") by June 6, 2000. As a result of the current shortage of splitters, CLECs and BellSouth developed the following rules for splitter allocation. These rules shall apply until such time as those CLECs participating in the creation of the rules agree that the regular splitter installation rules should apply.

1. There shall be a single CLEC priority list of central offices that shall consist of the Georgia CLEC priority list combined with the priority list from the other states in BellSouth's nine-state region (the "Priority List"). This priority list shall be used for filling orders; it shall determine the order in which splitters will be deployed in those central offices for which splitters have been ordered.
2. During the allocation period, a CLEC may order 24 ports or 96 ports. In either event, BellSouth shall install a 96 port splitter in accordance with the Priority List. However, during the allocation period, in the event a CLEC orders 96 ports, BellSouth will only allocate 24 ports of the 96 port splitter to the first CLEC that orders a splitter for that central office, thus creating a backlog of 72 ports that have already been ordered by that CLEC ("Backlog"). In the event of a Backlog, BellSouth will charge CLEC a monthly recurring charge appropriate for the number of ports allocated to CLEC. In addition, if CLEC requested a 96 port splitter, it shall pay a non-recurring charge for a 96 port splitter, but shall pay no non-recurring charges when additional ports are added to alleviate the Backlog.
3. BellSouth will allocate, on a first-come/first-served basis, the remaining 72 ports of the splitter (in blocks of 24 ports) to the other CLECs that place an order for a splitter at that same central office.

Orders Submitted by Three (3) P.M. EST, April 28, 2000 with Due Date of June 6, 2000 or Sooner

4. A firm order for a splitter issued to the BellSouth Complex Resale Support Group (CRSG) on or by Three (3) P.M. EST, April 28, 2000, with due date of June 6, 2000, or sooner, will be given priority over orders received after

three (3) P.M. EST, April 28, 2000. Orders for the first 200 splitters received prior to April 28, 2000, will be installed on or before June 5, 2000, and shall be installed in accordance with the priority list. The first 25 splitter orders shall be installed no later than May 22, 2000.

5. In the event CLECs submit to BellSouth more than 200 splitter orders on or before three (3) P.M. EST, April 28, 2000, BellSouth shall install fifty (50) splitters a week each week after June 5, 2000.
6. In the event there are more than four (4) orders submitted on or April 28, 2000, for a splitter at a particular central office, a second splitter will be installed at that central office in accordance with the Priority List.
7. Backlogs associated with orders submitted on or before April 28, 2000 will be fulfilled in their entirety before any orders received after April 28, 2000 are worked. In fulfilling a Backlog, the CLEC's additional ports may not be on the same shelf as the initial 24 ports.

Orders Received after Three (3) P.M. EST, April 28, 2000

8. Irrespective of the Priority List, no orders received after three (3) P.M. EST, April 28, 2000, will be worked until after all orders received on or before three (3) P.M. EST, April 28, 2000 have been completed.
9. Once all orders received on or before April 28, 2000, have been worked in their entirety, orders received after April 28, 2000, will have a minimum interval of forty-two (42) calendar days from date of receipt.

Orders Submitted with Due Dates After June 6, 2000

10. Any order submitted on or before April 28, 2000, with a due date of after June 6, 2000, will be completed according to the due date provided there is available inventory and all orders with a due date of June 6, 2000 or earlier have been completed.

Georgia Rating/Ranking of Central Offices for Linesharing

March 9, 2000

Covad, Rhythms, Northpoint, New
Edge

CLL Combined Ranking

MRTTGAMA	1
RSWLGAMA	2
ATLNGABU	3
ATLNGAPP	4
DLTHGAHS	5
ATLNGASS	6
CHMBGAMA	7
AGSTGAU	8
LRVLGAOS	9
MRTTGAEA	10
SMYRGAMA	11
LLBNGAMA	12
WDSTGACR	13
ATHNGAMA	14
AGSTGAFI	15
AGSTGATH	16
JNBOGAMA	17
NRCRGAMA	18
ATLNGATH	19
ALPRGAMA	20
DNWDGAMA	21
CMNGGAMA	22
AGSTGAMT	23
ALBYGAMA	24
GSVLGAMA	25
SNLVGAMA	26
ATLNGAIC	27
ATLNGAEP	28
TUKRGAMA	29
ROMEGATL	30
VLDSGAMA	31
MACNGAMT	32
ASTLGAMA	33
SMYRGAPP	34
DGVLGAMA	35
ATLNGAEL	36
SNMTGALR	37
CNYRGAMA	38
MACNGAVN	39
WRRBGAMA	40
NWNNGAMA	41

GRFNGAMA	43
PANLGAMA	44
BUFRGABH	45
ATLNGACD	46
MACNGAGP	47
SVNHGABS	48
ATLNGACS	49
PTCYGAMA	50
RVDLGAMA	51
STBRGANH	52
MCDNGAGS	53
ATLNGAWE	54
SVNHGADE	55
SVNHGAWB	56
ATLNGAGR	57
ATLNGAAD	58
CRVLGAMA	59
ACWOGAMA	60
ATLNGABH	61
FYVLGASG	62
SVNHGAGC	63
SVNHGAWI	64
ATLNGAFP	65
ATLNGAHR	66
PWSPGAAS	67
CRTNGAMA	68
ATLNGALA	69
MRRWGAMA	70
CLMBGAMT	71
CLMBGAMW	72
LTHNGAJS	73
CVTNGAMT	74
DLLSGAES	75
FRBNGAEB	76
CLMBGABV	77
BRWKGAMA	78
ATLNGAQS	79
CNTNGAXB	80
LQVLGACS	81
SSISGAES	81

BellSouth Central Offices (All states excluding GA)

Ref. #	CLLI	State	Combined CLEC Rank
312	PRRNFLMA	FL	1
1330	MMPHTNBA	TN	2
1362	NSVLTNMT	TN	3
202	GSVFLNW	FL	4
1	ALBSALMA	AL	5
13	BRHMALCH	AL	6
268	MLBRFLMA	FL	7
1337	MMPHTNMA	TN	8
285	ORLDFLAP	FL	9
1335	MMPHTNGT	TN	10
208	HLWDFLPE	FL	11
286	ORLDFLPH	FL	12
1333	MMPHTNEL	TN	13
324	STRNFLMA	FL	14
14	BRHMALCP	AL	15
15	BRHMALEL	AL	16
1141	CLMASCSN	SC	17
1240	CHTGTNNS	TN	18
1339	MMPHTNOA	TN	19
1073	RLGHNCSE	NC	20
299	PMBHFLCS	FL	21
698	NWORLASW	LA	22
1354	NSVLTNBW	TN	23
1309	KNVLTNMA	TN	24
16	BRHMALEN	AL	25
17	BRHMALEW	AL	26
1345	MRBOTNMA	TN	27
1364	NSVLTNUN	TN	28
623	KNNRLABR	LA	29
984	CARYNCCE	NC	30
333	WPBHFLGA	FL	31
1356	NSVLTNCH	TN	32
1363	NSVLTNST	TN	33
429	LSVLKYAP	KY	34
20	BRHMALHW	AL	35
21	BRHMALMT	AL	36
638	LFYTLAMA	LA	37
1306	KNTNTNMA	TN	38
663	NWORLAMT	LA	39
149	BCRTFLMA	FL	40
150	BCRTFLSA	FL	41
1340	MMPHTNSL	TN	42
1338	MMPHTNMT	TN	43
307	PNSCFLFP	FL	44
22	BRHMALOM	AL	45
23	BRHMALOX	AL	46
178	DYBHFLMA	FL	47

1352	NSVLTNAP	TN	48
1332	MMPHTNCT	TN	49
334	WPBHFLGR	FL	50
249	MIAMFLCA	FL	51
732	SLIDLAMA	LA	52
1307	KNVLTNBE	TN	53
64	MTGMALDA	AL	54
24	BRHMALRC	AL	55
26	BRHMALVA	AL	56
196	FTPRFLMA	FL	57
1272	FKLNTNMA	TN	58
695	NWORLARY	LA	59
1019	GNBONCAS	NC	60
1068	RLGHNCGL	NC	61
692	NWORLAMR	LA	62
1310	KNVLTNWH	TN	63
179	DYBHFLPO	FL	64
34	BSMRALMA	AL	65
148	BCRTFLBT	FL	66
233	JPTRFLMA	FL	67
1357	NSVLTNDO	TN	68
697	NWORLASK	LA	69
189	FTLDFLJA	FL	70
262	MIAMFLRR	FL	71
288	ORLDFLPC	FL	72
1361	NSVLTNMC	TN	73
667	MONRLAMA	LA	74
664	MNFDLAMA	LA	75
157	BYBHFLMA	FL	76
170	DLBHFLKP	FL	77
554	BTRGLAGW	LA	78
1237	CHTGTNDT	TN	79
232	JCVLFLWC	FL	80
253	MIAMFLHL	FL	81
888	CHRLNCCE	NC	82
431	LSVLKYBR	KY	83
1353	NSVLTNBV	TN	84
1158	FLRNSCMA	SC	85
171	DLBHFLMA	FL	86
174	DRBHFLMA	FL	87
1323	MAVLTNMA	TN	88
1358	NSVLTNGH	TN	89
230	JCVLFLSJ	FL	90
301	PMBHFLMA	FL	91
265	MIAMFLWD	FL	92
287	ORLDFLMA	FL	93
1386	NSVLTNWM	TN	94
164	COCOFLMA	FL	95
187	FTLDFLCR	FL	96
188	FTLOFLCY	FL	97
330	VRBHFLMA	FL	98
1280	GDVLTNMA	TN	99

696	NWORLASC	LA	100
264	MIAMFLSO	FL	101
988	CHRLNCCR	NC	102
683	NWORLAAR	LA	103
1311	KNVLTNYH	TN	104
557	BTRQLAMA	LA	105
190	FTLDFLMR	FL	106
191	FTLDFLOA	FL	107
1250	CLVLTNMA	TN	108
987	CHRLNCCA	NC	109
430	LSVLKYBE	KY	110
338	WPBHFLRP	FL	111
271	MNDRFLLO	FL	112
229	JCVLFLRV	FL	113
1020	GNBONCEU	NC	114
308	PNSCFLBL	FL	115
192	FTLDFLPL	FL	116
194	FTLDFLSU	FL	117
1236	CHTGTNBR	TN	118
986	CHRLNCBO	NC	119
687	NWORLACM	LA	120
1004	CPHLNCRO	NC	121
208	HLWDFLWH	FL	122
1341	MMPHTNST	TN	123
996	CHRLNCOSH	NC	124
848	JCSNMSCP	MS	125
195	FTLDFLWN	FL	126
206	HLWDFLHA	FL	127
989	AHVLNCOH	NC	128
995	CHRLNCRE	NC	129
227	JCVLFLNO	FL	130
442	LSVLKYWE	KY	131
1069	RLGHNCHO	NC	132
436	LSVLKYOA	KY	133
992	CHRLNCLP	NC	134
356	BWLGKYMA	KY	135
207	HLWDFLMA	FL	136
218	JCBHFLMA	FL	137
305	PNCYFLMA	FL	138
1022	GNBONCLA	NC	139
220	JCVLFLAR	FL	140
335	WPBHFLHH	FL	141
319	SNFRFLMA	FL	142
439	LSVLKYSM	KY	143
222	JCVLFLCL	FL	144
90	TSCALAMT	AL	145
221	JCVLFLBW	FL	146
223	JCVLFLFC	FL	147
1247	CLEVTNMA	TN	148
201	GSVLFLMA	FL	149
691	NWORLAMC	LA	150
300	PMBHFLFE	FL	151

1189	GNVLSWR	SC	204
327	TTVFLMA	FL	205
260	MIAMFLPB	FL	206
261	MIAMFLPL	FL	207
848	JCSNMSMB	MS	208
1188	MNPLSCES	SC	209
577	CVTNLAMA	LA	210
279	NDADFLOL	FL	211
998	CHRLNCUN	NC	212
1071	RLGHNCMO	NC	213
1130	CHTNSCNO	SC	214
310	PNSCFLWA	FL	215
278	NDADFLAC	FL	216
266	MIAMFLWM	FL	217
177	DYBHFLOB	FL	218
1138	CLMASCSA	SC	219
686	NWORLACA	LA	220
1067	RLGHNCGA	NC	221
336	WPBHFLLE	FL	222
624	KNNRLAHN	LA	223
1207	SPBGSCMA	SC	224
1080	SLBRNCMA	NC	225
278	NDADFLGG	FL	226
302	PMBHFLTA	FL	227
1143	CLMASCSW	SC	228
440	LSVLKYTS	KY	229
1257	CRHTNMA	TN	230
28	BRHMALWL	AL	231
435	LSVLKYJT	KY	232
639	LFYTLAVM	LA	233
332	WPBHFLAN	FL	234
1369	OKRGTNMT	TN	235
126	HNVALUN	AL	236
436	LSVLKYSL	KY	237
483	PMBRKYMA	KY	238
292	ORPKFLRW	FL	239
559	BTRGLASB	LA	240
729	SHPTLAMA	LA	241
433	LSVLKYFC	KY	242
432	LSVLKYCW	KY	243
1300	JCSNTNMA	TN	244
561	BTRGLAWN	LA	245
1101	WNSLNCLE	NC	246
1277	GALLTNMA	TN	247
558	BTRGLAIS	LA	248
726	SHPTLABS	LA	249
689	NWORLALK	LA	250
1254	CNVLTNMA	TN	251
642	LKCHLADT	LA	252
727	SHPTLAEL	LA	253
1388	SMYRTNMA	TN	254
1262	OKSNTNMT	TN	255

728	SHPTLAHD	LA	256
1031	HNVLNCCH	NC	257
971	APEXNCCE	NC	258
990	CHRLNCDE	NC	259
1346	MRTWTNMA	TN	260
852	JCSNMSRW	MS	261
1394	SPFDTNMA	TN	262
685	MNVLLAMA	LA	263
1023	GNBONCMC	NC	264
1106	AIKNSCMA	SC	265
991	CHRLNCER	NC	266
1072	RLGHNCSE	NC	267
645	LKCHLAUN	LA	268
1045	LNTNNCMA	NC	269
263	MIAMFLSH	FL	270
1017	GLBONCMA	NC	271
1308	KNVLTNFC	TN	272
1135	CLMASCH	SC	273
1100	WNSLNCGL	NC	274
824	GLPTMSTS	MS	275
258	MIAMFLNS	FL	276
67	MTGMALNO	AL	277
259	MIAMFLOL	FL	278
1398	SVVLTNMT	TN	279
993	CHRLNCMI	NC	280
1085	SSVLNCMA	NC	281
982	BURLNCEL	NC	282
731	SHPTLASG	LA	283
1024	GNBONCPG	NC	284
74	PHCYALMA	AL	285
244	MIAMFLAL	FL	286
296	PCBHFLNT	FL	287
1037	KNDLNCCE	NC	288
165	COCOFLME	FL	289
434	LSVLKYHA	KY	290
838	HTBGMSMA	MS	291
1078	SELMNCMA	NC	292
60	MOBLALSK	AL	293
1009	DVSNNCPO	NC	294
582	DNSPLAMA	LA	295
1098	WNSLNCCL	NC	296
10	AUBNALMA	AL	297
1083	SRFDNCCE	NC	298
399	FRFTKYMA	KY	299
247	MIAMFLBC	FL	300
1248	CLMATNMA	TN	301
1018	GNBONCAP	NC	302
1136	CLMASCDF	SC	303
1105	ZBLNNCCE	NC	304
321	STAGFLMA	FL	305
1098	WNDLNCPI	NC	306
846	JCSNMSBL	MS	307

11	BLFNALMA	AL	308
427	LSVLKY26	KY	309
193	FTLOFLSG	FL	310
1242	CHTGTNRO	TN	311
212	HMSTFLNA	FL	312
159	CCBHFLMA	FL	313
985	CARYNCWS	NC	314
560	BTRGLASW	LA	315
295	PAHKFLMA	FL	316
1133	CLMASCAR	SC	317
250	MIAMFLDB	FL	318
122	HNVIALW	AL	319
1066	RLGHNCDU	NC	320
1142	CLMASCSU	SC	321
210	HMSTFLEA	FL	322
154	BLGLFLMA	FL	323
1258	CRVLTNMA	TN	324
851	JCSNMSPC	MS	325
1241	CHTGTNRB	TN	326
1053	MGTNNCGR	NC	327
89	TSCALDH	AL	328
ADD	HNVIALRA	AL	329
730	SHPTLAQB	LA	330
978	BOONNCKI	NC	331
839	HTBGMSWE	MS	332
8	ATHNALMA	AL	333
610	HMNDLAMA	LA	334
874	MDSNMSES	MS	335
71	OPLKALMT	AL	336
769	BILXMSED	MS	337
269	MLTNFLRA	FL	338
1301	JCSNTNNS	TN	339
55	MOBLALPR	AL	340
552	BTRGLABK	LA	341
847	JCSNMSCB	MS	342
437	LSVLKYSH	KY	343
1129	CHTNSCLB	SC	344
492	RCMDKYMA	KY	345
411	HNSNKYMA	KY	346
1040	LENRNCHA	NC	347
1190	NAGSSCMA	SC	348
77	PRVLALMA	AL	349
213	HTISFLMA	FL	350
972	ARDNNCCE	NC	351
200	GLBRFLMC	FL	352
823	GLPTMSLY	MS	353
315	PTSLFLSO	FL	354
51	MOBLALAP	AL	355
1127	CHTNSCJM	SC	356
893	OCSPMSGO	MS	357
91	TSCALNO	AL	358
317	SBSTFLMA	FL	359

527	WNCHKYMA	KY	360
58	MOBLALSF	AL	361
1239	CHTGTNMV	TN	362
1016	GLBONCAD	NC	363
770	BILXMSMA	MS	364
1400	TLLHTNMA	TN	365
109	FRHPALMA	AL	366
1368	NWPTTNMT	TN	367
56	MOBLALSA	AL	368
886	MONRLADS	LA	369
868	MONRLAWM	LA	370
57	MOBLALSE	AL	371
404	GRTWKYMA	KY	372
970	AHVLNCOT	NC	373
1385	SHVLTNMA	TN	374
780	BRNDMSES	MS	375
1414	WNCHTNMA	TN	376
1347	MSCTTNMT	TN	377
1315	LNCYTNMA	TN	378
240	LYHNFLOH	FL	379
1374	PLSKTNMA	TN	380
1317	LRBGTNMA	TN	381
555	BTRGLAHR	LA	382
294	PACEFLPV	FL	383
850	JCSNMSNR	MS	384
1243	CHTGTNSE	TN	385
204	HBSDFLMA	FL	386
1318	LXTNTNMA	TN	387
1343	MNCHTNMA	TN	388
1249	CLTNTNMA	TN	389
322	STAGFLSH	FL	390
1041	LENRNCHU	NC	391
308	PNSCFLHC	FL	392
1285	GTBGTNMT	TN	393
868	AHVLNCBI	NC	394
1238	CHTGTNHT	TN	395
304	PNCYFLCA	FL	396

EXHIBIT TGW – 14

**Amendment to the Interconnection Agreement Between
Northpoint Communications, Inc. and BellSouth**

**AMENDMENT TO THE
INTERCONNECTION AGREEMENT BETWEEN
NORTHPOINT COMMUNICATIONS, INC. and
BELLSOUTH TELECOMMUNICATIONS, INC.
DATED JUNE 9, 1998**

THIS AMENDMENT ("Amendment") is made by and between BellSouth Telecommunications, Inc. ("BellSouth") and NorthPoint Communications, Inc. ("NorthPoint"), as of the 26th day of May 2000. (BellSouth and NorthPoint are collectively referred to as the "Parties".)

WHEREAS, the Parties executed an Interconnection Agreement on June 9, 1998, (the "Agreement"); and

WHEREAS, the Parties desire to amend the Agreement to set forth the terms and conditions relating to BellSouth providing to NorthPoint unbundled access to the high frequency spectrum of BellSouth's local loops as a network element.

NOW, THEREFORE, for and in consideration of the promises contained herein, the parties to this Amendment, intending to be legally bound, hereby agree as follows:

1.0 Attachment 2 of the Agreement shall be amended by adding the following Section 16:

16 HIGH FREQUENCY SPECTRUM NETWORK ELEMENT

16.1 GENERAL

BellSouth shall provide NorthPoint access to the high frequency portion of the local loop as an unbundled network element ("High Frequency Spectrum") at the rates set forth in Section 4 herein. BellSouth shall provide NorthPoint with the High Frequency Spectrum irrespective of whether BellSouth chooses to offer xDSL services on the loop.

16.1.1 The High Frequency Spectrum is defined as the frequency range above the voiceband on a copper loop facility carrying analog circuit-switched voiceband transmissions. Access to the High Frequency Spectrum is intended to allow NorthPoint the ability to provide Digital Subscriber Line ("xDSL") data services. The High Frequency Spectrum shall be available for any version of xDSL presumed acceptable for deployment pursuant to 47 C.F.R. Section 51.230, including, but not limited to, ADSL, RADSL, and any other xDSL technology that is presumed to be acceptable for deployment pursuant to FCC rules. BellSouth will continue to have access to the low frequency portion of the loop spectrum (from 300 Hertz to at least 3000 Hertz, and potentially up to 3400 Hertz,

depending on equipment and facilities) for the purposes of providing voice service. NorthPoint shall only use xDSL technology that is within the PSD mask parameters set forth in T1.413 or other applicable industry standards. NorthPoint shall provision xDSL service on the High Frequency Spectrum in accordance with the applicable Technical Specifications and Standards.

16.1.2 The following loop requirements are necessary for NorthPoint to be able to access the High Frequency Spectrum: an unconditioned, 2-wire copper loop. An unconditioned loop is a copper loop with no load coils, low-pass filters, range extenders, DAMLs, or similar devices and minimal bridged taps consistent with ANSI T1.413 and T1.601. The process of removing such devices is called "conditioning." BellSouth shall charge and NorthPoint shall pay as interim rates, the same rates that BellSouth charges for conditioning stand-alone loops (e.g., unbundled copper loops, ADSL loops, and HDSL loops) until permanent pricing for loop conditioning is established either by mutual agreement or by a state public utility commission. The interim costs for conditioning are subject to true up as provided in paragraph 4.0. BellSouth will condition loops to enable NorthPoint to provide xDSL-based services on the same loops the incumbent is providing analog voice service, regardless of loop length. BellSouth is not required to condition a loop for shared-line xDSL if conditioning of that loop significantly degrades BellSouth's voice service. BellSouth shall charge, and NorthPoint shall pay, for such conditioning the same rates BellSouth charges for conditioning stand-alone loops (e.g., unbundled copper loops, ADSL loops, and HDSL loops.) If NorthPoint requests that BellSouth condition a loop longer than 18,000 ft. and such conditioning significantly degrades the voice services on the loop, NorthPoint shall pay for the loop to be restored to its original state.

16.1.3 NorthPoint's meet point is the point of termination for NorthPoint's or the toll main distributing frame in the central office ("Meet Point"). BellSouth will use jumpers to connect the NorthPoint's connecting block to the splitter. The splitter will route the High Frequency Spectrum on the circuit to the NorthPoint's xDSL equipment in the NorthPoint's collocation space.

16.1.4 NorthPoint shall have access to the Splitter for test purposes, irrespective of where the Splitter is placed in the BellSouth premises.

16.2 PROVISIONING OF HIGH FREQUENCY SPECTRUM AND SPLITTERS

16.2.1 BellSouth will provide NorthPoint with access to the High Frequency Spectrum as follows:

- 16.2.1.1** BellSouth is unable to obtain a sufficient number of splitters for placement in all central offices requested by competitive local exchange carriers ("CLECs") by June 6, 2000. Therefore, BellSouth, NorthPoint and other CLECs have developed a process for allocating the initial orders of splitters. BellSouth will install all splitters ordered on or before April 28, 2000, in accordance with the schedule set forth in Exhibit A of this Agreement. Once all splitters ordered by all CLECs on or before April 28, 2000, have been installed, BellSouth will install splitters within forty-two (42) calendar days of NorthPoint's submission of such order to the BellSouth Complex Resale Support Group; provided, however, that in the event BellSouth did not have reasonable notice that a particular central office was to have a splitter installed therein, the forty-two (42) day interval shall not apply. Collocation itself or an application for collocation will serve as reasonable notice. BellSouth and NorthPoint will reevaluate this forty-two (42) day interval on or before August 1, 2000.
- 16.2.1.2** On or after June 6, 2000, once a splitter is installed on behalf of NorthPoint in a central office, NorthPoint shall be entitled to order the High Frequency Spectrum on lines served out of that central office.
- 16.2.1.3** BellSouth will select, purchase, install, and maintain a central office POTS splitter and provide NorthPoint access to data ports on the splitter. In the event that BellSouth elects to use a brand of splitter other than Siecor, the Parties shall renegotiate the recurring and non-recurring rates associated with the splitter. In the event the Parties cannot agree upon such rates, the then current rates (final or interim) for the Siecor splitter shall be the interim rates for the new splitter. BellSouth will provide NorthPoint with a carrier notification letter at least 30 days before of such change and shall work collaboratively with NorthPoint to select a

mutually agreeable brand of splitter for use by BellSouth. NorthPoint shall thereafter purchase ports on the splitter as set forth more fully below.

16.2.1.4 BellSouth will install the splitter in (i) a common area close to the NorthPoint collocation area, if possible; or (ii) in a BellSouth relay rack as close to the NorthPoint DS0 termination point as possible. For purposes of this section, a common area is defined as an area in the central office in which both Parties have access to a common test access point. BellSouth will cross-connect the splitter data ports to a specified NorthPoint DS0 at such time that a NorthPoint end user's service is established. The parties shall work collaboratively towards providing NorthPoint the ability to hard-wire rather than cross connect to the splitter data ports.

16.2.1.5 The High Frequency Spectrum shall only be available on loops on which BellSouth is also providing, and continues to provide, analog voice service. In the event the end-user terminates its BellSouth provided voice service for any reason, and NorthPoint desires to continue providing xDSL service on such loop, NorthPoint shall be required to purchase the full stand-alone loop unbundled network element. In the event BellSouth disconnects the end-user's voice service pursuant to its tariffs or applicable law, and NorthPoint desires to continue providing xDSL service on such loop, NorthPoint shall be required to purchase the full stand-alone loop unbundled network element. BellSouth shall give NorthPoint notice in a reasonable time prior to disconnect, which notice shall give NorthPoint an adequate opportunity to notify BellSouth of its intent to purchase such loop. The Parties shall work collaboratively towards the mode of notification and the time periods for notice.

16.2.1.6 NorthPoint and BellSouth shall continue to work together collaboratively to develop systems and processes for provisioning the High Frequency Spectrum in various real life scenarios. BellSouth and NorthPoint agree that NorthPoint is entitled to purchase the High Frequency Spectrum on a loop that is provisioned over fiber fed digital loop

carrier. BellSouth will provide NorthPoint with access to feeder subloops at UNE prices. BellSouth and NorthPoint will work together to establish methods and procedures for providing NorthPoint access to the High Frequency Spectrum over fiber fed digital loop carriers by August 1, 2000.

- 16.2.1.7 Only one competitive local exchange carrier shall be permitted access to the High Frequency Spectrum of any particular loop.
- 16.2.1.8 To order the High Frequency Spectrum on a particular loop, NorthPoint must have a DSLAM, or access to a DSALM, that serves the end-user of such loop. BellSouth shall allow NorthPoint to order splitters in central offices where NorthPoint is in the process of collocating or augmenting their current collocation arrangement. BellSouth will begin billing NorthPoint the Recurring and Non-Recurring charges associated with the splitter once notification of the completed splitter installation is provided to NorthPoint by BellSouth via the splitter completion notice. BellSouth will install these splitters within the interval provided in paragraph 16.2.1.1.
- 16.2.1.9 BellSouth will devise a splitter order form that allows NorthPoint to order a portion of the shelf or a full shelf of splitter ports.
- 16.2.1.10 BellSouth will provide NorthPoint the Local Service Request ("LSR") format to be used when ordering the High Frequency Spectrum.
- 16.2.1.11 BellSouth will initially provide access to the High Frequency Spectrum within the following intervals:
16.2.1.11.1

Lines	FOC or Error notice	After LSR Receipt
1-5	48 hours manual Less than 24 hours electronic	3 Business days
6-10	48 hours manual Less than 24 hours electronic	5 Business days
10 +	48 hours manual Less than 24 hours electronic	To Be Negotiated

BellSouth and NorthPoint will re-evaluate these intervals on or before August 1, 2000. Upon BellSouth's deployment of real-time, flow through ordering systems referenced in 16.2.1.12, BellSouth will provide FOCs and error notification to NorthPoint in real-time, or as close to real-time as possible, and in no event greater than a monthly average of 4 hours.

- 16.2.1.12 NorthPoint will initially use BellSouth's existing pre-qualification functionality and order processes to pre-qualify line and order the High Frequency Spectrum. NorthPoint and BellSouth will continue to work together to modify these functionalities and processes to better support provisioning the High Frequency Spectrum. In particular, BellSouth will work with NorthPoint to develop a real-time, mechanized, integratable preordering and ordering functionality with real-time flow through functionality with a target of the 4th Quarter 2000.

16.3 MAINTENANCE AND REPAIR

- 16.3.1 NorthPoint shall have access, for test, repair, and maintenance purposes, to any loop as to which it has access to the High Frequency Spectrum. NorthPoint may access the loop at the point where the combined voice and data signal exits the central office splitter.
- 16.3.2 BellSouth will be responsible for repairing voice services and the physical line between the network interface device at the customer premise and the Meet Point of demarcation in the central office. NorthPoint will be responsible for repairing data services. Each Party will be responsible for maintaining its own equipment.
- 16.3.3 If the problem encountered appears to impact primarily the xDSL service, the end user should call NorthPoint. If the problem impacts primarily the voice service, the end user should call BellSouth. If both services are impaired, the recipient of the call should coordinate with the other service provider(s).
- 16.3.4 BellSouth and NorthPoint will work together to diagnose and resolve any troubles reported by the end-user and to develop a process for repair of lines as to which NorthPoint has access to the High Frequency Spectrum. The Parties will continue to work

together to address customer initiated repair requests and other customer impacting maintenance issues to better support unbundling of High Frequency Spectrum.

16.3.4.1 The Parties will be responsible for testing and isolating troubles on its respective portion of the loop. Once a Party ("Reporting Party") has isolated a trouble to the other Party's ("Repairing Party") portion of the loop, the Reporting Party will notify the Repairing Party that the trouble is on the Repairing Party's portion of the loop. The Repairing Party will take the actions necessary to repair the loop if it determines a trouble exists in its portion of the loop.

16.3.4.2 If a trouble is reported on either Party's portion of the loop and no trouble actually exists, the Repairing Party may charge the Reporting Party for any dispatching and testing (both inside and outside the central office) required by the Repairing Party in order to confirm the loop's working status.

16.3.4.3 BellSouth and NorthPoint will work together to provide NorthPoint the ability to have remote access to BellSouth's testing capability on a non discriminatory basis for those loops where NorthPoint has access to the High Frequency Spectrum.

16.3.5 In the event NorthPoint's deployment of xDSL on the High Frequency Spectrum significantly degrades the performance of other advanced services or of BellSouth's voice service on the same loop, BellSouth shall notify NorthPoint and allow twenty-four (24) hours to cure the trouble. If NorthPoint fails to resolve the trouble, BellSouth may discontinue NorthPoint's access to the High Frequency Spectrum on such loop.

16.4 PRICING

16.4.1 BellSouth and NorthPoint agree to the following negotiated, interim rates for the High Frequency Spectrum. All interim prices will be subject to true up based on either mutually agreed to permanent pricing or permanent pricing established in a line sharing cost proceeding conducted by state public utility commissions. In the event interim prices are established by state

ACTIVATION - PER OCCURRENCE										
Monthly recurring		\$6.00	\$6.00	\$6.00	\$6.00	\$6.00	\$6.00	\$6.00	\$6.00	\$6.00
Non Recurring - 1st		\$40	\$40	\$40	\$40	\$40	\$40	\$40	\$40	\$40
Non Recurring - Add'l.		\$22	\$22	\$22	\$22	\$22	\$22	\$22	\$22	\$22
SUBSEQUENT ACTIVITY - PER OCCURRENCE -	ULSDS									
Non Recurring - 1st		\$30	\$30	\$30	\$30	\$30	\$30	\$30	\$30	\$30
Non Recurring - Add'l.		\$15	\$15	\$15	\$15	\$15	\$15	\$15	\$15	\$15

16.4.3 Any element necessary for interconnection that is not identified above is priced as currently set forth in the Agreement.

2.0 BellSouth shall make available to NorthPoint any agreement for the High Frequency Spectrum entered into between BellSouth and any other CLEC. If NorthPoint elects to adopt such agreement, NorthPoint shall adopt all rates, terms and conditions relating to the High Frequency Spectrum in such agreement.

3.0 In the event of a conflict between the terms of this Amendment and the terms of the Interconnection Agreement, the terms of this Amendment shall prevail.

4.0 All of the other provisions of the Agreement shall remain in full force and effect.

5.0 Either or both of the Parties is authorized to submit this Amendment to the respective state regulatory authorities for approval subject to Section 252(e) of the Federal Telecommunications Act of 1996.

IN WITNESS WHEREOF, the Parties hereto have caused this Amendment to be executed by their respective duly authorized representatives on the date indicated below.

NorthPoint Communications, Inc.

By: [Signature]

Name: Clinton A. Harris

Title: Vice President

Date: 6/15/00

BellSouth Telecommunications, Inc.

By: [Signature]

Name: Jerry Hendrix

Title: Senior Director

Date: 5/31/00

EXHIBIT A

CLEC/BellSouth Line Sharing Jointly Developed

Rules for Splitter Allocation

BellSouth is unable to obtain a sufficient number of splitters for placement in all central offices requested by competitive local exchange carriers ("CLECs") by June 6, 2000. As a result of the current shortage of splitters, CLECs and BellSouth developed the following rules for splitter allocation. These rules shall apply until such time as those CLECs participating in the creation of the rules agree that the regular splitter installation rules should apply.

1. There shall be a single CLEC priority list of central offices that shall consist of the Georgia CLEC priority list combined with the priority list from the other states in BellSouth's nine-state region (the "Priority List"). This priority list shall be used for filling orders; it shall determine the order in which splitters will be deployed in those central offices for which splitters have been ordered. Georgia central offices (CO) will have priority over other state's COs.
2. During the allocation period, a CLEC may order 24 ports or 96 ports. In either event, BellSouth shall install a 96 port splitter in accordance with the Priority List. However, during the allocation period, in the event a CLEC orders 96 ports, BellSouth will only allocate 24 ports of the 96 port splitter to the first CLEC that orders a splitter for that central office, thus creating a backlog of 72 ports that have already been ordered by that CLEC ("Backlog"). In the event of a Backlog, BellSouth will charge CLEC a monthly recurring charge appropriate for the number of ports allocated to CLEC. In addition, if CLEC requested a 96 port splitter, it shall pay a non-recurring charge for a 96 port splitter, but shall pay no non-recurring charges when additional ports are added to alleviate the Backlog.
3. BellSouth will allocate, on a first-come/first-served basis, the remaining 72 ports of the splitter (in blocks of 24 ports) to the other CLECs that place an order for a splitter at that same central office.

Orders Submitted by April 28, 2000 with Due Date of June 6, 2000 or Sooner

4. A firm order for a splitter issued to the BellSouth Complex Resale Support Group (CRSG) on or by April 28, 2000, with due date of June 6, 2000, or sooner, will be given priority over orders received after April 28, 2000.

Orders for the first 200 splitters received prior to April 28, 2000, will be installed on or before June 5, 2000, and shall be installed in accordance with the priority list. The first 25-splitter orders shall be installed no later than May 22, 2000.

5. In the event CLECs submit to BellSouth more than 200 splitter orders on or before April 28, 2000, BellSouth shall install fifty (50) splitters a week each week after June 5, 2000.
6. In the event there are more than four (4) orders submitted on or before April 28, 2000, for a splitter at a particular central office, a second splitter will be installed at that central office in accordance with the Priority List.
7. Backlogs associated with orders submitted on or before April 28, 2000 will be fulfilled in their entirety before any orders received after April 28, 2000 are worked. In fulfilling a Backlog, the CLEC's additional ports may not be on the same shelf as the initial 24 ports.

Orders Received after April 28, 2000

8. Irrespective of the Priority List, no orders received after April 28, 2000, will be worked until after all orders received on or before April 28, 2000 have been completed.
9. Once all orders received on or before April 28, 2000, have been worked in their entirety, orders received after April 28, 2000, will have a minimum interval of forty-two (42) calendar days from date of receipt.

Orders Submitted with Due Dates After June 6, 2000

10. Any order submitted on or before April 28, 2000, with a due date of after June 6, 2000, will be completed according to the due date provided there is available inventory and all orders with a due date of June 6, 2000 or earlier have been completed.

Georgia Rating/Ranking of Central Offices for Linesharing

March 9, 2000

Covad, Rhythms, NorthPoint, New
Edge

CLLI Combined Ranking

MRTTGAMA	1
RSWLGAMA	2
ATLNGABU	3
ATLNGAPP	4
DLTHGAHS	5
ATLNGASS	6
CHMBGAMA	7
AGSTGAU	8
LRVLGAOS	9
MRTTGAEA	10
SMYRGAMA	11
LLBNGAMA	12
WDSTGACR	13
ATHNGAMA	14
AGSTGAFL	15
AGSTGATH	16
JNBOGAMA	17
NRCRGAMA	18
ATLNGATH	19
ALPRGAMA	20
DNWDGAMA	21
CMNGGAMA	22
AGSTGAMT	23
ALBYGAMA	24
GSVLGAMA	25
SNLVGAMA	26
ATLNGAIC	27
ATLNGAEP	28
TUKRGAMA	29
ROMEGATL	30
VLDSGAMA	31
MACNGAMT	32
ASTLGAMA	33
SMYRGAPP	34
DGVLGAMA	35
ATLNGAEL	36
SNMTGALR	37
CNYRGAMA	38
MACNGAVN	39
WRRBGAMA	40
NWNNGAMA	41

ATLNGAWD	42
GRFNGAMA	43
PANLGAMA	44
BUFRGABH	45
ATLNGACD	46
MACNGAGP	47
SVNHGABS	48
ATLNGACS	49
PTCYGAMA	50
RVDLGAMA	51
STBRGANH	52
MCDNGAGS	53
ATLNGAWE	54
SVNHGADE	55
SVNHGAWB	56
ATLNGAGR	57
ATLNGAAD	58
CRVLGAMA	59
ACWOGAMA	60
ATLNGABH	61
FYVLGASG	62
SVNHGAGC	63
SVNHGAWI	64
ATLNGAFP	65
ATLNGAHR	66
PWSPGAAS	67
CRTNGAMA	68
ATLNGALA	69
MRRWGAMA	70
CLMBGAMT	71
CLMBGAMW	72
LTHNGAJS	73
CVTNGAMT	74
DLLSGAES	75
FRBNGAEB	76
CLMBGABV	77
BRWKGAMA	78
ATLNGAQS	79
CNTNGAXB	80
LGVLGACS	81
SSISGAES	81

BellSouth Central Offices (All states excluding GA)

Ref. #	CLLI	State	Combined CLEC Rank
312	PRRNFLMA	FL	1
1330	MMPHTNBA	TN	2
1382	NSVLTNMT	TN	3
202	GSVFLNW	FL	4
1	ALBSALMA	AL	5
13	BRHMALCH	AL	6
288	MLBRFLMA	FL	7
1337	MMPHTNMA	TN	8
285	ORLDFLAP	FL	9
1335	MMPHTNGT	TN	10
208	HLWDFLPE	FL	11
289	ORLDFLPH	FL	12
1333	MMPHTNEL	TN	13
324	STRNFLMA	FL	14
14	BRHMALCP	AL	15
15	BRHMALEL	AL	16
1141	CLMASCNS	SC	17
1240	CHTGTNNS	TN	18
1339	MMPHTNOA	TN	19
1073	RLGHNCIS	NC	20
299	PMBHFLCS	FL	21
698	NWORLASW	LA	22
1354	NSVLTNBW	TN	23
1309	KNVLTNMA	TN	24
16	BRHMALEN	AL	25
17	BRHMALEW	AL	26
1345	MRBOTNMA	TN	27
1364	NSVLTNUN	TN	28
623	KNNRLABR	LA	29
984	CARYNCCE	NC	30
333	WPBHFLGA	FL	31
1356	NSVLTNCH	TN	32
1363	NSVLTNST	TN	33
429	LSVLKYAP	KY	34
20	BRHMALHW	AL	35
21	BRHMALMT	AL	36
638	LFYTLAMA	LA	37
1308	KNTNTNMA	TN	38
693	NWORLAMT	LA	39
149	BCRTFLMA	FL	40
150	BCRTFLSA	FL	41
1340	MMPHTNSL	TN	42
1338	MMPHTNMT	TN	43
307	PNSCFLFP	FL	44
22	BRHMALOM	AL	45
23	BRHMALOX	AL	46
176	DYBHFLMA	FL	47

1352	NSVLTNAP	TN	48
1332	MMPHTNCT	TN	49
334	WPBHFLGR	FL	50
249	MIAMFLCA	FL	51
732	SLIDLAMA	LA	52
1307	KNVLTNBE	TN	53
64	MTGMALDA	AL	54
24	BRHMALRC	AL	55
26	BRHMALVA	AL	56
196	FTPRFLMA	FL	57
1272	FKLNTNMA	TN	58
695	NWORLARV	LA	59
1019	GNBONCAS	NC	60
1068	RLGHNCGL	NC	61
692	NWORLAMR	LA	62
1310	KNVLTNWH	TN	63
179	DYBHFLPO	FL	64
34	BSMRALMA	AL	65
148	BCRTFLBT	FL	66
233	JPTRFLMA	FL	67
1357	NSVLTNDO	TN	68
697	NWORLASK	LA	69
189	FTLDFLJA	FL	70
262	MIAMFLRR	FL	71
288	ORLDFLPC	FL	72
1361	NSVLTNMC	TN	73
667	MONRLAMA	LA	74
664	MNFDLAMA	LA	75
157	BYBHFLMA	FL	76
170	DLBHFLKP	FL	77
554	BTRGLAGW	LA	78
1237	CHTGTNDT	TN	79
232	JCVLFLWC	FL	80
253	MIAMFLHL	FL	81
988	CHRLNCCE	NC	82
431	LSVLKYBR	KY	83
1353	NSVLTNBV	TN	84
1158	FLRNCSMA	SC	85
171	DLBHFLMA	FL	86
174	DRBHFLMA	FL	87
1323	MAVLTNMA	TN	88
1358	NSVLTNGH	TN	89
230	JCVLFLSJ	FL	90
301	PMBHFLMA	FL	91
265	MIAMFLWD	FL	92
287	ORLDFLMA	FL	93
1366	NSVLTNWM	TN	94
164	COCOFLMA	FL	95
187	FTLDFLCR	FL	96
188	FTLDFLCY	FL	97
330	VRBHFLMA	FL	98
1280	GDVLTNMA	TN	99

696	NWORLASC	LA	100
264	MIAMFLSO	FL	101
989	CHRLNCCR	NC	102
883	NWORLAAR	LA	103
1311	KNVLTNYH	TN	104
557	BTRGLAMA	LA	105
190	FTLDFLMR	FL	106
191	FTLDFLOA	FL	107
1250	CLVLTNMA	TN	108
987	CHRLNCCA	NC	109
430	LSVLKYBE	KY	110
338	WPBHFLRP	FL	111
271	MNDRFLO	FL	112
229	JCVLFLRV	FL	113
1020	GNBONCEU	NC	114
306	PNSCFLBL	FL	115
182	FTLDFLPL	FL	116
194	FTLDFLSU	FL	117
1236	CHTGTNBR	TN	118
986	CHRLNCBO	NC	119
687	NWORLACM	LA	120
1004	CPHLNCRO	NC	121
209	HLWDFLWH	FL	122
1341	MMPHTNST	TN	123
996	CHRLNCSH	NC	124
848	JCSNMSCP	MS	125
195	FTLDFLWN	FL	126
206	HLWDFLHA	FL	127
969	AHVLNCOH	NC	128
995	CHRLNCRE	NC	129
227	JCVLFLNO	FL	130
442	LSVLKYWE	KY	131
1069	RLGHNCHO	NC	132
436	LSVLKYO	KY	133
992	CHRLNCLP	NC	134
356	BWLGKYMA	KY	135
207	HLWDFLMA	FL	136
218	JCBHFLMA	FL	137
305	PNCYFLMA	FL	138
1022	GNBONCLA	NC	139
220	JCVLFLAR	FL	140
335	WPBHFLHH	FL	141
319	SNFRFLMA	FL	142
439	LSVLKYSM	KY	143
222	JCVLFLCL	FL	144
90	TSCLALMT	AL	145
221	JCVLFLBW	FL	146
223	JCVLFLFC	FL	147
1247	CLEVTNMA	TN	148
201	GSVLFLMA	FL	149
691	NWORLAMC	LA	150
300	PMBHFLFE	FL	151

293	OVIDFLCA	FL	152
594	FKTNLAMA	LA	153
231	JCVLFLSM	FL	154
66	MTGMALMT	AL	155
243	MIAMFLAE	FL	156
245	MIAMFLAP	FL	157
99	DCTRALMT	AL	158
217	JCBHFLAB	FL	159
286	ORLDFLCL	FL	160
1102	WNSLNCVI	NC	161
428	LSVLKYAN	KY	162
981	BURLNCDA	NC	163
59	MOBLALSH	AL	164
314	PTSLFLMA	FL	165
246	MIAMFLBA	FL	166
248	MIAMFLBR	FL	167
123	HNVIALMT	AL	168
19	BRHMALFS	AL	169
690	NWORLAMA	LA	170
1287	HDVLTNMA	TN	171
290	ORLDFLSA	FL	172
1028	GSTANCSO	NC	173
52	MOBLALAZ	AL	174
1211	SUVLSCMA	SC	175
251	MIAMFLFL	FL	176
252	MIAMFLGR	FL	177
1131	CHTNSCWA	SC	178
54	MOBLALOS	AL	179
75	PNSNALMA	AL	180
1058	MTOLNCCE	NC	181
1070	RLGHNCJO	NC	182
1099	WNSLNCFI	NC	183
124	HNVIALPW	AL	184
472	OWBOKYMA	KY	185
254	MIAMFLIC	FL	186
1125	CHTNSCDP	SC	187
255	MIAMFLKE	FL	188
1140	CLMASC SH	SC	189
441	LSVLKYVS	KY	190
311	PNVDFLMA	FL	191
277	NDADFLBR	FL	192
1312	LBNNTNMA	TN	193
1166	GNVLSCDT	SC	194
281	NSBHFLMA	FL	195
256	MIAMFLME	FL	196
257	MIAMFLNM	FL	197
558	BTRGLAOH	LA	198
1126	CHTNSCDT	SC	199
33	BSMRALHT	AL	200
337	WPBHFLRB	FL	201
291	ORPKFLMA	FL	202
997	CHRLNCTH	NC	203

1189	GNVLSWR	SC	204
327	TTVFLMA	FL	205
280	MIAMFLPB	FL	206
281	MIAMFLPL	FL	207
849	JCSNMSMB	MS	208
1188	MNPLSCES	SC	209
577	CVTNLAMA	LA	210
279	NDADFLOL	FL	211
998	CHRLNCUN	NC	212
1071	RLGHNCMO	NC	213
1130	CHTNSCNO	SC	214
310	PNSCFLWA	FL	215
276	NDADFLAC	FL	216
266	MIAMFLWM	FL	217
177	DYBHFLOB	FL	218
1138	CLMASCSA	SC	219
886	NWORLACA	LA	220
1067	RLGHNCGA	NC	221
336	WPBHFLLE	FL	222
624	KNNRLAHN	LA	223
1207	SPBGSCMA	SC	224
1080	SLBRNCMA	NC	225
278	NDADFLGG	FL	228
302	PMBHFLTA	FL	227
1143	CLMASCSW	SC	228
440	LSVLKYTS	KY	229
1257	CRHTNMA	TN	230
28	BRHMALWL	AL	231
435	LSVLKYJT	KY	232
639	LFYTLAVM	LA	233
332	WPBHFLAN	FL	234
1369	OKRGTNMT	TN	235
126	HNVALUN	AL	236
438	LSVLKYSL	KY	237
483	PMBRKYMA	KY	238
292	ORPKFLRW	FL	239
559	BTRGLASB	LA	240
729	SHPTLAMA	LA	241
433	LSVLKYFC	KY	242
432	LSVLKYCW	KY	243
1300	JCSNTNMA	TN	244
561	BTRGLAWN	LA	245
1101	WNSLNCLE	NC	246
1277	GALLTNMA	TN	247
556	BTRGLAIS	LA	248
728	SHPTLABS	LA	249
689	NWORLALK	LA	250
1254	CNVLTNMA	TN	251
642	LKCHLADT	LA	252
727	SHPTLAEL	LA	253
1388	SMYRTNMA	TN	254
1262	DKSNTNMT	TN	255

728	SHPTLAHD	LA	256
1031	HNVLCCH	NC	257
971	APEXNCCE	NC	258
990	CHRLNCDE	NC	259
1346	MRTWTNMA	TN	260
852	JCSNMSRW	MS	261
1394	SPFDTNMA	TN	262
665	MNVLLAMA	LA	263
1023	GNBONCMC	NC	264
1106	AIKNSCMA	SC	265
991	CHRLNCER	NC	266
1072	RLGHNCSE	NC	267
645	LKCHLAUN	LA	268
1045	LNTNNCMA	NC	269
263	MIAMFLSH	FL	270
1017	GLBONCMA	NC	271
1308	KNVLTNFC	TN	272
1135	CLMASCCH	SC	273
1100	WNSLNCGL	NC	274
824	GLPTMSTS	MS	275
258	MIAMFLNS	FL	276
67	MTGMALNO	AL	277
259	MIAMFLOL	FL	278
1398	SVVLTNMT	TN	279
993	CHRLNCMI	NC	280
1085	SSVLCMA	NC	281
982	BURLNCEL	NC	282
731	SHPTLASG	LA	283
1024	GNBONCPG	NC	284
74	PHCYALMA	AL	285
244	MIAMFLAL	FL	286
296	PCBHLNT	FL	287
1037	KNDLNCCE	NC	288
185	COCOFLME	FL	289
434	LSVLKYHA	KY	290
838	HTBGMSMA	MS	291
1078	SELMNCMA	NC	292
60	MOBLALSK	AL	293
1009	DVSNNCPO	NC	294
582	DNSPLAMA	LA	295
1098	WNSLNCCL	NC	296
10	AUBNALMA	AL	297
1083	SRFDNCCE	NC	298
399	FRFTKYMA	KY	299
247	MIAMFLBC	FL	300
1248	CLMATNMA	TN	301
1018	GNBONCAP	NC	302
1136	CLMASCDF	SC	303
1105	ZBLNNCCE	NC	304
321	STAGFLMA	FL	305
1096	WNDLNCPI	NC	306
846	JCSNMSBL	MS	307

11	BLFNALMA	AL	308
427	LSVLKY28	KY	309
193	FTLDFLSG	FL	310
1242	CHTGTNRO	TN	311
212	HMSTFLNA	FL	312
159	CCBHFLMA	FL	313
985	CARYNCWS	NC	314
550	BTRGLASW	LA	315
295	PAHKFLMA	FL	316
1133	CLMASCAR	SC	317
250	MIAMFLDB	FL	318
122	HNVIALLW	AL	319
1088	RLGHNCU	NC	320
1142	CLMASCSU	SC	321
210	HMSTFLEA	FL	322
154	BLGLFLMA	FL	323
1258	CRVLTNMA	TN	324
851	JCSNMSPC	MS	325
1241	CHTGTNRB	TN	326
1053	MGTNNCGR	NC	327
89	TSCALDH	AL	328
ADD	HNVIALLA	AL	329
730	SHPTLAQB	LA	330
978	BOONNCKI	NC	331
839	HTBGMSWE	MS	332
8	ATHNALMA	AL	333
610	HMNDLAMA	LA	334
874	MDSNMSES	MS	335
71	OPLKALMT	AL	336
709	BILXMSED	MS	337
289	MLTNFLRA	FL	338
1301	JCSNTNNS	TN	339
55	MOBLALPR	AL	340
552	BTRGLABK	LA	341
847	JCSNMSCB	MS	342
437	LSVLKYSH	KY	343
1129	CHTNSCLB	SC	344
492	RCMDKYMA	KY	345
411	HNSNKYMA	KY	346
1040	LENRNCHA	NC	347
1190	NAGSSCMA	SC	348
77	PRVLALMA	AL	349
213	HTISFLMA	FL	350
972	ARDNNCCE	NC	351
200	GLBRFLMC	FL	352
823	GLPTMSLY	MS	353
315	PTSLFLSO	FL	354
51	MOBLALAP	AL	355
1127	CHTNSCJM	SC	356
893	OCSPMSGO	MS	357
81	TSCALALNO	AL	358
317	SBSTFLMA	FL	359

527	WNCHKYMA	KY	360
58	MOBLALSF	AL	361
1239	CHTGTNMV	TN	362
1018	GLBONCAD	NC	363
770	BILXMSMA	MS	364
1400	TLHTNMA	TN	365
109	FRHPALMA	AL	366
1368	NWPTTNMT	TN	367
58	MOBLALSA	AL	368
668	MONRLADS	LA	369
668	MONRLAWM	LA	370
57	MOBLALSE	AL	371
404	GRTWKYMA	KY	372
970	AHVLNCOT	NC	373
1385	SHVLTNMA	TN	374
780	BRNDMSES	MS	375
1414	WNCHTNMA	TN	376
1347	MSCTTNMT	TN	377
1315	LNCYTNMA	TN	378
240	LYHNFLOH	FL	379
1374	PLSKTNMA	TN	380
1317	LRBGTNMA	TN	381
555	BTRGLAHR	LA	382
294	PACEFLPV	FL	383
850	JCSNMSNR	MS	384
1243	CHTGTNSE	TN	385
204	HBSDFLMA	FL	386
1319	LXTNTNMA	TN	387
1343	MNCHTNMA	TN	388
1249	CLTNTNMA	TN	389
322	STAGFLSH	FL	390
1041	LENRNCHU	NC	391
308	PNSCFLHC	FL	392
1285	GTBGTNMT	TN	393
968	AHVLNCBI	NC	394
1238	CHTGTNHT	TN	395
304	PNCYFLCA	FL	396

EXHIBIT TGW – 15

**High Frequency Spectrum Network Element Amendment to
the Interconnection Agreement Between Rhythms Links Inc.
and BellSouth**

**HIGH FREQUENCY SPECTRUM NETWORK ELEMENT
AMENDMENT TO THE
INTERCONNECTION AGREEMENT BETWEEN
RHYTHMS LINKS INC. and
BELLSOUTH TELECOMMUNICATIONS, INC.
DATED JANUARY 8, 1999**

THIS HIGH FREQUENCY SPECTRUM NETWORK ELEMENT AMENDMENT (the "Amendment") is made by and between BellSouth Telecommunications, Inc. ("BellSouth") and Rhythms Links Inc. ("Rhythms"), as of the 26th day of May 2000. (BellSouth and Rhythms are individually referred to as a "Party" and collectively referred to as the "Parties".)

WHEREAS, the Parties executed an Interconnection Agreement on January 8, 1999, (the "Agreement"); and

WHEREAS, the Parties desire to amend the Agreement to set forth the terms and conditions relating to BellSouth providing to Rhythms unbundled access to the high frequency spectrum of BellSouth's local loops as a network element.

NOW, THEREFORE, for and in consideration of the promises contained herein, the Parties to this Amendment, intending to be legally bound, hereby agree as follows:

1. Attachment 2 of the Agreement shall be amended by adding the following Section 16 to Attachment 2 of the Agreement:

16 High Frequency Spectrum Network Element

16.1 GENERAL

BellSouth shall provide Rhythms access to the high frequency portion of the local loop as an unbundled network element ("High Frequency Spectrum Network Element" or "High Frequency Spectrum") at the rates set forth in Section 4 herein. BellSouth shall provide Rhythms with the High Frequency Spectrum irrespective of whether BellSouth chooses to offer xDSL services on the loop.

- 16.1.1 The High Frequency Spectrum is defined as the frequency range above the voiceband on a copper loop facility carrying analog circuit-switched voiceband transmissions. Access to the High Frequency Spectrum is intended to allow Rhythms' the ability to provide Digital Subscriber Line ("xDSL") data services. The High Frequency Spectrum shall be available for any version of xDSL presumed acceptable for deployment pursuant to 47 C.F.R. Section 51.230, including, but not limited to, ADSL, RADSL, and any other xDSL technology that is presumed to be acceptable for deployment pursuant to FCC rules.

BellSouth will continue to have access to the low frequency portion of the loop spectrum (from 300 Hertz to at least 3000 Hertz, and potentially up to 3400 Hertz, depending on equipment and facilities) for the purposes of providing voice service. Rhythms shall only use xDSL technology that is within the PSD mask parameters set forth in T1.413 or other applicable industry standards. Rhythms shall provision xDSL service on the High Frequency Spectrum in accordance with the applicable Technical Specifications and Standards.

16.1.2

The following loop requirements are necessary for Rhythms to be able to access the High Frequency Spectrum: an unconditioned, 2-wire copper loop. An unconditioned loop is a copper loop with no load coils, low-pass filters, range extenders, DAMLs, or similar devices and minimal bridged taps consistent with ANSI T1.413 and T1.601. The process of removing such devices is called "conditioning." BellSouth shall charge and Rhythms shall pay as interim rates, the same rates that BellSouth charges for conditioning stand-alone loops (e.g., unbundled copper loops, ADSL loops, and HDSL loops) until permanent pricing for loop conditioning is established either by mutual agreement or by a state public utility commission. The interim costs for conditioning are subject to true up as provided in paragraph 4.0. BellSouth will condition loops to enable Rhythms to provide xDSL-based services on the same loops the incumbent is providing analog voice service, regardless of loop length. BellSouth is not required to condition a loop for shared-line xDSL if conditioning of that loop significantly degrades BellSouth's voice service. BellSouth shall charge, and Rhythms shall pay, for such conditioning the same rates BellSouth charges for conditioning stand-alone loops (e.g., unbundled copper loops, ADSL loops, and HDSL loops.). If Rhythms requests that BellSouth condition a loop longer than 18,000 ft. and such conditioning significantly degrades the voice services on the loop, Rhythms shall pay for the loop to be restored to its original state.

16.1.3

Rhythms' meet point is the point of termination for Rhythms' or the toll main distributing frame in the central office ("Meet Point"). BellSouth will use jumpers to connect the Rhythms' connecting block to the splitter. The splitter will route the High Frequency Spectrum on the

circuit to the Rhythms' xDSL equipment in the Rhythms' collocation space.

16.1.4 Rhythms shall have access to the Splitter for test purposes, irrespective of where the Splitter is placed in the BellSouth premises.

16.1A BellSouth and Rhythms enter into this Agreement without waiving current or future relevant legal rights and without prejudicing any position BellSouth or Rhythms may take on relevant issues before state or federal regulatory or legislative bodies or courts of competent jurisdiction. This clause specifically contemplates but is not limited to: (a) the positions BellSouth or Rhythms may take in any cost docket related to the terms and conditions associated with access to the High Frequency Spectrum; and (b) the positions that BellSouth or Rhythms might take before the FCC or any state public utility commission related to the terms and conditions under which BellSouth must provide Rhythms with access to the High Frequency Spectrum, including but not limited to the positions that BellSouth or Rhythms might take before the Florida Public Service Commission in docket no. 000501-TP or before the Georgia Public Service Commission in docket no. 12228-U.

16.2 PROVISIONING OF HIGH FREQUENCY SPECTRUM AND SPLITTER SPACE

BellSouth will provide Rhythms with access to the High Frequency Spectrum as follows:

16.2.1 BellSouth Owned Splitters

16.2.1.1 BellSouth is unable to obtain a sufficient number of splitters for placement in all central offices requested by competitive local exchange carriers ("CLECs") by June 6, 2000. Therefore, BellSouth, Rhythms and other CLECs have developed a process for allocating the initial orders of splitters. BellSouth will install all splitters ordered on or before April 28, 2000, in accordance with the schedule set forth in Attachment 1 of this Agreement. Once all splitters ordered by all CLECs on or before April 28, 2000, have been installed, BellSouth will install splitters within forty-two (42) calendar days of Rhythms' submission of such order to the BellSouth Complex Resale Support Group; provided, however, that in the event BellSouth did not have reasonable notice that a

particular central office was to have a splitter installed therein, the forty-two (42) day interval shall not apply. Collocation itself or an application for collocation will serve as reasonable notice.

BellSouth and Rhythms will reevaluate this forty-two (42) day interval on or before August 1, 2000.

16.2.1.2 After June 6, 2000, once a splitter is installed on behalf of Rhythms in a central office, Rhythms shall be entitled to order the High Frequency Spectrum on lines served out of that central office.

16.2.1.3 BellSouth will select, purchase, install, and maintain a central office POTS splitter and provide Rhythms access to data ports on the splitter. In the event that BellSouth elects to use a brand of splitter other than Siecor, the Parties shall renegotiate the recurring and non-recurring rates associated with the splitter. In the event the Parties cannot agree upon such rates, the then current rates (final or interim) for the Siecor splitter shall be the interim rates for the new splitter. BellSouth will provide Rhythms with a carrier notification letter at least 30 days before of such change and shall work collaboratively with Rhythms to select a mutually agreeable brand of splitter for use by BellSouth. Rhythms shall thereafter purchase ports on the splitter as set forth more fully below.

16.2.1.3.1 BellSouth will install the splitter in (i) a common area close to the Rhythms collocation area, if possible; or (ii) in a BellSouth relay rack as close to the Rhythms DS0 termination point as possible. For purposes of this section, a common area is defined as an area in the central office in which both Parties have access to a common test access point. BellSouth will cross-connect the splitter data ports to a specified Rhythms DS0 at such time that a Rhythms end user's service is established.

16.2.2 Rhythms Owned Splitters

16.2.2.1 Upon completion of the conditions set forth in 16.2.2.2.1, 16.2.2.2.2, and 16.2.2.2.3, BellSouth (i) shall provide Rhythms with the option of purchasing, installing, and maintaining central office POTS splitters in its collocation arrangements, and (ii) shall enable Rhythms to obtain access to, and provide digital subscriber line services to Rhythms' Customers via, High Frequency Spectrum Network Elements that utilize such splitters.

16.2.2.2 Consistent with this splitter option, the Parties agree to meet collaboratively as often as necessary to resolve the following operational issues, in no event later than September 6 or sooner if possible:

16.2.2.2.1 Maintenance & Repair procedures must be established for locating and resolving voice troubles found to be in Rhythms' equipment or wiring.

16.2.2.2.2 Procedures will be developed for BellSouth's testing of voice circuits that enter Rhythms collocation arrangement.

16.2.2.2.3 COSMOS must be modified to be able to accept two CFA pair assignments from Rhythms when Rhythms orders High Frequency Spectrum. In order for this modification of COSMOS to be completed as quickly as possible, the Parties agree as follows:

16.2.2.2.3.1 By July 6, 2000, Rhythms shall identify for BellSouth the cable pairs in specific central offices that Rhythms intends to use for line sharing; and

16.2.2.2.3.2 BellSouth agrees to complete modifications to COSMOS for these cable pairs by September 6, 2000.

16.2.2.2.3.2.1 If it is not technically feasible for BellSouth to complete these modifications by

September 6, 2000,
BellSouth will use its best efforts to develop a work-around solution that will enable Rhythms to provide its services using High Frequency Spectrum and Rhythms' splitters by September 6, 2000. In the event such a work-around must be developed, BellSouth agrees to work collaboratively with Rhythms to develop said work-around and the Parties shall use their best efforts to develop a work-around that enables BellSouth to access records for maintenance and repair purposes.

16.2.2.3

In the event Rhythms desires to place a splitter in its physical collocation space, and such placement does not require additional cabling, cable racking, or space, BellSouth will not require an application to modify existing collocation space pursuant to Attachment 4 of the Agreement. A splitter, for purposes of this Agreement, is a passive device requiring no power and emitting no heat. Rhythms shall provide BellSouth ten (10) calendar days advance written notice of its intent to place a splitter in its collocation space. Such notice shall include the following: (1) the date Rhythms anticipates commencing the work; and (2) the estimated date of completion. Prior to installation of the splitter, Rhythms or its certified vendor will provide a Methods of Procedure for each affected collocation space. In the event the equipment installed by Rhythms does not comply with Section 16.2.2.4, below, or with applicable provisions of Attachment 4 of the Agreement, BellSouth, upon delivery of written notice to Rhythms, may require Rhythms to remedy such non-compliance. Such remedy may include removal of the equipment installed if such removal is necessary to comply with Section 3.8 of Attachment 4 of the Agreement. BellSouth shall

permit Rhythms a reasonable amount of time to remedy such noncompliance unless such noncompliance is of a character that poses an immediate and substantial threat of damage to property, injury or death to any person.

- 16.2.2.4 Any splitters installed by Rhythms in its collocation arrangements shall comply with ANSI T1.413, Annex E, or any future ANSI splitter standards. BellSouth shall also permit Rhythms to install any splitters in that BellSouth deploys or permits to be deployed for itself or any BellSouth Affiliate.
- 16.2.3 The High Frequency Spectrum shall only be available on loops on which BellSouth is also providing, and continues to provide, analog voice service. In the event the end-user terminates its BellSouth provided voice service for any reason, and Rhythms desires to continue providing xDSL service on such loop, Rhythms shall be required to purchase the full stand-alone loop unbundled network element. In the event BellSouth disconnects the end-user's voice service pursuant to its tariffs or applicable law, and Rhythms desires to continue providing xDSL service on such loop, Rhythms shall be required to purchase the full stand-alone loop unbundled network element.
- 16.2.4 Rhythms and BellSouth shall continue to work together collaboratively to develop systems and processes for provisioning the High Frequency Spectrum in various real life scenarios. BellSouth and Rhythms agree that Rhythms is entitled to purchase the High Frequency Spectrum on a loop that is provisioned over fiber fed digital loop carrier. BellSouth will provide Rhythms with access to feeder subloops at UNE prices. BellSouth and Rhythms will work together to establish methods and procedures for providing Rhythms access to the High Frequency Spectrum over fiber fed digital loop carriers by August 1, 2000.
- 16.2.5 Only one competitive local exchange carrier shall be permitted access to the High Frequency Spectrum of any particular loop.
- 16.2.6 To order High Frequency Spectrum on a particular loop, Rhythms must have a DSLAM collocated in the central office that serves the end-user of such loop. BellSouth will work collaboratively with Rhythms to create a concurrent

process that allows Rhythms to order splitters in central offices where Rhythms is in the process of obtaining collocation space and enables BellSouth to install such splitters before the end of Rhythms' collocation provisioning interval. While that process is being developed, Rhythms may order splitters in a central office once it has installed its Digital Subscriber Line Access Multiplexer ("DSLAM") in that central office. BellSouth will install these splitters within the interval provided in paragraph 16.2.1.

- 16.2.7 For splitters owned by BellSouth (as described in Section 16.2.1 above), BellSouth will devise a splitter order form that allows Rhythms to order splitter ports in increments of 24 or 96 ports.
- 16.2.8 BellSouth will provide Rhythms the Local Service Request ("LSR") format to be used when ordering the High Frequency Spectrum.
- 16.2.9 BellSouth will initially provide access to the High Frequency Spectrum within the following intervals: Beginning on June 6, 2000, BellSouth will return a Firm Order Confirmation ("FOC") in no more than two (2) business days. Once BellSouth implements electronic OSS for High Frequency Spectrum, BellSouth will return a FOC in four (4) hours ninety-five percent (95%) of the time or, for orders that do not flow-through, in forty-eight (48) hours. BellSouth will provide Rhythms with access to the High Frequency Spectrum as follows:
- 16.2.9.1 For 1-5 lines at the same address within three (3) business days from the receipt of Rhythms' LSR; 6-10 lines at same address within 5 business days; and more than 10 lines at the same address is to be negotiated. BellSouth and Rhythms will re-evaluate these intervals on or before August 1, 2000.
- 16.2.10 Rhythms will initially use BellSouth's existing pre-qualification functionality and order processes to pre-qualify line and order the High Frequency Spectrum. Rhythms and BellSouth will continue to work together to modify these functionalities and processes to better support provisioning the High Frequency Spectrum. BellSouth will use its best efforts to make available to Rhythms, by the fourth quarter of 2000, an electronic pre-ordering, ordering,

provisioning, repair and maintenance and billing functionalities for the High Frequency Spectrum.

- 16.2.11 In the event that BellSouth does not deliver, or knows that it will be unable to deliver, the High Frequency Spectrum to Rhythms on the due date, BellSouth will provide jeopardy notices to Rhythms in a timely manner according to processes and procedures to be worked out between BellSouth, Rhythms and other CLECs collaboratively.

16.3 MAINTENANCE AND REPAIR

Rhythms shall have access, for test, repair, and maintenance purposes, to any loop to which it has access to the High Frequency Spectrum. Consistent with the Amendment to the Agreement Between ACI Corp. and BellSouth Telecommunications, Inc. dated January 8, 1999 that became effective on December 13, 1999, Rhythms may access the High Frequency Spectrum at the point where the combined voice and data signal exits the central office splitter on a twenty-four (24) hour per day, seven (7) day per week basis and without the need for a BellSouth escort. Where BellSouth owns the splitter in a physical collocation arrangement, BellSouth shall provide Rhythms with access to splitters on such a basis regardless of where in a central office the splitter is located.

- 16.3.1 BellSouth will be responsible for repairing voice services and the physical line between the network interface device at the customer premise and the Meet Point of demarcation in the central office. Rhythms will be responsible for repairing data services. Each Party will be responsible for maintaining its own equipment.
- 16.3.2 If the problem encountered appears to impact primarily the xDSL service, the end user should call Rhythms. If the problem impacts primarily the voice service, the end user should call BellSouth. If both services are impaired, the recipient of the call should coordinate with the other service provider(s).
- 16.3.3 BellSouth and Rhythms will work together to diagnose and resolve any troubles reported by the end-user and to develop a process for repair of lines as to which Rhythms has access to the High Frequency Spectrum. The Parties will continue to work together to address customer initiated repair requests and other customer impacting maintenance issues to better support unbundling of High Frequency Spectrum.

- 16.3.3.1 The Parties will be responsible for testing and isolating troubles on its respective portion of the loop. Once a Party ("Reporting Party") has isolated a trouble to the other Party's ("Repairing Party") portion of the loop, the Reporting Party will notify the Repairing Party that the trouble is on the Repairing Party's portion of the loop. The Repairing Party will take the actions necessary to repair the loop if it determines a trouble exists in its portion of the loop.
- 16.3.3.2 If a trouble is reported on either Party's portion of the loop and no trouble actually exists, the Repairing Party may charge the Reporting Party for any dispatching and testing (both inside and outside the central office) required by the Repairing Party in order to confirm the loop's working status.
- 16.3.3.3 BellSouth shall cure any troubles reported by Rhythms for the High Frequency Spectrum in the same interval in which BellSouth is required to cure a trouble reported for POTS line.
- 16.3.4 In the event Rhythms' deployment of xDSL on the High Frequency Spectrum significantly degrades the performance of other advanced services or of BellSouth's voice service on the same loop, BellSouth shall notify Rhythms and allow twenty-four (24) hours to cure the trouble. If Rhythms fails to resolve the trouble, BellSouth may discontinue Rhythms' access to the High Frequency Spectrum on such loop.

16.4 PRICING

BellSouth and Rhythms agree to the following negotiated, interim rates for the High Frequency Spectrum. All interim prices will be subject to true up based on either mutually agreed to permanent pricing or permanent pricing established in a line sharing cost proceeding or arbitration conducted by state public utility commissions. In the event interim prices are established by state public utility commissions before permanent prices are established, either through arbitration or some other mechanism, the interim prices established in this Agreement will be changed to reflect the interim prices mandated by the state public utility commissions; however, no true up will be performed until mutually agreed to permanent prices are established or permanent prices are established by state public utility commissions. Once a docket in a particular state in BellSouth's region has been opened to determine permanent prices for the High Frequency Spectrum, BellSouth will provide cost studies for that state for the High

Frequency Spectrum upon Rhythms' written request, within 30 days or such other date as may be ordered by a state commission. All cost related information shall be provided pursuant to a proprietary, non-disclosure agreement negotiated by the Parties.

16.4.1 The interim rates set forth herein were adopted as a result of a compromise between the parties and do not reflect either party's position as to final rates for access to the High Frequency Spectrum.

DESCRIPTION	USOC	RATES BY STATE								
		AL	FL	GA	KY	LA	MS	NC	SC	TN
SYSTEM, SPLITTER - 98 LINE CAPACITY	ULSDA									
Monthly recurring		\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100
Non Recurring - 1st		\$300	\$150	\$300	\$300	\$300	\$300	\$300	\$300	\$300
Non Recurring - Add'l.		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Non Recurring - Disconnect Only		NA	\$150	NA	NA	NA	NA	NA	NA	NA
SYSTEM, SPLITTER - 24 LINE CAPACITY	ULSDB									
Monthly recurring		\$25	\$25	\$25	\$25	\$25	\$25	\$25	\$25	\$25
Non Recurring		\$300	\$150	\$300	\$300	\$300	\$300	\$300	\$300	\$300
Non Recurring - Add'l.		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Non Recurring - Disconnect Only		NA	\$150	NA	NA	NA	NA	NA	NA	NA
LINE ACTIVATION - PER OCCURRENCE	ULSDC									
Monthly recurring - OSS		\$6.00	\$6.00	\$6.00	\$6.00	\$6.00	\$6.00	\$6.00	\$6.00	\$6.00
Non Recurring, C.O. Wiring - 1"		\$40	\$40	\$40	\$40	\$40	\$40	\$40	\$40	\$40
Non Recurring, C.O. Wiring - Add'l.		\$22	\$22	\$22	\$22	\$22	\$22	\$22	\$22	\$22
SUBSEQUENT ACTIVITY - PER OCCURRENCE - Customer requested, C.O. Re-Wiring, etc.	ULSDS									
Non Recurring - 1st		\$30	\$30	\$30	\$30	\$30	\$30	\$30	\$30	\$30
Non Recurring - Add'l.		\$15	\$15	\$15	\$15	\$15	\$15	\$15	\$15	\$15

16.4.2 Any element necessary for interconnection that is not identified above is priced as currently set forth in the Agreement.

2. BellSouth shall make available to Rhythms any agreement for the High Frequency Spectrum entered into between BellSouth and any other CLEC. If Rhythms elects to adopt such agreement, Rhythms shall adopt all rates, terms and conditions relating to the High Frequency Spectrum in such agreement.
3. In the event of a conflict between the terms of this Amendment and the terms of the Interconnection Agreement, the terms of this Amendment shall prevail.

4. All of the other provisions of the Agreement shall remain in full force and effect.
5. Either or both of the Parties is authorized to submit this Amendment to the respective state regulatory authorities for approval subject to Section 252(e) of the Federal Telecommunications Act of 1996.

IN WITNESS WHEREOF, the Parties hereto have caused this Amendment to be executed by their respective duly authorized representatives on the date indicated below.

Rhythms Links Inc.

By: _____

Name: _____

Title: _____

Date: _____

BellSouth Telecommunications, Inc.

By:  _____

Name: Jerry Hendrix

Title: Senior Director

Date: 5/26/00

4. All of the other provisions of the Agreement shall remain in full force and effect.
5. Either or both of the Parties is authorized to submit this Amendment to the respective state regulatory authorities for approval subject to Section 252(e) of the Federal Telecommunications Act of 1996.

IN WITNESS WHEREOF, the Parties hereto have caused this Amendment to be executed by their respective duly authorized representatives on the date indicated below.

Rhythms Links Inc.

BellSouth Telecommunications, Inc.

By: Eric H. Qeis
Name: Eric H. Qeis
Title: Secretary
Date: May 26, 2000

By: _____
Name: Jerry Hendrix
Title: Senior Director
Date: _____

ATTACHMENT 1

CLEC/BellSouth Line Sharing Jointly Developed

Rules for Splitter Allocation

BellSouth is unable to obtain a sufficient number of splitters for placement in all central offices requested by competitive local exchange carriers ("CLECs") by June 6, 2000. As a result of the current shortage of splitters, CLECs and BellSouth developed the following rules for splitter allocation. These rules shall apply until such time as those CLECs participating in the creation of the rules agree that the regular splitter installation rules should apply.

1. There shall be a single CLEC priority list of central offices that shall consist of the Georgia CLEC priority list combined with the priority list from the other states in BellSouth's nine-state region (the "Priority List"). This priority list shall be used for filling orders; it shall determine the order in which splitters will be deployed in those central offices for which splitters have been ordered. Georgia central offices (CO) will have priority over other state's COs.
2. During the allocation period, a CLEC may order 24 ports or 96 ports. In either event, BellSouth shall install a 96 port splitter in accordance with the Priority List. However, during the allocation period, in the event a CLEC orders 96 ports, BellSouth will only allocate 24 ports of the 96 port splitter to the first CLEC that orders a splitter for that central office, thus creating a backlog of 72 ports that have already been ordered by that CLEC ("Backlog"). In the event of a Backlog, BellSouth will charge CLEC a monthly recurring charge appropriate for the number of ports allocated to CLEC. In addition, if CLEC requested a 96 port splitter, it shall pay a non-recurring charge for a 96 port splitter, but shall pay no non-recurring charges when additional ports are added to alleviate the Backlog.
3. BellSouth will allocate, on a first-come/first-served basis, the remaining 72 ports of the splitter (in blocks of 24 ports) to the other CLECs that place an order for a splitter at that same central office.

Orders Submitted by April 28, 2000 with Due Date of June 6, 2000 or Sooner

4. A firm order for a splitter issued to the BellSouth Complex Resale Support Group (CRSG) on or by April 28, 2000, with due date of June 6, 2000, or sooner, will be given priority over orders received after April 28, 2000. Orders for the first 200 splitters received prior to April 28, 2000, will be installed on or before June 5, 2000, and shall be installed in accordance with the priority list. The first 25 splitter orders shall be installed no later than May 22, 2000.

5. In the event CLECs submit to BellSouth more than 200 splitter orders on or before April 28, 2000, BellSouth shall install fifty (50) splitters a week each week after June 5, 2000.
6. In the event there are more than four (4) orders submitted on or before April 28, 2000, for a splitter at a particular central office, a second splitter will be installed at that central office in accordance with the Priority List.
7. Backlogs associated with orders submitted on or before April 28, 2000 will be fulfilled in their entirety before any orders received after April 28, 2000 are worked. In fulfilling a Backlog, the CLEC's additional ports may not be on the same shelf as the initial 24 ports.

Orders Received after April 28, 2000

8. Irrespective of the Priority List, no orders received after April 28, 2000 will be worked until after all orders received on or before April 28, 2000 have been completed.
9. Once all orders received on or before April 28, 2000 have been worked in their entirety, orders received after April 28, 2000 will have a minimum interval of forty-two (42) calendar days from date of receipt.

Orders Submitted with Due Dates After June 6, 2000

10. Any order submitted on or before April 28, 2000, with a due date of after June 6, 2000, will be completed according to the due date provided there is available inventory and all orders with a due date of June 6, 2000 or earlier have been completed.

Georgia Rating/Ranking of Central Offices for Line Sharing

March 9, 2000

Rhythms, Covad, NorthPoint, New
Edge

CLLI Combined Ranking

MRTTGAMA	1
RSWLGAMA	2
ATLNGABU	3
ATLNGAPP	4
DLTHGAHS	5
ATLNGASS	6
CHMBGAMA	7
AGSTGAU	8
LRVLGAOS	9
MRTTGAEA	10
SMYRGAMA	11
LLBNGAMA	12
WDSTGACR	13
ATHNGAMA	14
AGSTGAFL	15
AGSTGATH	16
JNBOGAMA	17
NRCRGAMA	18
ATLNGATH	19
ALPRGAMA	20
DNWDGAMA	21
CMNGGAMA	22
AGSTGAMT	23
ALBYGAMA	24
GSVLGAMA	25
SNLVGAMA	26
ATLNGAIC	27
ATLNGAEP	28
TUKRGAMA	29
ROMEGATL	30
VLDGAMA	31
MACNGAMT	32
ASTLGAMA	33
SMYRGAPF	34
DGVLGAMA	35
ATLNGAEL	36
SNMTGALR	37
CNYRGAMA	38
MACNGAVN	39
WRRBGAMA	40
NWNINGAMA	41

ATLNGAWD	42
GRFNGAMA	43
PANLGAMA	44
BUFRGABH	45
ATLNGACD	48
MACNGAGP	47
SVNHGABS	48
ATLNGACS	49
PTCYGAMA	50
RVDLGAMA	51
STBRGANH	52
MCDNGAGS	53
ATLNGAWE	54
SVNHGADE	55
SVNHGAWB	56
ATLNGAGR	57
ATLNGAAD	58
CRVLGAMA	59
ACWOGAMA	60
ATLNGABH	61
FYVLGASG	62
SVNHGAGC	63
SVNHGAWI	64
ATLNGAFP	65
ATLNGAHR	66
PWSPGAAS	67
CRTNGAMA	68
ATLNGALA	69
MRRWGAMA	70
CLMBGAMT	71
CLMBGAMW	72
LTHNGAJS	73
CVTNGAMT	74
DLLSGAES	75
FRBNGAEB	76
CLMBGABV	77
BRWKGAMA	78
ATLNGAQS	79
CNTNGAXB	80
LGVLGACS	81
SSISGAES	81

BellSouth Central Offices (All states excluding GA)

Ref. #	CLLI	State	Combined CLEC Rank
312	PRRNFLMA	FL	1
1330	MMPHTNBA	TN	2
1362	NSVLTNMT	TN	3
202	GSVLFLNW	FL	4
1	ALBSALMA	AL	5
13	BRHMALCH	AL	6
268	MLBRFLMA	FL	7
1337	MMPHTNMA	TN	8
285	ORLDFLAP	FL	9
1335	MMPHTNGT	TN	10
208	HLWDFLPE	FL	11
289	ORLDFLPH	FL	12
1333	MMPHTNEL	TN	13
324	STRTFLLMA	FL	14
14	BRHMALCP	AL	15
15	BRHMALEL	AL	16
1141	CLMASCNS	SC	17
1240	CHTGTNNS	TN	18
1339	MMPHTNOA	TN	19
1073	RLGHNCNS	NC	20
299	PMBHFLCS	FL	21
698	NWORLASW	LA	22
1354	NSVLTNBW	TN	23
1309	KNVLTNMA	TN	24
16	BRHMALEN	AL	25
17	BRHMALEW	AL	26
1345	MRBOTNMA	TN	27
1364	NSVLTNUN	TN	28
623	KNNRLABR	LA	29
984	CARYNCCE	NC	30
333	WPBHFLGA	FL	31
1356	NSVLTNCH	TN	32
1363	NSVLTNST	TN	33
429	LSVLKYAP	KY	34
20	BRHMALHW	AL	35
21	BRHMALMT	AL	36
638	LFYTLAMA	LA	37
1306	KNTNTNMA	TN	38
693	NWORLAMT	LA	39
149	BCRTFLMA	FL	40
150	BCRTFLSA	FL	41
1340	MMPHTNSL	TN	42
1338	MMPHTNMT	TN	43
307	PNSCFLFP	FL	44
22	BRHMALOM	AL	45
23	BRHMALOX	AL	46
176	DYBHFLMA	FL	47

1352	NSVLTNAP	TN	48
1332	MMPHTNCT	TN	49
334	WPBHFLGR	FL	50
249	MIAMFLCA	FL	51
732	SLIDLAMA	LA	52
1307	KNVLTNBE	TN	53
64	MTGMALDA	AL	54
24	BRHMALRC	AL	55
26	BRHMALVA	AL	56
196	FTPRFLMA	FL	57
1272	FKLNTNMA	TN	58
695	NWORLARV	LA	59
1019	GNBONCAS	NC	60
1068	RLGHNCGL	NC	61
692	NWORLAMR	LA	62
1310	KNVLTNWH	TN	63
179	DYBHFLPO	FL	64
34	BSMRALMA	AL	65
148	BCRTFLBT	FL	66
233	JPTRFLMA	FL	67
1357	NSVLTNDO	TN	68
697	NWORLASK	LA	69
189	FTLDFLJA	FL	70
262	MIAMFLRR	FL	71
288	ORLDFLPC	FL	72
1361	NSVLTNMC	TN	73
667	MONRLAMA	LA	74
664	MNFDLAMA	LA	75
157	BYBHFLMA	FL	76
170	DLBHFLKP	FL	77
554	BTRGLAGW	LA	78
1237	CHTGTNDT	TN	79
232	JCVLFLWC	FL	80
253	MIAMFLHL	FL	81
988	CHRLNCCE	NC	82
431	LSVLKYBR	KY	83
1353	NSVLTNBV	TN	84
1158	FLRNSCMA	SC	85
171	DLBHFLMA	FL	86
174	DRBHFLMA	FL	87
1323	MAVLTNMA	TN	88
1358	NSVLTNGH	TN	89
230	JCVLFLSJ	FL	90
301	PMBHFLMA	FL	91
265	MIAMFLWD	FL	92
287	ORLDFLMA	FL	93
1366	NSVLTNWM	TN	94
164	COCOFLLMA	FL	95
187	FTLDFLCR	FL	96
188	FTLDFLCY	FL	97
330	VRBHFLMA	FL	98
1280	GDVLTNMA	TN	99

696	NWORLASC	LA	100
264	MIAMFLSO	FL	101
989	CHRLNCCR	NC	102
683	NWORLAAR	LA	103
1311	KNVLTNYH	TN	104
557	BTRGLAMA	LA	105
190	FTLDFLMR	FL	106
191	FTLDFLOA	FL	107
1250	CLVLTNMA	TN	108
987	CHRLNCCA	NC	109
430	LSVLKYBE	KY	110
338	WPBHFLRP	FL	111
271	MNDRFLLO	FL	112
229	JCVLFLRV	FL	113
1020	GNBONCEU	NC	114
306	PNSCFLBL	FL	115
192	FTLDFLPL	FL	116
194	FTLDFLSU	FL	117
1236	CHTGTNBR	TN	118
986	CHRLNCBO	NC	119
687	NWORLACM	LA	120
1004	CPHLNCRO	NC	121
209	HLWDFLWH	FL	122
1341	MMPHTNST	TN	123
996	CHRLNCSH	NC	124
848	JCSNMSCP	MS	125
195	FTLDFLWN	FL	126
206	HLWDFLHA	FL	127
969	AHVLNCOH	NC	128
995	CHRLNCRE	NC	129
227	JCVLFLNO	FL	130
442	LSVLKYWE	KY	131
1069	RLGHNCHO	NC	132
436	LSVLKYOA	KY	133
992	CHRLNCLP	NC	134
356	BWLGKYMA	KY	135
207	HLWDFLMA	FL	136
218	JCBHFLMA	FL	137
305	PNCYFLMA	FL	138
1022	GNBONCLA	NC	139
220	JCVLFLAR	FL	140
335	WPBHFLHH	FL	141
319	SNFRFLMA	FL	142
439	LSVLKYSM	KY	143
222	JCVLFLCL	FL	144
90	TSCLALMT	AL	145
221	JCVLFLBW	FL	146
223	JCVLFLFC	FL	147
1247	CLEVTNMA	TN	148
201	GSVLFLMA	FL	149
691	NWORLAMC	LA	150
300	PMBHFLFE	FL	151

293	OVIDFLCA	FL	152
594	FKTNLAMA	LA	153
231	JCVLFLSM	FL	154
66	MTGMALMT	AL	155
243	MIAMFLAE	FL	156
245	MIAMFLAP	FL	157
99	DCTRALMT	AL	158
217	JCBHFLAB	FL	159
286	ORLDFLCL	FL	160
1102	WNSLNCVI	NC	161
428	LSVLKYAN	KY	162
981	BURLNCDA	NC	163
59	MOBLALSH	AL	164
314	PTSLFLMA	FL	165
246	MIAMFLBA	FL	166
248	MIAMFLBR	FL	167
123	HNVIALMT	AL	168
19	BRHMALFS	AL	169
690	NWORLAMA	LA	170
1287	HDVLTNMA	TN	171
290	ORLDFLSA	FL	172
1028	GSTANCSO	NC	173
52	MOBLALAZ	AL	174
1211	SUVLSCMA	SC	175
251	MIAMFLFL	FL	176
252	MIAMFLGR	FL	177
1131	CHTNSCWA	SC	178
54	MOBLALOS	AL	179
75	PNSNALMA	AL	180
1058	MTOLNCCE	NC	181
1070	RLGHNCJO	NC	182
1099	WNSLNCFI	NC	183
124	HNVIALPW	AL	184
472	OWBOKYMA	KY	185
254	MIAMFLIC	FL	186
1125	CHTNSCDP	SC	187
255	MIAMFLKE	FL	188
1140	CLMASC SH	SC	189
441	LSVLKYVS	KY	190
311	PNVDFLMA	FL	191
277	NDADFLBR	FL	192
1312	LBNNTNMA	TN	193
1166	GNVLSCDT	SC	194
281	NSBHFLMA	FL	195
256	MIAMFLME	FL	196
257	MIAMFLNM	FL	197
558	BTRGLAOH	LA	198
1126	CHTNSCDT	SC	199
33	BSMRALHT	AL	200
337	WPBHFLRB	FL	201
291	ORPKFLMA	FL	202
997	CHRLNCTH	NC	203

1169	GNVLSWWR	SC	204
327	TTVFLMA	FL	205
260	MIAMFLPB	FL	206
261	MIAMFLPL	FL	207
849	JCSNMSMB	MS	208
1188	MNPLSCES	SC	209
577	CVTNLAMA	LA	210
279	NDADFLOL	FL	211
998	CHRLNCUN	NC	212
1071	RLGHNCMO	NC	213
1130	CHTNSCNO	SC	214
310	PNSCFLWA	FL	215
276	NDADFLAC	FL	216
266	MIAMFLWM	FL	217
177	DYBHFLOB	FL	218
1138	CLMASCSA	SC	219
686	NWORLACA	LA	220
1067	RLGHNCGA	NC	221
336	WPBHFLLE	FL	222
624	KNNRLAHN	LA	223
1207	SPBGSCMA	SC	224
1080	SLBRNCMA	NC	225
278	NDADFLGG	FL	226
302	PMBHFLTA	FL	227
1143	CLMASCSW	SC	228
440	LSVLKYTS	KY	229
1257	CRHTNMA	TN	230
28	BRHMALWL	AL	231
435	LSVLKYJT	KY	232
639	LFYTLAVM	LA	233
332	WPBHFLAN	FL	234
1369	OKRGTNMT	TN	235
126	HNVIALUN	AL	236
438	LSVLKYSL	KY	237
483	PMBRKYMA	KY	238
292	ORPKFLRW	FL	239
559	BTRGLASB	LA	240
729	SHPTLAMA	LA	241
433	LSVLKYFC	KY	242
432	LSVLKYCW	KY	243
1300	JCSNTNMA	TN	244
581	BTRGLAWN	LA	245
1101	WNSLNCLE	NC	246
1277	GALLTNMA	TN	247
556	BTRGLAIS	LA	248
726	SHPTLABS	LA	249
689	NWORLALK	LA	250
1254	CNVLTNMA	TN	251
642	LKCHLADT	LA	252
727	SHPTLAEL	LA	253
1388	SMYRTNMA	TN	254
1262	DKSNTNMT	TN	255

728	SHPTLAHD	LA	256
1031	HNVLCCH	NC	257
971	APEXNCCE	NC	258
990	CHRLNCDE	NC	259
1346	MRTWTNMA	TN	260
852	JCSNMSRW	MS	261
1394	SPFDTNMA	TN	262
865	MNVLLAMA	LA	263
1023	GNBONCMC	NC	264
1106	AIKNSCMA	SC	265
991	CHRLNCER	NC	266
1072	RLGHNCSE	NC	267
845	LKCHLAUN	LA	268
1045	LNTNNCMA	NC	269
283	MIAMFLSH	FL	270
1017	GLBONCMA	NC	271
1308	KNVLTNFC	TN	272
1135	CLMASCCH	SC	273
1100	WNSLNCGL	NC	274
824	GLPTMSTS	MS	275
258	MIAMFLNS	FL	276
67	MTGMALNO	AL	277
259	MIAMFLOL	FL	278
1398	SVVLTNMT	TN	279
993	CHRLNCMI	NC	280
1085	SSVLCMA	NC	281
982	BURLNCEL	NC	282
731	SHPTLASG	LA	283
1024	GNBONCPG	NC	284
74	PHCYALMA	AL	285
244	MIAMFLAL	FL	286
296	PCBHLNT	FL	287
1037	KNDLNCCE	NC	288
165	COCOFLME	FL	289
434	LSVLKYHA	KY	290
838	HTBGMSMA	MS	291
1078	SELMNCMA	NC	292
60	MOBLALSK	AL	293
1009	DVSNNCPO	NC	294
582	DNSPLAMA	LA	295
1098	WNSLNCCL	NC	296
10	AUBNALMA	AL	297
1083	SRFDNCCE	NC	298
399	FRFTKYMA	KY	299
247	MIAMFLBC	FL	300
1248	CLMATNMA	TN	301
1018	GNBONCAP	NC	302
1136	CLMASCDF	SC	303
1105	ZBLNNCCE	NC	304
321	STAGFLMA	FL	305
1096	WNDLNCPI	NC	306
846	JCSNMSBL	MS	307

11	BLFNALMA	AL	308
427	LSVLKY26	KY	309
193	FTLDFLSG	FL	310
1242	CHTGTNRO	TN	311
212	HMSTFLNA	FL	312
159	CCBHFLMA	FL	313
985	CARYNCWS	NC	314
560	BTRGLASW	LA	315
295	PAHKFLMA	FL	316
1133	CLMASCAR	SC	317
250	MIAMFLDB	FL	318
122	HNVIALW	AL	319
1066	RLGHNCU	NC	320
1142	CLMASCSU	SC	321
210	HMSTFLEA	FL	322
154	BLGLFLMA	FL	323
1258	CRVLTNMA	TN	324
851	JCSNMSPC	MS	325
1241	CHTGTNRB	TN	326
1053	MGTNNCGR	NC	327
89	TSCALDH	AL	328
ADD	HNVIALRA	AL	329
730	SHPTLAQB	LA	330
978	BOONNCKI	NC	331
839	HTBGMSWE	MS	332
8	ATHNALMA	AL	333
610	HMNDLAMA	LA	334
874	MDSNMSES	MS	335
71	OPLKALMT	AL	336
769	BILXMSED	MS	337
269	MLTNFLRA	FL	338
1301	JCSNTNNS	TN	339
55	MOBLALPR	AL	340
552	BTRGLABK	LA	341
847	JCSNMSCB	MS	342
437	LSVLKYSH	KY	343
1129	CHTNSCLB	SC	344
492	RCMDKYMA	KY	345
411	HNSNKYMA	KY	346
1040	LENRNCHA	NC	347
1190	NAGSSCMA	SC	348
77	PRVLALMA	AL	349
213	HTISFLMA	FL	350
972	ARDNNCCE	NC	351
200	GLBRFLMC	FL	352
823	GLPTMSLY	MS	353
315	PTSLFLSO	FL	354
51	MOBLALAP	AL	355
1127	CHTNSCJM	SC	356
893	OCSPMSGO	MS	357
91	TSCALALNO	AL	358
317	SBSTFLMA	FL	359

527	WNCHKYMA	KY	360
58	MOBLALSF	AL	361
1239	CHTGTNMV	TN	362
1016	GLBONCAD	NC	363
770	BILXMSMA	MS	364
1400	TLLHTNMA	TN	365
109	FRHPALMA	AL	366
1368	NWPTTNMT	TN	367
56	MOBLALSA	AL	368
666	MONRLADS	LA	369
668	MONRLAWM	LA	370
57	MOBLALSE	AL	371
404	GRTWKYMA	KY	372
970	AHVLNCOT	NC	373
1385	SHVLTNMA	TN	374
780	BRNDMSES	MS	375
1414	WNCHTNMA	TN	376
1347	MSCTTNMT	TN	377
1315	LNCYTNMA	TN	378
240	LYHNFLOH	FL	379
1374	PLSKTNMA	TN	380
1317	LRGBTNMA	TN	381
555	BTRGLAHR	LA	382
294	PACEFLPV	FL	383
850	JCSNMSNR	MS	384
1243	CHTGTNSE	TN	385
204	HBSDFLMA	FL	386
1319	LXTNTNMA	TN	387
1343	MNCHTNMA	TN	388
1249	CLTNTNMA	TN	389
322	STAGFLSH	FL	390
1041	LENRNCHU	NC	391
308	PNSCFLHC	FL	392
1285	GTBGTNMT	TN	393
968	AHVLNCBI	NC	394
1238	CHTGTNHT	TN	395
304	PNCYFLCA	FL	396

EXHIBIT TGW – 16

High Frequency Spectrum Network Element

3. High Frequency Spectrum Network Element

3.1 General

3.1.1 BellSouth shall provide CLEC-1 access to the high frequency portion of the local loop as an unbundled network element only where BellSouth is the voice service provider to the end user ("High Frequency Spectrum") at the rates set forth in Exhibit C. BellSouth shall provide CLEC-1 with the High Frequency Spectrum irrespective of whether BellSouth chooses to offer xDSL services on the loop.

3.1.2 The High Frequency Spectrum is defined as the frequency range above the voiceband on a copper loop facility carrying analog circuit-switched voiceband transmissions. Access to the High Frequency Spectrum is intended to allow CLEC-1 the ability to provide Digital Subscriber Line ("xDSL") data services to the end user for which BellSouth provides voice services. The High Frequency Spectrum shall be available for any version of xDSL presumed acceptable for deployment pursuant to 47 CFR Section 51.230, including, but not limited to, ADSL, HDSL, and any other xDSL technology that is presumed to be acceptable for deployment pursuant to FCC rules. BellSouth will continue to have access to the low frequency portion of the loop spectrum (from 300 Hertz to at least 3000 Hertz, and potentially up to 3400 Hertz, depending on equipment and facilities) for the purposes of providing voice service. CLEC-1 shall only use xDSL technology that is within the PSD mask parameters set forth in T1.413 or other applicable industry standards. CLEC-1 shall provision xDSL service on the High Frequency Spectrum in accordance with the applicable Technical Specifications and Standards.

3.1.3 The following loop requirements are necessary for CLEC-1 to be able to access the High Frequency Spectrum: an unconditioned, 2-wire copper loop. An unconditioned loop is a copper loop with no load coils, low-pass filters, range extenders, DAMLs, or similar devices and minimal bridged taps consistent with ANSI T1.413 and T1.601. BellSouth will provide CLEC-1 access to the Unbundled Loop Modification (Line Conditioning), in accordance with Section 2.2 of this Agreement. BellSouth is not required to condition a loop for access to the high frequency spectrum if conditioning of that loop significantly degrades BellSouth's voice service. If CLEC-1 requests that BellSouth condition a loop longer than 18,000 ft. and such conditioning significantly degrades the voice services on the loop, CLEC-1 shall pay for the loop to be restored to its original state.

3.1.4 CLEC-1's termination point is the point of termination for CLEC-1 on the toll main distributing frame in the central office ("Termination Point"). BellSouth will use jumpers to connect CLEC-1's connecting block to the splitter. The

splitter will route the High Frequency Spectrum on the circuit to CLEC-1's xDSL equipment in CLEC-1's collocation space.

- 3.1.5 CLEC-1 shall have access to the splitter for test purposes, irrespective of where the splitter is placed in the BellSouth premises.
- 3.2 Provisioning of High Frequency Spectrum and Splitter Space
 - 3.2.1 BellSouth will provide CLEC-1 with access to the High Frequency Spectrum as follows:
 - 3.2.1.1 BellSouth will install splitters within forty-two (42) calendar days of CLEC-1's submission of such order to the BellSouth Complex Resale Support Group; provided, however, that in the event BellSouth did not have reasonable notice that a particular central office was to have a splitter installed therein, the forty-two (42) day interval shall not apply. Collocation itself or an application for collocation will serve as reasonable notice.
 - 3.2.1.2 Once a splitter is installed on behalf of CLEC-1 in a central office, CLEC-1 shall be entitled to order the High Frequency Spectrum on lines served out of that central office.
 - 3.2.1.2.1 BellSouth will bill and CLEC-1 shall pay the SOMAN and SOMEK charges as described in Section 2.13 of this Agreement when CLEC-1 orders High Frequency Spectrum for end-user service.
 - 3.2.1.3 BellSouth will select, purchase, install, and maintain a central office POTS splitter and provide CLEC-1 access to data ports on the splitter. At least 30 days before making a change in splitter suppliers, BellSouth will provide CLEC-1 with a carrier notification letter, informing CLEC-1 of change. CLEC-1 shall purchase ports on the splitter as set forth more fully below.
 - 3.2.1.4 BellSouth will install the splitter in (i) a common area close to the CLEC-1 collocation area, if possible; or (ii) in a BellSouth relay rack as close to the CLEC-1 DS0 termination point as possible. For purposes of this section, a common area is defined as an area in the central office in which both Parties have access to a common test access point. BellSouth will cross-connect the splitter data ports to a specified CLEC-1 DS0 at such time that a CLEC-1 end user's service is established.
 - 3.2.1.5 The High Frequency Spectrum shall only be available on loops on which BellSouth is also providing, and continues to provide, analog voice service directly to the end user. In the event the end-user terminates its BellSouth provided voice service for any reason, and CLEC-1 desires to continue providing xDSL service on such loop, CLEC-1 shall be required to purchase a full stand-alone loop unbundled network element. In the event BellSouth disconnects the

end-user's voice service pursuant to its tariffs or applicable law, and CLEC-1 desires to continue providing xDSL service on such loop, CLEC-1 shall be permitted to continue using the line by purchasing the full stand-alone loop unbundled network element. To the extent commercially practicable, BellSouth shall give CLEC-1 notice in a reasonable time prior to disconnect, which notice shall give CLEC-1 an adequate opportunity to notify BellSouth of its intent to purchase such loop. In those cases in which BellSouth no longer provides voice service to the end user and CLEC-1 purchases the full stand-alone loop, CLEC-1 may elect the type of loop it will purchase. CLEC-1 will pay the appropriate recurring and non-recurring rates for such loop as set forth in Exhibit C to this Attachment. In the event CLEC-1 purchases a voice grade loop, CLEC-1 acknowledges that such loop may not remain xDSL compatible.

- 3.2.1.6 Only one competitive local exchange carrier shall be permitted access to the High Frequency Spectrum of any particular loop.
- 3.3 Ordering
 - 3.3.1 To order High Frequency Spectrum on a particular loop, CLEC-1 must have a DSLAM collocated in the central office that serves the end-user of such loop. CLEC-1 may order splitters in a central office once it has installed its Digital Subscriber Line Access Multiplexer ("DSLAM") in that central office. BellSouth will install these splitters within the interval provided in paragraph 3.2.1.1.
 - 3.3.2 BellSouth will devise a splitter order form that allows CLEC-1 to order splitter ports in increments of 24 ports.
 - 3.3.2.1 BellSouth will provide CLEC-1 the Local Service Request ("LSR") format to be used when ordering the High Frequency Spectrum.
 - 3.3.3 BellSouth will provide access to the High Frequency Spectrum within the following target intervals: BellSouth will return a manual Firm Order Confirmation ("FOC") in no more than two (2) business days after receipt of a valid, error free manual LSR. When CLEC-1 submits an electronic LSR for High Frequency Spectrum, BellSouth will return a FOC in four (4) hours ninety-five percent (95%) of the time, or, for orders that do not flow-through, in two (2) business days. BellSouth will provide CLEC-1 with access to the High Frequency Spectrum at the following target intervals:
 - 3.3.3.1 For 1-5 lines at the same address within three (3) business days from BellSouth's issuance of a FOC; 6-10 lines at same address within 5 business days from BellSouth's issuance of a FOC; and more than 10 lines at the same address is to be negotiated.
 - 3.3.4 BellSouth will provide to CLEC-1 BellSouth's Loop Qualification System that BellSouth uses to qualify loops for its own ADSL offering as described below.

3.3.5 BellSouth will provide CLEC-1 access to the Preordering Loop Makeup (LMU), in accordance with Section 2.14 of this Agreement. BellSouth shall bill and CLEC-1 shall pay the rates for such services, as described in Exhibit C.

3.4 **Maintenance and Repair**

3.4.1 CLEC-1 shall have access, for test, repair, and maintenance purposes, to any loop as to which it has access to the High Frequency Spectrum. CLEC-1 may access the loop at the point where the combined voice and data signal exits the central office splitter.

3.4.2 BellSouth will be responsible for repairing voice services and the physical line between the network interface device at the customer's premises and the Termination Point of demarcation in the central office. CLEC-1 will be responsible for repairing data services. Each Party will be responsible for maintaining its own equipment.

3.4.3 CLEC-1 shall inform its end users to direct data problems to CLEC-1, unless both voice and data services are impaired, in which event the end users should call BellSouth.

3.4.4 Once a Party has isolated a trouble to the other Party's portion of the loop, the Party isolating the trouble shall notify the end user that the trouble is on the other Party's portion of the loop.

3.4.5 In the event CLEC-1's deployment of xDSL on the High Frequency Spectrum significantly degrades the performance of other advanced services or of BellSouth's voice service on the same loop, BellSouth shall notify CLEC-1 and allow twenty-four (24) hours to cure the trouble. If CLEC-1 fails to resolve the trouble, BellSouth may discontinue CLEC-1's access to the High Frequency Spectrum on such loop.

3.5 **Rates**

The prices that CLEC-1 shall pay to BellSouth for Network Elements and Other Services are set forth in Exhibit C to this Attachment. If CLEC-1 purchases a service(s) from a tariff, all terms and conditions and rates as set forth in such tariff shall apply.

3.6 **Operational Support Systems (OSS)**

The terms, conditions and rates for OSS are as set forth in Section 2.13 of this Attachment.

EXHIBIT TGW - 17

CO-Based Line Sharing Functional Block Diagram

CO-Based Line Sharing Functional Block Diagram

TGW-17

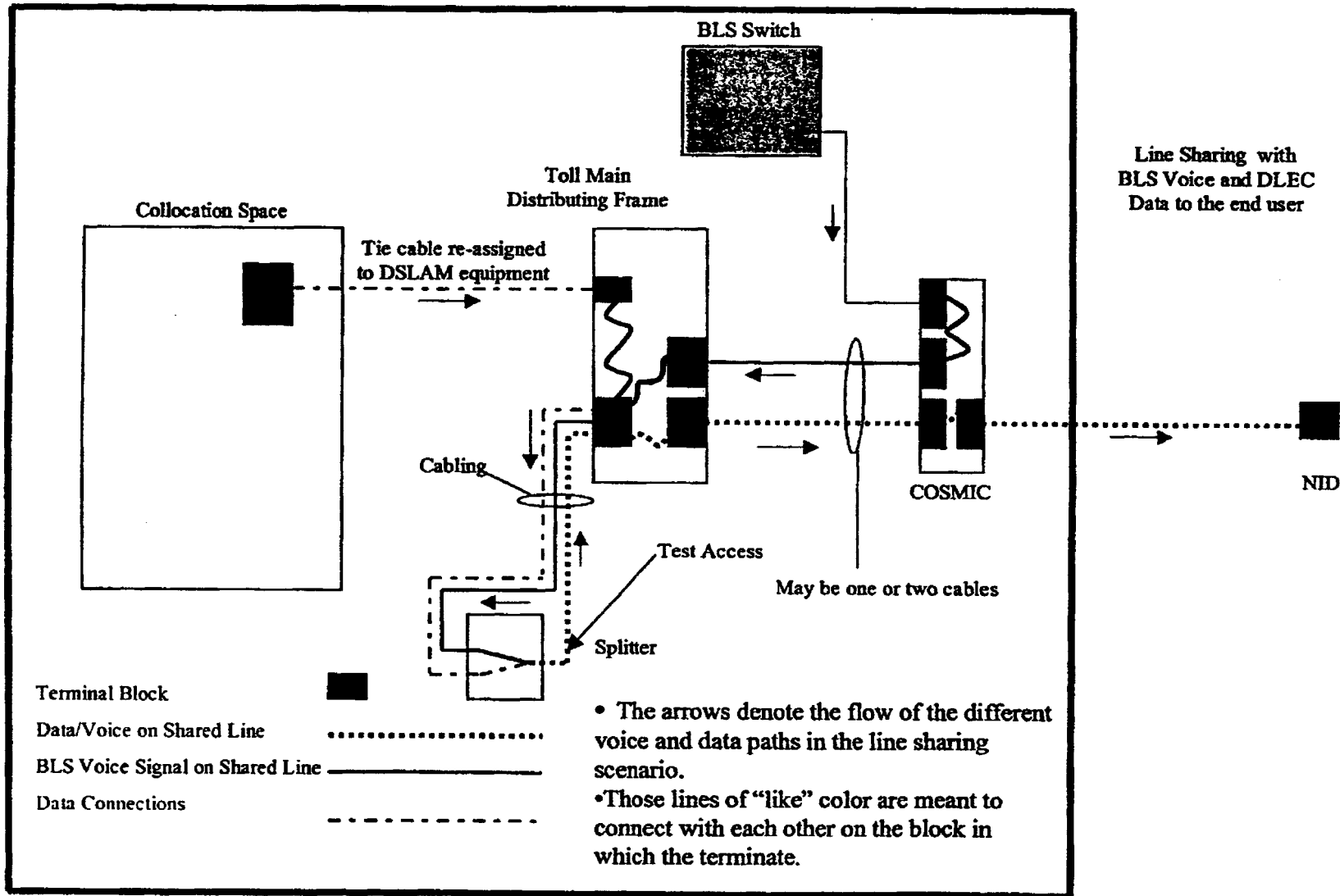


EXHIBIT TGW - 18

**CO-Based Line Sharing Functional Block Diagram with
Splitter Located in CLEC Space**

CO-Based Line Sharing Functional Block Diagram With Splitter Located in CLEC Space

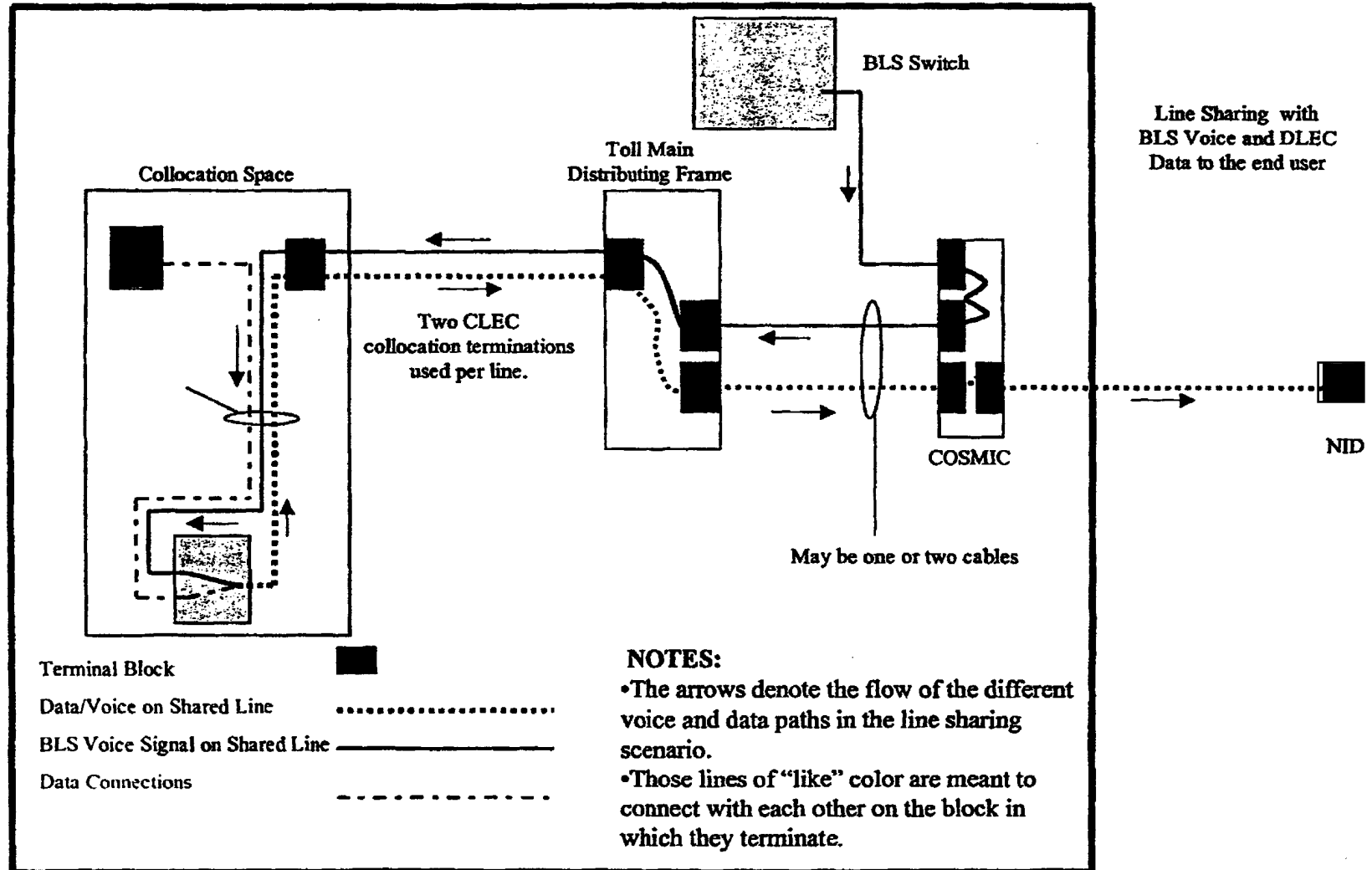
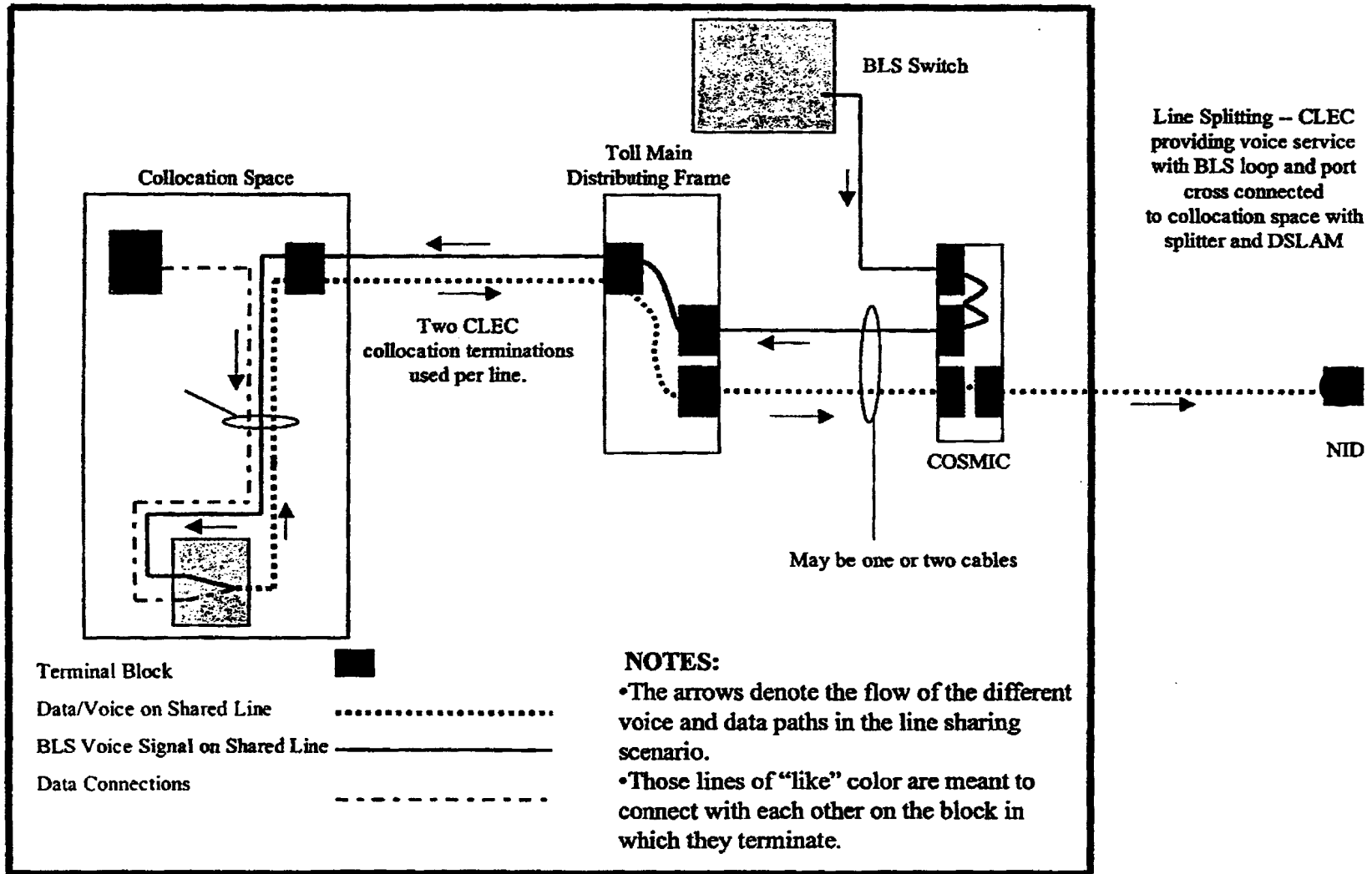


EXHIBIT TGW – 19

CO-Based Line Splitting Functional Block Diagram

CO-Based Line Splitting Functional Block Diagram



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BELLSOUTH TELECOMMUNICATIONS, INC.
DIRECT TESTIMONY OF DAVID P. SCOLLARD
BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION
DOCKET NO. 960786-TP
MAY 31, 2001

Q. PLEASE STATE YOUR NAME, ADDRESS, AND POSITION WITH
BELLSOUTH TELECOMMUNICATIONS, INC.

A. I am David P. Scollard, Room 28A1, 600 N. 19th St., Birmingham, AL 35203.
My current position is Manager, Wholesale Billing at BellSouth Billing, Inc., a
wholly owned subsidiary of BellSouth Telecommunications, Inc. In that role, I
am responsible for overseeing the implementation of various changes to
BellSouth's Customer Records Information System ("CRIS") and Carrier
Access Billing System ("CABS").

Q. PLEASE SUMMARIZE YOUR BACKGROUND AND EXPERIENCE.

A. I graduated from Auburn University with a Bachelor of Science Degree in
Mathematics in 1983. I began my career at BellSouth as a Systems Analyst
within the Information Technology Department with responsibility for
developing applications supporting the Finance organization. I have served in a
number of billing system design and billing operations roles within the billing
organization. Since I assumed my present responsibilities, I have overseen the
progress of a number of billing system revision projects such as the billing of

1 unbundled network elements (“UNEs”), as well as the development of billing
2 solutions in support of new products offered to end user customers. I am
3 familiar with the billing services provided by BellSouth Telecommunications
4 to local competitors, interexchange carriers and retail end user customers.

5

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

9

10 A. I have testified before the state Public Service Commissions in Alabama,
11 Florida, Georgia, Kentucky, Louisiana, Mississippi, South Carolina, the
12 Tennessee Regulatory Authority, and the Utilities Commission in North
13 Carolina on issues regarding the capabilities of the systems used by BellSouth
14 to bill for services provided to retail customers, Interexchange Carriers (IXCs)
15 as well as Alternative Local Exchange Companies (ALECs).

16

17 Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY IN THIS
18 PROCEEDING?

19

20 A. The purpose of my testimony is to address the issues set forth by the Florida
21 Public Service Commission (the Commission) in this proceeding dealing with
22 the capabilities of the systems used by BellSouth to bill ALECs.

23

24 Q. IDENTIFY THE SYSTEMS BELL SOUTH USES TO PROVIDE BILLING
25 TO ALECS FOR SERVICES ORDERED FROM BELL SOUTH.

1

2 A. The systems BellSouth uses to provide bills to ALECs have no meaningful
3 differences from those used to provide bills to its retail and interexchange
4 access customers. The systems BellSouth uses to accumulate, rate and format
5 ALEC billing transactions vary depending on the services being ordered. If an
6 ALEC orders a service for resale, the service request is channeled to CRIS to
7 maintain a record for the ALEC of the services that BellSouth has provided.
8 Likewise, usage events (toll calls, local calls, vertical service activations that
9 are billed on a per use basis, etc.) associated with the resold services are also
10 sent through CRIS.

11

12 For facilities-based ALECs, CRIS is used to maintain a record of service
13 requests and resulting billing transactions for unbundled switch ports and
14 unbundled loops (service level 1 loops). Service requests for all other UNEs
15 and interconnection services are channeled through CABS. Therefore, all of the
16 billing transactions related to all other UNEs and interconnection services are
17 accumulated in CABS for preparing bills to the ALEC.

18

19 These two systems (CRIS and CABS) are the same systems used to bill
20 BellSouth retail customers and interexchange carriers for the services provided
21 by BellSouth. Regardless of which of the two systems are being used,
22 BellSouth performs the same billing processes to prepare an invoice for an
23 ALEC as it does for a retail customer.

24

25 Q. GENERALLY, HOW DOES THE BILLING PROCESS WORK?

1

2 A. Any billing process is designed to perform two basic functions. First, there are
3 the daily processes that are performed to input customer transactions, edit them
4 and prepare them as much as possible for creation of the bill. The types of daily
5 transactions accumulated and processed in CRIS and CABS are quite
6 numerous but generally include service orders (which provide information
7 about customer order activity), switch recordings (which provide records of
8 billable call events), payments received from customers, and other
9 miscellaneous types of transactions such as adjustments for previously billed
10 amounts. Second, at the end of each bill period (generally each month) the
11 events for a given customer are extracted, formatted in a manner that is
12 expected by the customer and distributed either via some type of postal carrier
13 or sent electronically to the customer.

14

15 Q. HOW MANY ALECS DOES BELLSOUTH BILL EACH MONTH?

16

17 A. Exhibit DPS-1 provides a summary of the ALECs that currently have billing
18 accounts with BellSouth along with a total of the different types of bills that
19 BellSouth produces. In its nine-state region, BellSouth produces
20 approximately 5,500 bills each month for approximately 338 different ALECs
21 using the various billing options available to them. In Florida, BellSouth
22 produces 1,435 bills each month for approximately 182 ALECs operating in
23 the state.

24

25 *Issue 2: Does BellSouth currently provide interconnection in accordance with the*

1 *requirements of Sections 251 (c) (2) and 252 (d) (1) of the Telecommunications Act*
2 *of 1996, pursuant to Section 271 (c) (2) (B) (I) and applicable rules promulgated by*
3 *the FCC?*

4 *(d) Does BellSouth currently permit the use of a Percent Local Usage (PLU)*
5 *factor in conjunction with trunking?*

6

7 Q. DOES BELLSOUTH ALLOW FOR THE USE OF A PERCENT LOCAL
8 USAGE FACTOR (PLU) IN BILLING FOR INTERCONNECTION
9 TRUNKING?

10

11 A. Yes. BellSouth can and does bill ALECs for usage and other charges for an
12 ALEC's use of two-way trunks using the appropriate PLU factor as it does with
13 other types of trunks. The issue has been that the facility charges (monthly and
14 one time installation charges) for these trunks and facilities must be allocated
15 between both the ALEC and BellSouth because the traffic of both is sent across
16 the trunks. Currently, BellSouth handles this using a manual method in which
17 the full charge is billed to the ALEC and a subsequent credit is applied to
18 represent the fact that BellSouth is using a portion of the trunk.

19

20 At a future point in time when the process has the potential to become too
21 cumbersome, a mechanized means to calculate the percent usage for each
22 company and to allocate the charges based on that calculation will be created.

23 At the present time, given the number of accounts involved, the cost of making
24 this change is not warranted. BellSouth's current process is more than adequate
25 to address this issue. As a further safeguard, any adjustments relating to

1 inaccurate billing for two way trunking will be included in the invoice accuracy
2 measures set forth by the Commission.

3

4 ***Issue 2: Does BellSouth currently provide interconnection in accordance with the***
5 ***requirements of Sections 251 (c) (2) and 252 (d) (1) of the Telecommunications Act***
6 ***of 1996, pursuant to Section 271 (c) (2) (B) (I) and applicable rules promulgated by***
7 ***the FCC?***

8 ***(e) Does BellSouth currently provide ALECs with meet point billing***
9 ***data?***

10

11 Q. WHAT IS MEET-POINT BILLING?

12

13 A. On occasion two local exchange companies will jointly provide a
14 telecommunications service to a third company. For example, suppose an
15 ALEC and an interexchange company are both interconnected with BellSouth
16 at an access tandem in Miami. If a customer of the IXC places a call to an end
17 user of the ALEC then BellSouth and the ALEC have jointly provided
18 terminating access to the IXC. In this example BellSouth is providing the
19 tandem and perhaps some portion of interoffice transport and the ALEC is
20 providing the end office switching and perhaps some portion of the transport.
21 Meet-point billing is the set of guidelines that BellSouth and the ALEC will
22 use to bill the IXC for the portion of the access service that each has provided
23 to the IXC. These guidelines have been developed and are maintained by the
24 industry at the Ordering and Billing Forum (OBF) and covers such topics as

25

1 which provider is to record for the calls, which provider is responsible for
2 sending to the other the call records, etc.

3

4 Q. HOW IS MEET-POINT BILLING USAGE SENT BETWEEN CARRIERS?

5

6 A. In the example stated above, BellSouth, as the tandem provider, would send to
7 the ALEC a call detail record the ALEC would use to bill the IXC. The ALEC
8 would need to select a vendor to act as its intermediary to collect from all of
9 the industry participants usage data that the ALEC needs to perform the meet-
10 point billing functions. The company so selected as its intermediary is termed
11 the "Revenue Accounting Office (RAO) Host". Sometimes an ALEC chooses
12 BellSouth as its RAO Host and sometimes they do not. All local exchange
13 carriers (ILECs and ALECs alike) will send data bound for another local
14 exchange carrier via the RAO Host selected by that LEC.

15

16 Q. DOES BELLSOUTH ABIDE BY THE MEET POINT BILLING PROCESSES
17 DEVELOPED AT OBF AND PROVIDE ALECS WITH USAGE RECORDS
18 TO SUPPORT MEET POINT BILLING?

19

20 A. Yes. In April 2001, BellSouth provided over 134 million meet point billing
21 usage records to ALECs in the region either directly as an RAO Host company
22 or to ALECs through the RAO Host selected by those ALECs. BellSouth has
23 complied with, and will continue to abide by, the meet-point billing guidelines
24 maintained by OBF.

25

1 *Issue 6: Does BellSouth currently provide unbundled local transport on the trunk*
2 *side of a wireline local exchange carrier switch from switching or other services,*
3 *pursuant to Section 271 (c) (2) (B) (v) and applicable rules promulgated by the*
4 *FCC?*

5 (a) *Does BellSouth currently provide billing for usage-sensitive UNEs?*

6

7 *Issue 7: Does BellSouth currently provide unbundled local switching from*
8 *transport, local loop transmission, or other services, pursuant to Section 271 (c) (2)*
9 *(B) (vi) and applicable rules promulgated by the FCC?*

10 (a) *Does BellSouth bill for unbundled local switching on a usage-sensitive*
11 *basis?*

12

13 Q. CAN BELLSOUTH CURRENTLY PROVIDE BILLS TO ALECS FOR
14 UNBUNDLED SWITCHING, UNBUNDLED TRANSPORT AND OTHER
15 USAGE-BASED NETWORK ELEMENTS?

16

17 A. Yes. BellSouth began to bill ALECs for usage sensitive based UNEs as early as
18 August 1997. Thus, this concern should be alleviated. Since that time
19 enhancements have been made to improve the system's capabilities. The latest
20 change has been to implement the OBF UNE bill formats. A significant
21 number of the changes made to the bill formats deal with usage sensitive
22 charges. Exhibit DPS-2 of my testimony provides a copy of one of the CABS-
23 Formatted UNE bills provided to an ALEC in Florida in November, 2000. The
24 usage section of this bill reflects the quantities, prices and charges for usage
25 sensitive elements such as unbundled local switching, unbundled shared

1 interoffice transport, unbundled operator services, unbundled directory
2 assistance, unbundled 800 data base queries, etc. This bill was mechanically
3 generated from the billing transactions collected from BellSouth's switching
4 equipment for calls originating from or terminating to the ALEC's unbundled
5 switch ports.

6

7 Q. HOW ARE USAGE-BASED TRANSACTIONS PROCESSED FOR ALECS?

8

9 A. As calls are routed through BellSouth's network, usage records are created in
10 the switches and other database elements incorporated into the network.
11 Several times each day, these usage records are transmitted from the network to
12 a collection system that is used by the billing system. The collection system
13 then sends the records to a process that identifies where each record should be
14 sent for billing the customer. If the record is associated with an access call or a
15 call associated with an ALEC's interconnection service, it is sent to CABS. If
16 the record is associated with a resale service then it is sent to CRIS for
17 handling. If the record is associated with an unbundled switch port then it is
18 sent to the UNE usage billing process (referred to as the BellSouth Industrial
19 Billing System or BIBS). Switch port usage is neither billed on a call-by-call
20 detail as is done for end users in CRIS nor summarized in the way that access
21 usage is billed in CABS. Therefore, BIBS was developed to meet the unique
22 billing requirements for UNE usage.

23

24 Once in CRIS, CABS or BIBS, the usage records are edited, rated and stored
25 until the close of the customer's billing period. In addition, each day, the usage

1 records for those ALECs which have elected to receive daily usage information
2 via the Optional Daily Usage File (ODUF) or the Access Daily Usage File
3 (ADUF) are copied and included on the files and transmitted to the ALEC.
4 Finally, at the appropriate time, the edited and rated usage is placed on the
5 customers invoice in the format that the customer has selected.

6

7 Q. WOULD YOU PLEASE SUMMARIZE YOUR TESTIMONY?

8

9 A. Yes. BellSouth provides ALECs with bills for usage-based UNEs such as
10 unbundled local switching and unbundled shared transport. In addition
11 BellSouth provides accurate and complete billing for local trunking including
12 the use of PLUs for trunks and facilities. Lastly, BellSouth provides usage
13 records so that ALECs can bill pursuant to the meet point billing guidelines
14 developed by the industry.

15

16 Q. DOES THIS CONCLUDE YOUR TESTIMONY?

17

18 A. Yes.

19

20

21

22

23

24

25

DPS-1
BILL FORMAT CHOICES PROVIDED
TO ALECS BY BELLSOUTH

Bill Format Choices Provided to ALECs by BellSouth

Bill Type	Number Provided in Florida	Florida ALECs Receiving Bill Type	Number Provided Region Wide	ALECs Receiving Bill Type Region Wide
Resale CLUB Paper	383	131	1180	279
Diskette Analyzer Bill (DAB)	210	68	664	141
Resale Electronic Data Interexchange Transmitted Bill (EDI)	19	4	53	5
Resale Mag Tape Bill Format	64	19	188	26
Resale CABS Format	8	4	28	4
Unbundled Switched Port Bill ("J" Bill)	111	30	351	54
CABS Interconnection Bills	640	63	3056	113
Total	1435	N/A	5520	N/A

DPS-2

BILLING PRINTOUTS
(CABS FORMATTED UNE BILLS)

PAGES 1-155

BILL NO 305
BILL DATE NOV 22, 2000

BELLSOUTH TELECOMMUNICATIONS, INC.

RETURN DOCUMENT

BILLING INQUIRIES CALL (800) 773-4967 TELCO USE: MAIL GROUP

BALANCE DUE - PLEASE INDICATE AMOUNT REMITTED FOR EACH INVOICE

	AMOUNT DUE	AMOUNT REMITTED
DUE BY DEC 15	6,295.07	_____
PAST DUE	6,780.42	_____
TOTAL AMOUNT DUE	6,295.07	_____

TO ENSURE PROPER CREDIT AND AVOID POSSIBLE LATE PAYMENT PENALTIES,
PLEASE COMPLETE AND RETURN THIS DOCUMENT WITH YOUR PAYMENT TO:

BELLSOUTH PRO - CLUB
P. O. BOX 33809
CHARLOTTE, NC
28243-0001

PLEASE SEND ALL OTHER CORRESPONDENCE TO:

ICS - LOCAL BILLING - BHM
600 N. 19TH STREET - 12C1
BIRMINGHAM, AL 35203

BILL NO 305
INVOICE NO 3050
BILL DATE NOV 22, 2000
PAGE 1

BILLING INQUIRIES CALL (800) 773-4967

FOR TELCO USE:
ICSC OFC BS01

BELLSOUTH SWITCHED ACCESS SERVICE
UNBUNDLED LINE PORT

*** BALANCE DUE INFORMATION ***

TOTAL AMOUNT OF LAST BILL		6,780.42
PAYMENTS APPLIED - SEE DETAIL		3,585.74CR
ADJUSTMENTS APPLIED - SEE DETAIL		0.00
LOCAL	0.00	0.00
TOTAL BALANCE DUE - SEE DETAIL		3,194.68

*** DETAIL OF CURRENT CHARGES ***

TOTAL - FLORIDA - 5191

LATE PAYMENT CHARGES

55.04

MONTHLY ACCESS CHARGES
FROM NOV 22 THRU DEC 21
LOCAL

1,688.47

1,688.47

OTHER CHARGES AND CREDITS - SEE DETAIL
LOCAL

101.54

101.54

USAGE CHARGES - SEE DETAIL
LOCAL

1,255.27

1,255.27

TAXES - SEE DETAIL

0.07

TOTAL CURRENT CHARGES * DUE BY DEC 15 *

3,100.39

TOTAL AMOUNT DUE

6,295.07

BILL NO 305
INVOICE NO 3050
BILL DATE NOV 22, 2000
PAGE 2

*** DETAIL OF PAYMENTS APPLIED ***

INVOICE NO 3050	
NOV 07 00 CASH PAYMENT	3,585.74CR
TOTAL PAYMENTS APPLIED	3,585.74CR

BILL NO 305 Q
INVOICE NO 305Q9
BILL DATE NOV 22, 2008
PAGE 3

*** DETAIL OF BALANCE DUE ***

INVOICE NO 305
PREVIOUS BALANCE 6,780.42
PAYMENTS APPLIED 3,585.74CR
BALANCE DUE 3,194.68
TOTAL BALANCE DUE 3,194.68

BILL NO 305
INVOICE NO 3050
BILL DATE NOV 22, 2000
PAGE 4

*** DETAIL OF LATE PAYMENT CHARGES ***

LATE PAYMENT CHARGE BASE AMOUNT	3,194.68
LOCAL 09/22/00-10/21/00 - 29 DAYS 3,194.68	55.04
TOTAL LATE PAYMENT CHARGE FOR BASE AMOUNT	55.04

TOTAL LATE PAYMENT CHARGES 55.04

BILL NO
INVOICE NO
BILL DATE

305
305Q
NOV 22, 2000
PAGE 5

*** DETAIL OF OTHER CHARGES AND CREDITS ***

					AMOUNT
	OCT 29 00	SO CQD5JK97	PON 400007205		
	TELEPHONE NUMBER BTNS [REDACTED]				
	CHARGE FOR MISCELLANEOUS ACTIVITY -				
	ONE-TIME CHARGE FOR				
	SOMAN	1 CLEC SERVICE REQUEST PROCESSING, PER MANUAL L			
		SR			
		LOCAL - FL - EC 5191			19.99
1	NET EFFECT OF SO CQD5JK97	FRACTIONAL	PON 400007205		BILLED AMOUNT
	PER MONTH		ONE-TIME		
	TOTAL - FL - EC 5191	0.00	19.99		19.99
		0.00			
	OCT 31 00	SO CQ2M63W5	PON DMM00186		
	TELEPHONE NUMBER BTNS [REDACTED]				
	CHARGE FOR MISCELLANEOUS ACTIVITY -				
	CHARGE FOR CHANGING YOUR LONG DISTANCE				
	COMPANY TO FRONTIER				
		LOCAL - FL - EC 5191			1.49
	CHARGE FOR MISCELLANEOUS ACTIVITY -				
	ONE-TIME CHARGE FOR				
	SOMEQ	1 CLEC SERVICE REQUEST PROCESSING, PER MECHANIZ			
		ED LSR			
		LOCAL - FL - EC 5191			3.50
	CHARGE FOR MISCELLANEOUS ACTIVITY -				
	ONE-TIME CHARGE FOR				
	USAS2	1 UNBUNDLED NETWORK ELEMENT 2-WIRE SUBSEQUENT A			
		CTIVITY CHARGE			
		LOCAL - FL - EC 5191			10.00
	CHARGE FOR MISCELLANEOUS ACTIVITY -				
	CHARGE FOR CHANGING YOUR LONG DISTANCE				
	COMPANY TO FRONTIER				
		LOCAL - FL - EC 5191			1.49
	CHARGE FOR MISCELLANEOUS ACTIVITY -				
	CHARGE FOR CHANGING YOUR LONG DISTANCE				
	COMPANY TO FRONTIER				
		LOCAL - FL - EC 5191			1.49
	CHARGE FOR MISCELLANEOUS ACTIVITY -				
	CHARGE FOR CHANGING YOUR LONG DISTANCE				
	COMPANY TO FRONTIER				
		LOCAL - FL - EC 5191			1.49
1	NET EFFECT OF SO CQ2M63W5	FRACTIONAL	PON DMM00186		BILLED AMOUNT
	PER MONTH		ONE-TIME		
	TOTAL - FL - EC 5191	0.00	19.46		19.46
		0.00			
	OCT 25 00	SO CQ3Q2362	PON DMM00142		PIU NA

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*** DETAIL OF OTHER CHARGES AND CREDITS ***
 BIP AMOUNT

	CHARGE FOR MISCELLANEOUS ACTIVITY - ONE-TIME CHARGE FOR SOMEK 1 CLEC SERVICE REQUEST PROCESSING, PER MECHANIZ ED LSR LOCAL - FL - EC 5191	3.50
	CHARGE FOR MISCELLANEOUS ACTIVITY - ONE-TIME CHARGE FOR USAS2 1 UNBUNDLED NETWORK ELEMENT 2-WIRE SUBSEQUENT A CTIVITY CHARGE LOCAL - FL - EC 5191	10.00
1	NET EFFECT OF SO CQ3Q2362 FRACTIONAL ONE-TIME PER MONTH FRACTIONAL ONE-TIME TOTAL - FL - EC 5191 0.00 0.00 13.50	BILLED AMOUNT 13.50
	OCT 26 00 SO DQF16GT6 TELEPHONE NUMBER B CREDIT FOR SERVICE DISCONNECTED FROM OCT 27 00 THRU NOV 21 00 (\$19.35/MO) LOCAL - FL - EC 5191	16.76CR
1	NET EFFECT OF SO DQF16GT6 PER MONTH FRACTIONAL ONE-TIME TOTAL - FL - EC 5191 0.00 16.76CR 0.00	BILLED AMOUNT 16.76CR
	OCT 17 00 SO DQ12BF44 TELEPHONE NUMBER B ADJUSTMENT TO COVER MINIMUM CHARGE FOR LOCAL SERVICE FROM SEP 20 00 THRU NOV 21 00 (\$19.35/MO) LOCAL - FL - EC 5191	20.63CR
1	NET EFFECT OF SO DQ12BF44 PER MONTH FRACTIONAL ONE-TIME TOTAL - FL - EC 5191 0.00 20.63CR 0.00	BILLED AMOUNT 20.63CR
	NOV 10 00 SO DQ2QPPV9 TELEPHONE NUMBER B CREDIT FOR SERVICE DISCONNECTED FROM NOV 11 00 THRU NOV 21 00 (\$19.35/MO) LOCAL - FL - EC 5191	7.09CR
	CREDIT FOR SERVICE DISCONNECTED FROM NOV 11 00 THRU NOV 21 00 (\$19.35/MO) LOCAL - FL - EC 5191	7.09CR

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*** DETAIL OF OTHER CHARGES AND CREDITS ***

			BIP	AMOUNT
1	NET EFFECT OF SO DQ2QPPV9			
	PER MONTH	FRACTIONAL	ONE-TIME	BILLED AMOUNT
	TOTAL - FL - EC 5191			
	0.00	14.18CR	0.00	14.18CR
	OCT 27 00 SO DQ50R961			
	TELEPHONE NUMBER [REDACTED]			
	CREDIT FOR SERVICE DISCONNECTED FROM OCT 28			
	00 THRU NOV 21 00 (\$19.35/MO)			
	LOCAL - FL - EC 5191			16.13CR
	DISCONNECT CHARGE FOR			
	SONEC 1 CLEC SERVICE REQUEST PROCESSING, PER MECHANIZ			
	ED LSR			
	LOCAL - FL - EC 5191			3.50
1	NET EFFECT OF SO DQ50R961			
	PER MONTH	FRACTIONAL	ONE-TIME	BILLED AMOUNT
	TOTAL - FL - EC 5191			
	0.00	16.13CR	3.50	12.63CR
	OCT 30 00 SO DQ86B235			
	TELEPHONE NUMBER [REDACTED]			
	CREDIT FOR SERVICE DISCONNECTED FROM OCT 31			
	00 THRU NOV 21 00 (\$17.00/MO)			
	LOCAL - FL - EC 5191			12.47CR
	CREDIT FOR SERVICE DISCONNECTED FROM OCT 31			
	00 THRU NOV 21 00 (\$19.35/MO)			
	LOCAL - FL - EC 5191			14.20CR
	CREDIT FOR SERVICE DISCONNECTED FROM OCT 31			
	00 THRU NOV 21 00 (\$19.35/MO)			
	LOCAL - FL - EC 5191			14.20CR
	CREDIT FOR SERVICE DISCONNECTED FROM OCT 31			
	00 THRU NOV 21 00 (\$19.35/MO)			
	LOCAL - FL - EC 5191			14.20CR
	CREDIT FOR SERVICE DISCONNECTED FROM OCT 31			
	00 THRU NOV 21 00 (\$19.35/MO)			
	LOCAL - FL - EC 5191			14.20CR
	CREDIT FOR SERVICE DISCONNECTED FROM OCT 31			
	00 THRU NOV 21 00 (\$19.35/MO)			
	LOCAL - FL - EC 5191			14.20CR

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*** DETAIL OF OTHER CHARGES AND CREDITS ***
 BIP

		AMOUNT
TELEPHONE NUMBER	[REDACTED]	
	CREDIT FOR SERVICE DISCONNECTED FROM OCT 31	
	00 THRU NOV 21 00 (\$19.35/MO)	
	LOCAL - FL - EC 5191	14.20CR
	CREDIT FOR SERVICE DISCONNECTED FROM OCT 31	
	00 THRU NOV 21 00 (\$19.35/MO)	
	LOCAL - FL - EC 5191	14.20CR
	CREDIT FOR SERVICE DISCONNECTED FROM OCT 31	
	00 THRU NOV 21 00 (\$19.35/MO)	
	LOCAL - FL - EC 5191	14.20CR
	CREDIT FOR SERVICE DISCONNECTED FROM OCT 31	
	00 THRU NOV 21 00 (\$19.35/MO)	
	LOCAL - FL - EC 5191	14.20CR
1	NET EFFECT OF SO D9868235	
	PER MONTH FRACTIONAL ONE-TIME BILLED AMOUNT	
	TOTAL - FL - EC 5191	168.67CR
	0.00 168.67CR 0.00	
OCT 23 00	SO NQ1E7MA [REDACTED] BON HDL0209	
TELEPHONE NUMBER	[REDACTED]	
	CHARGE FOR NEW SERVICE FROM OCT 24 00 THRU	
NOV 21 00		
LNPCX	1 FCC LOCAL NUMBER PORTABILITY LINE CHARGE - LI	
	NE LOCAL - FL - EC 5191	0.34
	CHARGE FOR NEW SERVICE FROM OCT 24 00 THRU	
NOV 21 00		
UEPBL	1 UNBUNDLED EXCHANGE PORT, BUSINESS, MEASURED	
	LOCAL - FL - EC 5191	1.93
	CHARGE FOR NEW SERVICE FROM OCT 24 00 THRU	
NOV 21 00		
UEPLX	1 UNBUNDLED LOOP VOICE GRADE	
	LOCAL - FL - EC 5191	16.43
	CHARGE FOR MISCELLANEOUS ACTIVITY -	
	ONE-TIME CHARGE FOR	
USACC	1 UNBUNDLED NETWORK ELEMENT 2-WIRE CONVERSION C	
	HANGE LOCAL - FL - EC 5191	10.00
	CHARGE FOR MISCELLANEOUS ACTIVITY -	
	ONE-TIME CHARGE FOR	

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*** DETAIL OF OTHER CHARGES AND CREDITS ***

	BIP	AMOUNT
TELEPHONE NUMBER BTM305 [REDACTED]) SONEC 1 CLEC SERVICE REQUEST PROCESSING, PER MECHANIZ ED LSR LOCAL - FL - EC 5191		3.50
1 NET EFFECT OF SO NQ1FW1H0 PON HDL0209 PER MONTH FRACTIONAL ONE-TIME BILLED AMOUNT		
TOTAL - FL - EC 5191	0.00 18.70 13.50	32.20
SEP 15 00 SO NQ3YXP2 [REDACTED] PON BSC1638 TELEPHONE NUMBER B [REDACTED] CHARGE FOR NEW SERVICE FROM SEP 16 00 THRU NOV 21 00		
LNPCX 1 FCC LOCAL NUMBER PORTABILITY LINE CHARGE - LI NE LOCAL - FL - EC 5191		0.77
CHARGE FOR NEW SERVICE FROM SEP 16 00 THRU NOV 21 00		
SMBBX 1 MEMORYCALL ANSWERING SERVICE, BUS, INCL 90 M IN OF USE, EACH MAILBOX, PER MONTH LOCAL - FL - EC 5191		17.49
CHARGE FOR NEW SERVICE FROM SEP 16 00 THRU NOV 21 00		
UEPBL 1 UNBUNDLED EXCHANGE PORT, BUSINESS, MEASURED LOCAL - FL - EC 5191		4.40
CHARGE FOR NEW SERVICE FROM SEP 16 00 THRU NOV 21 00		
UEPLX 1 UNBUNDLED LOOP VOICE GRADE LOCAL - FL - EC 5191		37.40
CHARGE FOR MISCELLANEOUS ACTIVITY - ONE-TIME CHARGE FOR		
USACC 1 UNBUNDLED NETWORK ELEMENT 2-WIRE CONVERSION C HANGE LOCAL - FL - EC 5191		10.00
CHARGE FOR MISCELLANEOUS ACTIVITY - ONE-TIME CHARGE FOR		
SONEC 1 CLEC SERVICE REQUEST PROCESSING, PER MECHANIZ ED LSR LOCAL - FL - EC 5191		3.50
1 NET EFFECT OF SO NQ3YXP2 PON BSC1638 PER MONTH FRACTIONAL ONE-TIME BILLED AMOUNT		
TOTAL - FL - EC 5191	0.00 60.06 13.50	73.56
OCT 23 00 SO NQ5K61D1 [REDACTED] TELEPHONE NUMBER B [REDACTED]		

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*** DETAIL OF OTHER CHARGES AND CREDITS ***
 BIP

		AMOUNT
TELEPHONE NUMBER [REDACTED] (CONT'D)		
	CHARGE FOR NEW SERVICE FROM OCT 24 00 THRU NOV 21 00	
UEPLX	1 UNBUNDLED LOOP VOICE GRADE LOCAL - FL - EC 5191	16.43
	CHARGE FOR MISCELLANEOUS ACTIVITY - ONE-TIME CHARGE FOR	
USACC	1 UNBUNDLED NETWORK ELEMENT 2-WIRE CONVERSION CHANGE LOCAL - FL - EC 5191	10.00
	CHARGE FOR NEW SERVICE FROM OCT 24 00 THRU NOV 21 00	
LNPCX	1 FCC LOCAL NUMBER PORTABILITY LINE CHARGE - LINE LOCAL - FL - EC 5191	0.34
	CHARGE FOR NEW SERVICE FROM OCT 24 00 THRU NOV 21 00	
UEPBL	1 UNBUNDLED EXCHANGE PORT, BUSINESS, MEASURED LOCAL - FL - EC 5191	1.93
	CHARGE FOR NEW SERVICE FROM OCT 24 00 THRU NOV 21 00	
UEPLX	1 UNBUNDLED LOOP VOICE GRADE LOCAL - FL - EC 5191	16.43
	CHARGE FOR MISCELLANEOUS ACTIVITY - ONE-TIME CHARGE FOR	
USACC	1 UNBUNDLED NETWORK ELEMENT 2-WIRE CONVERSION CHANGE LOCAL - FL - EC 5191	10.00
	CHARGE FOR NEW SERVICE FROM OCT 24 00 THRU NOV 21 00	
LNPCX	1 FCC LOCAL NUMBER PORTABILITY LINE CHARGE - LINE LOCAL - FL - EC 5191	0.34
	CHARGE FOR NEW SERVICE FROM OCT 24 00 THRU NOV 21 00	
UEPBL	1 UNBUNDLED EXCHANGE PORT, BUSINESS, MEASURED LOCAL - FL - EC 5191	1.93
	CHARGE FOR NEW SERVICE FROM OCT 24 00 THRU NOV 21 00	
LNPCX	1 FCC LOCAL NUMBER PORTABILITY LINE CHARGE - LINE LOCAL - FL - EC 5191	0.34

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*** DETAIL OF OTHER CHARGES AND CREDITS ***

	BIP	AMOUNT
TELEPHONE NUMBER [REDACTED]		
CHARGE FOR NEW SERVICE FROM OCT 24 00 THRU NOV 21 00		
UEPBL 1 UNBUNDLED EXCHANGE PORT, BUSINESS, MEASURED LOCAL - FL - EC 5191		1.93
CHARGE FOR NEW SERVICE FROM OCT 24 00 THRU NOV 21 00		
UEPLX 1 UNBUNDLED LOOP VOICE GRADE LOCAL - FL - EC 5191		16.43
CHARGE FOR MISCELLANEOUS ACTIVITY - ONE-TIME CHARGE FOR		
USACC 1 UNBUNDLED NETWORK ELEMENT 2-WIRE CONVERSION CHANGE LOCAL - FL - EC 5191		10.00
CHARGE FOR NEW SERVICE FROM OCT 24 00 THRU NOV 21 00		
LNPCX 1 FCC LOCAL NUMBER PORTABILITY LINE CHARGE - LI NE LOCAL - FL - EC 5191		0.34
CHARGE FOR NEW SERVICE FROM OCT 24 00 THRU NOV 21 00		
UEPBL 1 UNBUNDLED EXCHANGE PORT, BUSINESS, MEASURED LOCAL - FL - EC 5191		1.93
CHARGE FOR NEW SERVICE FROM OCT 24 00 THRU NOV 21 00		
UEPLX 1 UNBUNDLED LOOP VOICE GRADE LOCAL - FL - EC 5191		16.43
CHARGE FOR MISCELLANEOUS ACTIVITY - ONE-TIME CHARGE FOR		
USACC 1 UNBUNDLED NETWORK ELEMENT 2-WIRE CONVERSION CHANGE LOCAL - FL - EC 5191		10.00
CHARGE FOR NEW SERVICE FROM OCT 24 00 THRU NOV 21 00		
LNPCX 1 FCC LOCAL NUMBER PORTABILITY LINE CHARGE - LI NE LOCAL - FL - EC 5191		0.34
CHARGE FOR NEW SERVICE FROM OCT 24 00 THRU NOV 21 00		
UEPBL 1 UNBUNDLED EXCHANGE PORT, BUSINESS, MEASURED LOCAL - FL - EC 5191		1.93
CHARGE FOR NEW SERVICE FROM OCT 24 00 THRU NOV 21 00		

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*** DETAIL OF OTHER CHARGES AND CREDITS ***
 BIP

				AMOUNT
TELEPHONE NUMBER	[REDACTED]			
UEPLX	1 UNBUNDLED LOOP VOICE GRADE			
	LOCAL - FL - EC 5191			16.43
	CHARGE FOR MISCELLANEOUS ACTIVITY -			
	ONE-TIME CHARGE FOR			
USACC	1 UNBUNDLED NETWORK ELEMENT 2-WIRE CONVERSION C			
	HANGE			
	LOCAL - FL - EC 5191			10.00
	CHARGE FOR NEW SERVICE FROM OCT 24 00 THRU			
	NOV 21 00			
UEPLX	1 UNBUNDLED LOOP VOICE GRADE			
	LOCAL - FL - EC 5191			16.43
	CHARGE FOR MISCELLANEOUS ACTIVITY -			
	ONE-TIME CHARGE FOR			
USACC	1 UNBUNDLED NETWORK ELEMENT 2-WIRE CONVERSION C			
	HANGE			
	LOCAL - FL - EC 5191			10.00
	CHARGE FOR NEW SERVICE FROM OCT 24 00 THRU			
	NOV 21 00			
LNPCX	1 FCC LOCAL NUMBER PORTABILITY LINE CHARGE - LI			
	NE			0.34
	LOCAL - FL - EC 5191			
	CHARGE FOR NEW SERVICE FROM OCT 24 00 THRU			
	NOV 21 00			
UEPBL	1 UNBUNDLED EXCHANGE PORT, BUSINESS, MEASURED			
	LOCAL - FL - EC 5191			1.93
	CHARGE FOR MISCELLANEOUS ACTIVITY -			
	ONE-TIME CHARGE FOR			
SONEC	1 CLEC SERVICE REQUEST PROCESSING, PER MECHANIZ			
	ED LSR			
	LOCAL - FL - EC 5191			3.50
1	NET EFFECT OF SO NQSK61D1			
	PER MONTH FRACTIONAL ONE-TIME BILLED AMOUNT			
	TOTAL - FL - EC 5191			175.70
	0.00 112.20 63.50			
	TOTAL OTHER CHARGES AND CREDITS			101.54
	TOTAL - FL - EC 5191			

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***** LOCAL USAGE FOR OFFICE HMSTFLHMDS0 *****
 SEP 22 00 THRU OCT 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT SHARED TRANSPORT - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING			
MIATFLADDS0 - 029 MILES	26	.000012000	.01
MIAMFLGRDS1 - 028 MILES	27	.000012000	.01
MIAMFLYIDS6 - 028 MILES	33	.000012000	.01
ACCESS			
TANDEM			
ORIGINATING			
MIAMFLGR05T - 028 MILES	26	.000012000	.01
TERMINATING			
MIAMFLGR05T - 028 MILES	5	.000012000	.01

TOTAL UT SHRD TRANS	117		.05
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO EO - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING	85	.000500000	.04

TOTAL UT F TERM EO-EO	85		.04
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO TANDEM - FL - EC 5191			
ACCESS			
TANDEM			
ORIGINATING	26	.000500000	.01
TERMINATING	5	.000500000	.01

TOTAL UT F TERM EO-TAN	31		.02
UNBUNDLED TRANSPORT TANDEM SWITCHING - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING	85	.000290000	.02
ACCESS			
TANDEM			
ORIGINATING	26	.000290000	.01
TERMINATING	5	.000290000	.01

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***** LOCAL USAGE FOR OFFICE HMSTFLHDS0 *****
 SEP 22 00 THRU OCT 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
TOTAL UT TANDEM SW	116		.04
TOTAL UNBUNDLED TRANSPORT CHARGE - FL - EC 5191			.15
UNBUNDLED END OFFICE - FL - EC 5191			
UNBUNDLED LOCAL SWITCHING - SWITCHING FUNCTIONALITY			
LOCAL			
ORIGINATING			
EO			
SINGLE NETWORK			
INTRASWITCH			
INITIAL	3	.017500000	.05
ADDITIONAL	2	.005000000	.01
INTERSWITCH			
INITIAL	7	.017500000	.12
ADDITIONAL	20	.005000000	.10
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	15	.017500000	.26
ADDITIONAL	44	.005000000	.22
TEO			
SINGLE NETWORK			
INTERSWITCH			
INITIAL	7	.017500000	.12
ADDITIONAL	20	.005000000	.10
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	15	.017500000	.26
ADDITIONAL	44	.005000000	.22
ACCESS			
ORIGINATING			
EO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	14	.017500000	.25
ADDITIONAL	15	.005000000	.08
TERMINATING			
TEO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	12	.017500000	.21
ADDITIONAL	7	.005000000	.04

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***** LOCAL USAGE FOR OFFICE HNSTFLHMSO *****
SEP 22 00 THRU OCT 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
TOTAL ULS - SWITCH FUNC	225		2.04
TOTAL UNBUNDLED END OFFICE CHARGES - FL - EC 5191			2.04

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***** LOCAL USAGE FOR OFFICE HMSTFLHMDSO *****
 OCT 22 00 THRU NOV 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT SHARED TRANSPORT - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING			
MIAMFLCADS0 - 021 MILES	3	.000012000	.01
MIAMFLGRDS1 - 028 MILES	542	.000012000	.18
MIAMFLHLDS0 - 031 MILES	9	.000012000	.01
MIAMFLKEDS0 - 025 MILES	2	.000012000	.01
MIAMFLPLDS0 - 025 MILES	10	.000012000	.01
MIAMFLRRDS0 - 021 MILES	2	.000012000	.01
MIAMFLWDS0 - 015 MILES	2	.000012000	.01
MIAMFLYDS6 - 028 MILES	245	.000012000	.01
MIATFLADDS0 - 029 MILES	457	.000012000	.08
NDADFLGGCH4 - 038 MILES	5	.000012000	.16
PRRNFLMADS0 - 014 MILES	5	.000012000	.01
HMSTFLNARS0 - 005 MILES	62	.000012000	.01
MIAMFLAEDS0 - 025 MILES	1	.000012000	.01
MIAMFLAFCH1 - 028 MILES	13	.000012000	.01
MIAMFLAFCH1 - 028 MILES	9	.000012000	.01
TANDEM			
ORIGINATING			
MIAMFLAFCH1 - 028 MILES	4	.000012000	.01
MIAMFLYJCM0 - 040 MILES	3	.000012000	.01
MIAMFLYJCM5 - 040 MILES	3	.000012000	.01
NDADFLGGCM5 - 038 MILES	3	.000012000	.01
PRRNFLAECM1 - 014 MILES	2	.000012000	.01
NDADFLGG03T - 038 MILES	1	.000012000	.01
ACCESS			
TANDEM			
ORIGINATING			
MIAMFLGR05T - 028 MILES	18	.000012000	.01
NDADFLGG01T - 038 MILES	23	.000012000	.01
TERMINATING			
MIAMFLGR05T - 028 MILES	4	.000012000	.01
NDADFLGG01T - 038 MILES	6	.000012000	.01
TOTAL UT SHRD TRANS			1,429
			.63
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO EO - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING			
	1,356	.000500000	.68
TANDEM			
ORIGINATING			
	12	.000500000	.01

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***** LOCAL USAGE FOR OFFICE HMSTFLHMSO *****
 OCT 22 00 THRU NOV 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
TOTAL UT F TERM EO-EO	1,368		.69
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO TANDEM - FL - EC 5191			
LOCAL TANDEM			
ORIGINATING	1	.000500000	.01
ACCESS TANDEM			
ORIGINATING	40	.000500000	.02
TERMINATING	10	.000500000	.01
TOTAL UT F TERM EO-TAN	51		.04
UNBUNDLED TRANSPORT TANDEM SWITCHING - FL - EC 5191			
LOCAL UNDETERMINED ROUTING			
ORIGINATING	1,356	.000290000	.39
TANDEM			
ORIGINATING	13	.000290000	.01
ACCESS TANDEM			
ORIGINATING	40	.000290000	.01
TERMINATING	10	.000290000	.01
TOTAL UT TANDEM SW	1,419		.42
TOTAL UNBUNDLED TRANSPORT CHARGE - FL - EC 5191			1.78
UNBUNDLED END OFFICE - FL - EC 5191			
UNBUNDLED LOCAL SWITCHING - SWITCHING FUNCTIONALITY			
LOCAL			
ORIGINATING			
EO			
SINGLE NETWORK			
INTRASWITCH			
INITIAL	51	.017500000	.89
ADDITIONAL	34	.005000000	.17
INTERSWITCH			
INITIAL	66	.017500000	1.16
ADDITIONAL	591	.005000000	2.96
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	115	.017500000	2.01
ADDITIONAL	599	.005000000	3.00

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***** LOCAL USAGE FOR OFFICE HMSTFLMDS0 *****
 OCT 22 00 THRU NOV 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
TEO			
SINGLE NETWORK			
INTERSWITCH			
INITIAL	65	.017500000	1.14
ADDITIONAL	591	.005000000	2.96
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	105	.017500000	1.84
ADDITIONAL	597	.005000000	2.99
ACCESS			
ORIGINATING			
EO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	22	.017500000	.39
ADDITIONAL	50	.005000000	.25
TERMINATING			
TEO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	60	.017500000	1.05
ADDITIONAL	79	.005000000	.40
TOTAL ULS - SWITCH FUNC	3,025		21.21
TOTAL UNBUNDLED END OFFICE CHARGES - FL - EC 5191			21.21
TOTAL LOCAL USAGE CHARGES FOR OFFICE HMSTFLMDS0			25.18

 TOTAL USAGE CHARGES FOR OFFICE HMSTFLMDS0 25.18

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***** LOCAL USAGE FOR OFFICE MIAMFLAPD50 *****
 JUN 22 00 THRU JUL 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT SHARED TRANSPORT - FL - EC 5191 ACCESS TANDEM ORIGINATING NDADFLGG01T - 012 MILES	2	.000012000	.01
TOTAL UT SHRD TRANS	2		.01
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO TANDEM - FL - EC 5191 ACCESS TANDEM ORIGINATING	2	.000500000	.01
TOTAL UT F TERM EO-TAN	2		.01
UNBUNDLED TRANSPORT TANDEM SWITCHING - FL - EC 5191 ACCESS TANDEM ORIGINATING	2	.000290000	.01
TOTAL UT TANDEM SW	2		.01
TOTAL UNBUNDLED TRANSPORT CHARGE - FL - EC 5191			.03
UNBUNDLED END OFFICE - FL - EC 5191 UNBUNDLED LOCAL SWITCHING - SWITCHING FUNCTIONALITY ACCESS ORIGINATING EO MULTIPLE NETWORK INTERSWITCH INITIAL	2	.017500000	.04
TOTAL ULS - SWITCH FUNC	2		.04
TOTAL UNBUNDLED END OFFICE CHARGES - FL - EC 519104

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***** LOCAL USAGE FOR OFFICE MIAMFLAPDS *****
 AUG 22 00 THRU SEP 21 00
 SEP 07 THRU SEP 21

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT SHARED TRANSPORT - FL - EC 5191			
ACCESS TANDEM ORIGINATING NDADFLGG01T - 012 MILES	1	.000012000	.01
-----			-----
TOTAL UT SHRD TRANS	1		.01
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO TANDEM - FL - EC 5191			
ACCESS TANDEM ORIGINATING	1	.000500000	.01
-----			-----
TOTAL UT F TERM EO-TAN	1		.01
UNBUNDLED TRANSPORT TANDEM SWITCHING - FL - EC 5191			
ACCESS TANDEM ORIGINATING	1	.000290000	.01
-----			-----
TOTAL UT TANDEM SW	1		.01
TOTAL UNBUNDLED TRANSPORT CHARGE - FL - EC 5191			.03
UNBUNDLED END OFFICE - FL - EC 5191			
UNBUNDLED LOCAL SWITCHING - SWITCHING FUNCTIONALITY			
ACCESS ORIGINATING ED MULTIPLE NETWORK INTERSWITCH INITIAL	1	.017500000	.02
-----			-----
TOTAL ULS - SWITCH FUNC	1		.02
TOTAL UNBUNDLED END OFFICE CHARGES - FL - EC 519102

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***** LOCAL USAGE FOR OFFICE MIAMFLAPDS0 *****
 SEP 22 00 THRU OCT 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT SHARED TRANSPORT - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING			
MIAMFLGRDS1 - 006 MILES	1	.000012000	.01
MIAMFLPB88E - 801 MILES	8	.000012000	.01
MIAMFLPLDS0 - 005 MILES	10	.000012000	.01
MIAMFLRRDS0 - 007 MILES	1	.000012000	.01
MIAMFLWDDS0 - 014 MILES	2	.000012000	.01
MIAMFLWKDS0 - 004 MILES	1	.000012000	.01
MIAQFL06DS0 - 009 MILES	7	.000012000	.01
PRRNFLMADS0 - 014 MILES	1	.000012000	.01
MIAMFLAEDS0 - 005 MILES	1	.000012000	.01
MIAMFLAL63E - 003 MILES	2	.000012000	.01
MIAMFLBRDS0 - 009 MILES	3	.000012000	.01
TANDEM			
ORIGINATING			
NDADFLGGCHS - 012 MILES	13	.000012000	.01
NDADFLGG03T - 012 MILES	1	.000012000	.01
ACCESS			
TANDEM			
ORIGINATING			
NDADFLGG01T - 012 MILES	181	.000012000	.03
TERMINATING			
NDADFLGG01T - 012 MILES	22	.000012000	.01
TOTAL UT SHRD TRANS			.17
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO EO - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING			
	32	.000500000	.02
TANDEM			
ORIGINATING			
	13	.000500000	.01
TOTAL UT F TERM EO-EO			.03
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO TANDEM - FL - EC 5191			
LOCAL			
TANDEM			
ORIGINATING			
	1	.000500000	.01
ACCESS			
TANDEM			
ORIGINATING			
	181	.000500000	.09

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***** LOCAL USAGE FOR OFFICE MIAMFLAPDS0 *****
 SEP 22 00 THRU OCT 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
TERMINATING	22	.000500000	.01

TOTAL UT F TERM EO-TAN	204		.11
UNBUNDLED TRANSPORT TANDEM SWITCHING - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING	32	.000290000	.01
TANDEM			
ORIGINATING	14	.000290000	.01
ACCESS			
TANDEM			
ORIGINATING	181	.000290000	.05
TERMINATING	22	.000290000	.01

TOTAL UT TANDEM SW	249		.08
TOTAL UNBUNDLED TRANSPORT CHARGE - FL - EC 5191			.39
UNBUNDLED END OFFICE - FL - EC 5191			
UNBUNDLED LOCAL SWITCHING - SWITCHING FUNCTIONALITY			
LOCAL			
ORIGINATING			
EO			
SINGLE NETWORK			
INTRASWITCH			
INITIAL			
	3	.017500000	.05
ADDITIONAL			
	3	.005000000	.02
INTERSWITCH			
INITIAL			
	17	.017500000	.30
ADDITIONAL			
	9	.005000000	.05
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL			
	4	.017500000	.07
ADDITIONAL			
	17	.005000000	.09
TEO			
SINGLE NETWORK			
INTERSWITCH			
INITIAL			
	16	.017500000	.28
ADDITIONAL			
	9	.005000000	.05
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL			
	2	.017500000	.04
ADDITIONAL			
	6	.005000000	.03

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***** LOCAL USAGE FOR OFFICE MIAMFLAPDS *****
 SEP 22 00 THRU OCT 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
ACCESS			
ORIGINATING			
EO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	103	.017500000	1.80
ADDITIONAL	127	.005000000	.64
TERMINATING			
TEO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	58	.017500000	1.02
ADDITIONAL	24	.005000000	.12
TOTAL ULS - SWITCH FUNC	398		4.56
TOTAL UNBUNDLED END OFFICE CHARGES - FL - EC 5191			4.56

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***** LOCAL USAGE FOR OFFICE MIAMFLAPDS0 *****
 OCT 22 00 THRU NOV 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT SHARED TRANSPORT - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING			
FTLDFL92DS0 - 012 MILES	3	.000012000	.01
HNSTFLHMDS0 - 027 MILES	6	.000012000	.01
MIAMFLACCD0 - 006 MILES	1	.000012000	.01
MIAMFLAEDS0 - 005 MILES	13	.000012000	.01
MIAMFLAFCM1 - 007 MILES	1	.000012000	.01
MIAMFLAL6SE - 003 MILES	1	.000012000	.01
MIAMFLB88SE - 006 MILES	3	.000012000	.01
MIAMFLBRDS0 - 009 MILES	17	.000012000	.01
MIAMFLCADS0 - 007 MILES	43	.000012000	.01
MIAMFLDADS0 - 007 MILES	9	.000012000	.01
MIAMFLFLDS0 - 005 MILES	3	.000012000	.01
MIAMFLHLDSD0 - 006 MILES	14	.000012000	.01
MIAMFLME3ZE - 004 MILES	1	.000012000	.01
MIAMFLMDS0 - 009 MILES	2	.000012000	.01
MIAMFLQ68E - 007 MILES	6	.000012000	.01
MIAMFLP888E - 001 MILES	65	.000012000	.01
MIAMFLPLDS0 - 005 MILES	154	.000012000	.01
MIAMFLRRDS0 - 007 MILES	2	.000012000	.01
MIAMFLSODS0 - 011 MILES	1	.000012000	.01
MIAMFLWDDS0 - 014 MILES	15	.000012000	.01
MIAMFLYJCH5 - 019 MILES	3	.000012000	.01
MIAMFLPVDSD0 - 005 MILES	4	.000012000	.01
MIAMFLWDS0 - 004 MILES	30	.000012000	.01
MIAMFLYIDS6 - 007 MILES	2	.000012000	.01
MIAPFLYODS0 - 002 MILES	5	.000012000	.01
MIAPFLQ6DS0 - 009 MILES	11	.000012000	.01
NDADFLBRDS0 - 010 MILES	1	.000012000	.01
NDADFLGGDS0 - 012 MILES	3	.000012000	.01
NDADFLGG1KD - 012 MILES	15	.000012000	.01
PRRNFLMADS0 - 014 MILES	32	.000012000	.01
COCYFL10DS1 - 010 MILES	4	.000012000	.01
FTLDFLWADS1 - 024 MILES	12	.000012000	.01
TANDEM			
ORIGINATING			
FTLDFLFTCH1 - 025 MILES	4	.000012000	.01
FTLDFLTCH4 - 025 MILES	14	.000012000	.01
MIAMFLAFCM1 - 007 MILES	12	.000012000	.01
MIAMFLYJCH5 - 019 MILES	5	.000012000	.01
NDADFLGGCH4 - 012 MILES	4	.000012000	.01
NDADFLGGCH5 - 012 MILES	12	.000012000	.01
NDADFLGG01T - 012 MILES	2	.000012000	.01
OJUSFLTLCM1 - 015 MILES	7	.000012000	.01

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***** LOCAL USAGE FOR OFFICE MIAMFLAPDSO *****
 OCT 22 00 THRU NOV 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
PRRNFLAECM1 - 013 MILES	16	.000012000	.01
MIAMFLDADS0 - 007 MILES	1	.000012000	.01
NDADFLGG03T - 012 MILES	2	.000012000	.01
ACCESS			
TANDEM			
ORIGINATING			
NDADFLGG01T - 012 MILES	1,620	.000012000	.25
TERMINATING			
NDADFLGG01T - 012 MILES	102	.000012000	.01
NDADFLGG04T - 012 MILES	1	.000012000	.01
TOTAL UT SHRD TRANS	2,284		.68
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO EO - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING	463	.000500000	.23
TANDEM			
ORIGINATING	72	.000500000	.04
TOTAL UT F TERM EO-EO	535		.27
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO TANDEM - FL - EC 5191			
LOCAL			
TANDEM			
ORIGINATING	3	.000500000	.01
ACCESS			
TANDEM			
ORIGINATING	1,620	.000500000	.81
TERMINATING	102	.000500000	.05
TOTAL UT F TERM EO-TAN	1,725		.87
UNBUNDLED TRANSPORT TANDEM SWITCHING - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING	463	.000290000	.13
TANDEM			
ORIGINATING	2	.000290000	.01
ORIGINATING	74	.000290000	.02
ACCESS			
TANDEM			
ORIGINATING	1,620	.000290000	.47
TERMINATING	102	.000290000	.03

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***** LOCAL USAGE FOR OFFICE MIAMFLAPDSO *****
 OCT 22 00 THRU NOV 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
TOTAL UT TANDEM SW	2,261		.66
TOTAL UNBUNDLED TRANSPORT CHARGE - FL - EC 5191			2.48
UNBUNDLED END OFFICE - FL - EC 5191			
UNBUNDLED LOCAL SWITCHING - SWITCHING FUNCTIONALITY			
LOCAL			
ORIGINATING			
EO			
SINGLE NETWORK			
INTRASWITCH			
INITIAL	9	.017500000	.16
ADDITIONAL	1	.005000000	.01
INTERSWITCH			
INITIAL	222	.017500000	3.89
ADDITIONAL	154	.005000000	.77
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	94	.017500000	1.65
ADDITIONAL	68	.005000000	.34
TEO			
SINGLE NETWORK			
INTERSWITCH			
INITIAL	221	.017500000	3.87
ADDITIONAL	154	.005000000	.77
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	52	.017500000	.91
ADDITIONAL	39	.005000000	.20
ACCESS			
ORIGINATING			
EO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	911	.017500000	15.94
ADDITIONAL	837	.005000000	4.19
TERMINATING			
TEO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	455	.017500000	7.96
ADDITIONAL	333	.005000000	1.67

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***** LOCAL USAGE FOR OFFICE MIAMFLAPDS0 *****
OCT 22 00 THRU NOV 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
TOTAL ULS - SWITCH FUNC	3,550		42.33
TOTAL UNBUNDLED END OFFICE CHARGES - FL - EC 5191			42.33
UNBUNDLED MISCELLANEOUS - FL - EC 5191			
FULLY AUTOMATED CALL			
HANDLED LEC LIDB	3	.100000000	.30
TOTAL UNBUNDLED MISCELLANEOUS CHARGES - FL - EC 5191			.30
TOTAL LOCAL USAGE CHARGES FOR OFFICE MIAMFLAPDS0			50.18

TOTAL USAGE CHARGES FOR OFFICE MIAMFLAPDS0 50.18

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***** LOCAL USAGE FOR OFFICE MIAMFLBASSE *****
 AUG 22 00 THRU SEP 21 00
 AUG 22 THRU SEP 06

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT SHARED TRANSPORT - FL - EC 5191 ACCESS TANDEM TERMINATING MIAMFLGR05T - 003 MILES	1	.000012000	.01
-----			-----
TOTAL UT SHRD TRANS	1		.01
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO TANDEM - FL - EC 5191 ACCESS TANDEM TERMINATING	1	.000500000	.01
-----			-----
TOTAL UT F TERM EO-TAN	1		.01
UNBUNDLED TRANSPORT TANDEM SWITCHING - FL - EC 5191 ACCESS TANDEM TERMINATING	1	.000290000	.01
-----			-----
TOTAL UT TANDEM SW	1		.01
TOTAL UNBUNDLED TRANSPORT CHARGE - FL - EC 5191			.03
UNBUNDLED END OFFICE - FL - EC 5191 UNBUNDLED LOCAL SWITCHING - SWITCHING FUNCTIONALITY ACCESS TERMINATING TEO MULTIPLE NETWORK INTERSWITCH INITIAL	1	.017500000	.02
-----			-----
TOTAL ULS - SWITCH FUNC	1		.02
TOTAL UNBUNDLED END OFFICE CHARGES - FL - EC 519102

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***** LOCAL USAGE FOR OFFICE MIAMFLB85E *****
 AUG 22 00 THRU SEP 21 00
 SEP 07 THRU SEP 21

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT SHARED TRANSPORT - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING			
MIAMFLAEDS0 - 003 MILES	10	.000012000	.01
MIAMFLCADS0 - 009 MILES	5	.000012000	.01
MIAMFLFLDS0 - 002 MILES	1	.000012000	.01
MIAMFLGRDS1 - 003 MILES	12	.000012000	.01
MIAMFLHLD50 - 011 MILES	3	.000012000	.01
MIAMFLMES2E - 003 MILES	2	.000012000	.01
NDADFLGG1KD - 014 MILES	9	.000012000	.01
PRRNFLMADS0 - 013 MILES	4	.000012000	.01
TANDEM			
ORIGINATING			
FTLDFLAHCM2 - 028 MILES	1	.000012000	.01
FTLDFLTBCM4 - 028 MILES	1	.000012000	.01
MIAMFLAFCM1 - 003 MILES	25	.000012000	.01
MIAMFLYJCM5 - 025 MILES	5	.000012000	.01
NDADFLGGCM4 - 014 MILES	23	.000012000	.01
QJUSFLTLCM1 - 016 MILES	15	.000012000	.01
ACCESS			
TANDEM			
ORIGINATING			
NDADFLGG01T - 014 MILES	115	.000012000	.02
TERMINATING			
MIAMFLGR05T - 003 MILES	2	.000012000	.01
NDADFLGG01T - 014 MILES	3	.000012000	.01
TOTAL UT SHRD TRANS	236		.18
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO EO - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING			
	42	.000500000	.02
TANDEM			
ORIGINATING			
	68	.000500000	.03
TOTAL UT F TERM EO-EO	110		.05
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO TANDEM - FL - EC 5191			
ACCESS			
TANDEM			
ORIGINATING			
	115	.000500000	.06

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***** LOCAL USAGE FOR OFFICE MIAMFLB85E *****
 AUG 22 00 THRU SEP 21 00
 SEP 07 THRU SEP 21

RATE CATEGORY	QUANTITY	RATE	AMOUNT
TERMINATING	5	.000500000	.01

TOTAL UT F TERM ED-TAN	120		.07
UNBUNDLED TRANSPORT TANDEM SWITCHING - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING	42	.000290000	.01
TANDEM			
ORIGINATING	68	.000290000	.02
ACCESS			
TANDEM			
ORIGINATING	115	.000290000	.03
TERMINATING	5	.000290000	.01

TOTAL UT TANDEM SW	230		.07
TOTAL UNBUNDLED TRANSPORT CHARGE - FL - EC 5191			.37
UNBUNDLED END OFFICE - FL - EC 5191			
UNBUNDLED LOCAL SWITCHING - SWITCHING FUNCTIONALITY			
LOCAL			
ORIGINATING			
EO			
SINGLE NETWORK			
INTRASWITCH			
INITIAL	4	.017500000	.07
INTERSWITCH			
INITIAL	20	.017500000	.35
ADDITIONAL	13	.005000000	.07
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	37	.017500000	.65
ADDITIONAL	40	.005000000	.20
TEO			
SINGLE NETWORK			
INTERSWITCH			
INITIAL	20	.017500000	.35
ADDITIONAL	13	.005000000	.07
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	5	.017500000	.09
ADDITIONAL	5	.005000000	.03

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***** LOCAL USAGE FOR OFFICE MIAMFLBA85E *****
 AUG 22 00 THRU SEP 21 00
 SEP 07 THRU SEP 21

RATE CATEGORY	QUANTITY	RATE	AMOUNT
ACCESS			
ORIGINATING			
EO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	43	.017500000	.75
ADDITIONAL	112	.005000000	.56
TERMINATING			
TEO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	30	.017500000	.53
ADDITIONAL	23	.005000000	.12
TOTAL ULS - SWITCH FUNC	365		3.84
TOTAL UNBUNDLED END OFFICE CHARGES - FL - EC 5191			3.84

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***** LOCAL USAGE FOR OFFICE MIAMFLB85E *****
 SEP 22 00 THRU OCT 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT SHARED TRANSPORT - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING			
FTLDFLWADS1 - 026 MILES	1	.000012000	.01
HMSTFLHMDS0 - 026 MILES	6	.000012000	.01
MIAMFLAEDS0 - 003 MILES	31	.000012000	.01
MIAMFLAL63E - 005 MILES	3	.000012000	.01
MIAMFLBCDS0 - 004 MILES	1	.000012000	.01
MIAMFLBRDS0 - 006 MILES	2	.000012000	.01
MIAMFLCADS0 - 009 MILES	4	.000012000	.01
MIAMFLFLDS0 - 002 MILES	8	.000012000	.01
MIAMFLGRDS1 - 003 MILES	258	.000012000	.01
MIAMFLHLDS0 - 011 MILES	17	.000012000	.01
MIAMFLICDS0 - 010 MILES	20	.000012000	.01
MIAMFLKEDS0 - 006 MILES	1	.000012000	.01
MIAMFLKYDS0 - 003 MILES	1	.000012000	.01
MIAMFLME32E - 003 MILES	9	.000012000	.01
MIAMFLNMD0 - 011 MILES	46	.000012000	.01
MIAMFLLO68E - 011 MILES	5	.000012000	.01
MIAMFLPB88E - 006 MILES	3	.000012000	.01
MIAMFLPLDS0 - 009 MILES	6	.000012000	.01
MIAMFLRRDS0 - 005 MILES	9	.000012000	.01
MIAMFLSH75E - 007 MILES	15	.000012000	.01
MIAMFLSODS0 - 011 MILES	34	.000012000	.01
MIAMFLWM26E - 006 MILES	2	.000012000	.01
MIAPFLYODS0 - 005 MILES	8	.000012000	.01
NDADFLAC94E - 013 MILES	2	.000012000	.01
NDADFLBRDS0 - 013 MILES	2	.000012000	.01
NDADFLGGCM5 - 014 MILES	1	.000012000	.01
NDADFLGG1KD - 014 MILES	1	.000012000	.01
NDADFLOLDS0 - 015 MILES	14	.000012000	.01
PRRNFLMADS0 - 013 MILES	22	.000012000	.01
COCYFL10DS1 - 013 MILES	6	.000012000	.01
FTLDFLTBCM4 - 028 MILES	24	.000012000	.01
TANDEM			
ORIGINATING			
FTLDFLAMCM2 - 028 MILES	1	.000012000	.01
FTLDFLTBCM4 - 028 MILES	6	.000012000	.01
MIAMFLAFCM1 - 003 MILES	16	.000012000	.01
MIAMFLHLDS0 - 011 MILES	1	.000012000	.01
MIAMFLYJCM0 - 025 MILES	3	.000012000	.01
MIAMFLYJCM2 - 025 MILES	4	.000012000	.01
MIAMFLYJCM5 - 025 MILES	79	.000012000	.02
NDADFLGGCM4 - 014 MILES	71	.000012000	.01
NDADFLGGCM5 - 014 MILES	3	.000012000	.01

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***** LOCAL USAGE FOR OFFICE MIAMFLBASSE *****
 SEP 22 00 THRU OCT 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
NDADFLGG01T - 014 MILES	3	.000012000	.01
OJUSFLTICMI - 016 MILES	60	.000012000	.01
NDADFLGG03T - 014 MILES	1	.000012000	.01
ACCESS			
TANDEM			
ORIGINATING			
MIAMFLGR05T - 003 MILES	9	.000012000	.01
NDADFLGG01T - 014 MILES	144	.000012000	.02
TERMINATING			
MIAMFLGR05T - 003 MILES	8	.000012000	.01
NDADFLGG01T - 014 MILES	18	.000012000	.01

TOTAL UT SHRD TRANS	989		.49
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO EO - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING	548	.000500000	.27
TANDEM			
ORIGINATING	239	.000500000	.12

TOTAL UT F TERM EO-EO	787		.39
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO TANDEM - FL - EC 5191			
LOCAL			
TANDEM			
ORIGINATING	4	.000500000	.01
ACCESS			
TANDEM			
ORIGINATING	153	.000500000	.08
TERMINATING	25	.000500000	.01

TOTAL UT F TERM EO-TAN	182		.10
UNBUNDLED TRANSPORT TANDEM SWITCHING - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING	548	.000290000	.16
TANDEM			
ORIGINATING	3	.000290000	.01
ORIGINATING	240	.000290000	.07
ACCESS			
TANDEM			
ORIGINATING	153	.000290000	.04

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***** LOCAL USAGE FOR OFFICE MIAMFLBA85E *****
 SEP 22 00 THRU OCT 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
TERMINATING	25	.000290000	.01

TOTAL UT TANDEN SW	969		.29
TOTAL UNBUNDLED TRANSPORT CHARGE - FL - EC 5191			1.27
UNBUNDLED END OFFICE - FL - EC 5191			
UNBUNDLED LOCAL SWITCHING - SWITCHING FUNCTIONALITY			
LOCAL			
ORIGINATING			
EO			
SINGLE NETWORK			
INTRASWITCH			
INITIAL	32	.017500000	.56
ADDITIONAL	39	.005000000	.20
INTERSWITCH			
INITIAL	195	.017500000	3.41
ADDITIONAL	342	.005000000	1.71
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	152	.017500000	2.66
ADDITIONAL	102	.005000000	.51
TEO			
SINGLE NETWORK			
INTERSWITCH			
INITIAL	194	.017500000	3.40
ADDITIONAL	342	.005000000	1.71
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	6	.017500000	.11
ADDITIONAL	10	.005000000	.05
ACCESS			
ORIGINATING			
EO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	142	.017500000	2.49
ADDITIONAL	186	.005000000	.93
TERMINATING			
TEO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	148	.017500000	2.59
ADDITIONAL	155	.005000000	.78

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***** LOCAL USAGE FOR OFFICE MIAMFLBA85E *****
SEP 22 00 THRU OCT 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
TOTAL ULS - SWITCH FUNC	2,045		21.11
TOTAL UNBUNDLED END OFFICE CHARGES - FL - EC 5191			21.11

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***** LOCAL USAGE FOR OFFICE MIAMFLBA85E *****
 OCT 22 00 THRU NOV 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT SHARED TRANSPORT - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING			
FTLDFLMRS0 - 026 MILES	2	.000012000	.01
FTLDFLTBCM4 - 028 MILES	52	.000012000	.02
FTLDFLMADS1 - 026 MILES	1	.000012000	.01
FTLDFL92DS0 - 013 MILES	1	.000012000	.01
HMSTFLNARS0 - 021 MILES	12	.000012000	.01
MIAMFLAEDS0 - 003 MILES	80	.000012000	.01
MIAMFLAFCH1 - 003 MILES	4	.000012000	.01
MIAMFLAL6SE - 005 MILES	21	.000012000	.01
MIAMFLBCDS0 - 004 MILES	9	.000012000	.01
MIAMFLBRDS0 - 006 MILES	11	.000012000	.01
MIAMFLCADS0 - 009 MILES	114	.000012000	.01
MIAMFLFLDS0 - 002 MILES	119	.000012000	.01
MIAMFLGRDS0 - 003 MILES	14	.000012000	.01
MIAMFLGRDS1 - 003 MILES	872	.000012000	.03
MIAMFLHLD0 - 011 MILES	11	.000012000	.01
MIAMFLICDS0 - 010 MILES	79	.000012000	.01
MIAMFLKEDS0 - 006 MILES	45	.000012000	.01
MIAMFLME32E - 003 MILES	26	.000012000	.01
MIAMFLMDS0 - 011 MILES	190	.000012000	.03
MIAMFLNSDS0 - 007 MILES	19	.000012000	.01
MIAMFLOL68E - 011 MILES	22	.000012000	.01
MIAMFLPB88E - 006 MILES	35	.000012000	.01
MIAMFLPLDS0 - 009 MILES	13	.000012000	.01
MIAMFLRRDS0 - 005 MILES	37	.000012000	.01
MIAMFLSH7SE - 007 MILES	23	.000012000	.01
MIAMFLS0DS0 - 011 MILES	415	.000012000	.05
MIAMFLWDS0 - 015 MILES	16	.000012000	.01
MIAMFLWH26E - 006 MILES	26	.000012000	.01
MIAMFLYJCH2 - 025 MILES	3	.000012000	.01
MIAMFLPVDS0 - 008 MILES	3	.000012000	.01
MIAMFLWKDS0 - 008 MILES	3	.000012000	.01
MTAQFL06DS0 - 013 MILES	17	.000012000	.01
NDADFLAC94E - 013 MILES	2	.000012000	.01
NDADFLGGCM5 - 014 MILES	7	.000012000	.01
NDADFLGGDS0 - 014 MILES	1	.000012000	.01
NDADFLGGIKD - 014 MILES	1	.000012000	.01
NDADFL0LDS0 - 015 MILES	357	.000012000	.06
PRRNFLMADS0 - 013 MILES	106	.000012000	.02
TANDEM			
ORIGINATING			
FTLDFLAMCH2 - 028 MILES	16	.000012000	.01
FTLDFLTBCM4 - 028 MILES	53	.000012000	.02

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***** LOCAL USAGE FOR OFFICE MIAMFLB85E *****
 OCT 22 00 THRU NOV 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
MIAMFLAFCH1 - 003 MILES	72	.000012000	.01
MIAMFLAPDS0 - 006 MILES	1	.000012000	.01
MIAMFLHDS0 - 011 MILES	3	.000012000	.01
MIAMFLNDS0 - 011 MILES	2	.000012000	.01
MIAMFLWM26E - 006 MILES	1	.000012000	.01
MIAMFLYJCM2 - 025 MILES	57	.000012000	.02
MIAMFLYJCM5 - 025 MILES	246	.000012000	.07
NDADFLGGCM4 - 014 MILES	164	.000012000	.03
NDADFLGGCM5 - 014 MILES	12	.000012000	.01
NDADFLGG01T - 014 MILES	6	.000012000	.01
OJUSFLTLCM1 - 016 MILES	115	.000012000	.02
PMBHFLJKCM2 - 014 MILES	3	.000012000	.01
PRRNFLAECM1 - 013 MILES	1	.000012000	.01
NDADFLGGCM4 - 014 MILES	1	.000012000	.01
NDADFLGG03T - 014 MILES	26	.000012000	.01
ACCESS			
TANDEM			
ORIGINATING			
MIAMFLGR05T - 003 MILES	21	.000012000	.01
NDADFLGG01T - 014 MILES	424	.000012000	.07
TERMINATING			
MIAMFLGR05T - 003 MILES	26	.000012000	.01
NDADFLGG01T - 014 MILES	97	.000012000	.02
NDADFLGG04T - 014 MILES	3	.000012000	.01
WPBHFLGR02T - 076 MILES	1	.000012000	.01

TOTAL UT SHRD TRANS	4,120		.94
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO EO - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING	2,751	.000500000	1.38
TANDEM			
ORIGINATING	741	.000500000	.37

TOTAL UT F TERM EO-EO	3,492		1.75
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO TANDEM - FL - EC 5191			
LOCAL			
TANDEM			
ORIGINATING	31	.000500000	.02
ACCESS			
TANDEM			
ORIGINATING	445	.000500000	.22
TERMINATING	125	.000500000	.06

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***** LOCAL USAGE FOR OFFICE MIAMFLBA85E *****
 OCT 22 00 THRU NOV 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
TOTAL UT F TERM EO-TAN	681		.30
UNBUNDLED TRANSPORT FACILITIES TERMINATION TOPS TO EO - FL - EC 5191			
LOCAL			
TANDEM			
ORIGINATING	10	.000500000	.01
TOTAL UT F TERM TOPS-EO	10		.01
UNBUNDLED TRANSPORT TANDEM SWITCHING - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING	2,751	.000290000	.80
TANDEM			
ORIGINATING	6	.000290000	.01
ORIGINATING	766	.000290000	.22
ACCESS			
TANDEM			
ORIGINATING	445	.000290000	.13
TERMINATING	125	.000290000	.04
TOTAL UT TANDEM SW	4,093		1.20
TOTAL UNBUNDLED TRANSPORT CHARGE - FL - EC 5191			4.20
UNBUNDLED END OFFICE - FL - EC 5191			
UNBUNDLED LOCAL SWITCHING - SWITCHING FUNCTIONALITY			
LOCAL			
ORIGINATING			
EO			
SINGLE NETWORK			
INTRASWITCH			
INITIAL	220	.017500000	3.85
ADDITIONAL	271	.005000000	1.36
INTERSWITCH			
INITIAL	1,036	.017500000	18.13
ADDITIONAL	1,727	.005000000	8.64
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	450	.017500000	7.88
ADDITIONAL	311	.005000000	1.56
TEO			
SINGLE NETWORK			
INTERSWITCH			
INITIAL	1,023	.017500000	17.90

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***** LOCAL USAGE FOR OFFICE MIAMFLBASSE *****
 OCT 22 00 THRU NOV 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
ADDITIONAL MULTIPLE NETWORK INTERSWITCH	1,724	.005000000	8.62
INITIAL	7	.017500000	.12
ADDITIONAL	16	.005000000	.08
ACCESS ORIGINATING EO			
MULTIPLE NETWORK INTERSWITCH	730	.017500000	12.78
INITIAL	974	.005000000	4.87
ADDITIONAL			
TERMINATING TEO			
SINGLE NETWORK INTERSWITCH	1	.017500000	.02
INITIAL			
MULTIPLE NETWORK INTERSWITCH	887	.017500000	15.52
INITIAL	864	.005000000	4.32
ADDITIONAL			
TOTAL ULS - SWITCH FUNC	10,241		105.65
TOTAL UNBUNDLED END OFFICE CHARGES - FL - EC 5191			105.65
UNBUNDLED MISCELLANEOUS - FL - EC 5191			
DIRECTORY ASSISTANCE CALL COMPLETION	4	.030000000	.12
FULLY AUTOMATED CALL HANDLED LEC LIBB	3	.100000000	.30
TOTAL UNBUNDLED MISCELLANEOUS CHARGES - FL - EC 5191			.42
TOTAL LOCAL USAGE CHARGES FOR OFFICE MIAMFLBASSE			136.91

TOTAL USAGE CHARGES FOR OFFICE MIAMFLBASSE			136.91

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***** LOCAL USAGE FOR OFFICE MIAMFLCADSO *****
 JUL 22 00 THRU AUG 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT SHARED TRANSPORT - FL - EC 5191			
ACCESS			
TANDEM			
TERMINATING			
MIAMFLGR05T - 011 MILES	1	.000012000	.01
TOTAL UT SHRD TRANS	1		.01
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO TANDEM - FL - EC 5191			
ACCESS			
TANDEM			
TERMINATING	1	.000500000	.01
TOTAL UT F TERM EO-TAN	1		.01
UNBUNDLED TRANSPORT TANDEM SWITCHING - FL - EC 5191			
ACCESS			
TANDEM			
TERMINATING	1	.000290000	.01
TOTAL UT TANDEM SW	1		.01
TOTAL UNBUNDLED TRANSPORT CHARGE - FL - EC 5191			.03
UNBUNDLED END OFFICE - FL - EC 5191			
UNBUNDLED LOCAL SWITCHING - SWITCHING FUNCTIONALITY			
ACCESS			
TERMINATING			
TEO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	1	.017500000	.02
TOTAL ULS - SWITCH FUNC	1		.02
TOTAL UNBUNDLED END OFFICE CHARGES - FL - EC 5191			.02

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***** LOCAL USAGE FOR OFFICE MIAMFLCADS *****
 AUG 22 00 THRU SEP 21 00
 AUG 22 THRU SEP 06

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT SHARED TRANSPORT - FL - EC 5191			
ACCESS			
TANDEM			
TERMINATING			
MIAMFLGR05T - 011 MILES	2	.000012000	.01

TOTAL UT SHRD TRANS	2		.01
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO TANDEM - FL - EC 5191			
ACCESS			
TANDEM			
TERMINATING	2	.000500000	.01

TOTAL UT F TERM EO-TAN	2		.01
UNBUNDLED TRANSPORT TANDEM SWITCHING - FL - EC 5191			
ACCESS			
TANDEM			
TERMINATING	2	.000290000	.01

TOTAL UT TANDEM SW	2		.01
TOTAL UNBUNDLED TRANSPORT CHARGE - FL - EC 5191			.03
UNBUNDLED END OFFICE - FL - EC 5191			
UNBUNDLED LOCAL SWITCHING - SWITCHING FUNCTIONALITY			
ACCESS			
TERMINATING			
TEO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	2	.017500000	.04

TOTAL ULS - SWITCH FUNC	2		.04
TOTAL UNBUNDLED END OFFICE CHARGES - FL - EC 519104

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***** LOCAL USAGE FOR OFFICE MIAMFLCADSO *****
 SEP 22 00 THRU OCT 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT SHARED TRANSPORT - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING			
MIAMFLAEDSO - 007 MILES	1	.000012000	.01
MIAMFLBA85E - 009 MILES	1	.000012000	.01
MIAMFLBCDSO - 011 MILES	1	.000012000	.01
MIAMFLBRDSO - 015 MILES	1	.000012000	.01
MIAMFLDADS0 - 011 MILES	504	.000012000	.07
MIAMFLHLD50 - 011 MILES	3	.000012000	.01
MIAMFLO168E - 013 MILES	9	.000012000	.01
MIAMFLPLDS0 - 005 MILES	15	.000012000	.01
MIAMFLRRDS0 - 005 MILES	1	.000012000	.01
MIAMFLWDD50 - 007 MILES	13	.000012000	.01
MIAMFLW26E - 004 MILES	6	.000012000	.01
MIAMFLYJCH5 - 022 MILES	30	.000012000	.01
PRRNFLMADS0 - 009 MILES	3	.000012000	.01
TANDEM			
ORIGINATING			
FTLDFLANCM2 - 031 MILES	1	.000012000	.01
FTLDFLTBCM4 - 030 MILES	1	.000012000	.01
MIAMFLPLDS0 - 005 MILES	1	.000012000	.01
MIAMFLYJCM0 - 022 MILES	1	.000012000	.01
MIAMFLYJCH5 - 022 MILES	1	.000012000	.01
NDADFLGGCM4 - 018 MILES	2	.000012000	.01
NDADFLGGCH5 - 018 MILES	1	.000012000	.01
OJUSFLTLCH1 - 021 MILES	3	.000012000	.01
ACCESS			
TANDEM			
TERMINATING			
MIAMFLGR05T - 011 MILES	1	.000012000	.01
NDADFLGG01T - 018 MILES	2	.000012000	.01
TOTAL UT SHRD TRANS	602		.29
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO EO - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING	581	.000500000	.29
TANDEM			
ORIGINATING	7	.000500000	.01

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***** LOCAL USAGE FOR OFFICE MIAMFLCADSO *****
 SEP 22 00 THRU OCT 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
TOTAL UT F TERM EO-EO	588		.30
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO TANDEM - FL - EC 5191			
ACCESS TANDEM TERMINATING	3	.000500000	.01
TOTAL UT F TERM EO-TAN	3		.01
UNBUNDLED TRANSPORT TANDEM SWITCHING - FL - EC 5191			
LOCAL UNDETERMINED ROUTING			
ORIGINATING TANDEM	581	.000290000	.17
ORIGINATING ACCESS TANDEM	7	.000290000	.01
TERMINATING	3	.000290000	.01
TOTAL UT TANDEM SW	591		.19
TOTAL UNBUNDLED TRANSPORT CHARGE - FL - EC 5191			.79
UNBUNDLED END OFFICE - FL - EC 5191			
UNBUNDLED LOCAL SWITCHING - SWITCHING FUNCTIONALITY			
LOCAL ORIGINATING			
EO			
SINGLE NETWORK INTRASWITCH			
INITIAL	4	.017500000	.07
INTERSWITCH			
INITIAL	27	.017500000	.47
ADDITIONAL	51	.005000000	.26
MULTIPLE NETWORK INTERSWITCH			
INITIAL	19	.017500000	.33
ADDITIONAL	492	.005000000	2.46
TEO			
SINGLE NETWORK INTERSWITCH			
INITIAL	27	.017500000	.47
ADDITIONAL	51	.005000000	.26

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***** LOCAL USAGE FOR OFFICE MIAMFLCADSO *****
 SEP 22 00 THRU OCT 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
MULTIPLE NETWORK INTERSWITCH INITIAL	12	.017500000	.21
ADDITIONAL	492	.005000000	2.46
ACCESS ORIGINATING EO			
MULTIPLE NETWORK INTERSWITCH INITIAL	2	.017500000	.04
ADDITIONAL	6	.005000000	.03
TERMINATING TEO			
MULTIPLE NETWORK INTERSWITCH INITIAL	14	.017500000	.25
ADDITIONAL	29	.005000000	.15
TOTAL ULS - SWITCH FUNC	1,226		7.46
TOTAL UNBUNDLED END OFFICE CHARGES - FL - EC 5191			7.46

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***** LOCAL USAGE FOR OFFICE MIAMFLCADSO *****
 OCT 22 00 THRU NOV 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT SHARED TRANSPORT - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING			
FTLDFLTRCM4 - 030 MILES	4	.000012000	.01
FTLDFLWADS1 - 030 MILES	4	.000012000	.01
HMSSTFLHDS0 - 021 MILES	1	.000012000	.01
MIAMFLAEDS0 - 007 MILES	96	.000012000	.01
MIAMFLAL63E - 009 MILES	6	.000012000	.01
MIAMFLAPDS0 - 007 MILES	10	.000012000	.01
MIAMFLBA85E - 009 MILES	9	.000012000	.01
MIAMFLBCDS0 - 011 MILES	2	.000012000	.01
MIAMFLBRDS0 - 015 MILES	5	.000012000	.01
MIAMFLDADS0 - 011 MILES	1,409	.000012000	.19
MIAMFLFLDS0 - 009 MILES	7	.000012000	.01
MIAMFLGRDS1 - 011 MILES	1	.000012000	.01
MIAMFLGRH12 - 011 MILES	1	.000012000	.01
MIAMFLHLDS0 - 011 MILES	18	.000012000	.01
MIAMFLME32E - 010 MILES	4	.000012000	.01
MIAMFLNHDS0 - 016 MILES	13	.000012000	.01
MIAMFLNSDS0 - 011 MILES	1	.000012000	.01
MIAMFLOL68E - 013 MILES	23	.000012000	.01
MIAMFLPB88E - 008 MILES	4	.000012000	.01
MIAMFLPLDS0 - 005 MILES	26	.000012000	.01
MIAMFLRRDS0 - 005 MILES	4	.000012000	.01
MIAMFLSODS0 - 005 MILES	20	.000012000	.01
MIAMFLWDBS0 - 007 MILES	112	.000012000	.01
MIAMFLWM26E - 004 MILES	10	.000012000	.01
MIAMFLYJCM5 - 022 MILES	132	.000012000	.03
MIAMFLPVDS0 - 004 MILES	36	.000012000	.01
MIADFLQADS0 - 016 MILES	18	.000012000	.01
NDADFLAC94E - 018 MILES	1	.000012000	.01
NDADFLBRDS0 - 016 MILES	1	.000012000	.01
NDADFLGGDS0 - 018 MILES	1	.000012000	.01
NDADFLQLDS0 - 020 MILES	1	.000012000	.01
PRRNFLMADS0 - 009 MILES	6	.000012000	.01
WPBIFLJADS1 - 069 MILES	5	.000012000	.01
TANDEM			
ORIGINATING			
FTLDFLAHCM2 - 031 MILES	17	.000012000	.01
FTLDFLHQCM2 - 033 MILES	1	.000012000	.01
FTLDFLTRCM4 - 030 MILES	10	.000012000	.01
MIAMFLAFCH1 - 011 MILES	15	.000012000	.01
MIAMFLAPDS0 - 007 MILES	2	.000012000	.01
MIAMFLFLDS0 - 009 MILES	1	.000012000	.01
MIAMFLHLDS0 - 011 MILES	1	.000012000	.01

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***** LOCAL USAGE FOR OFFICE MIAMFLCADSO *****
 OCT 22 00 THRU NOV 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
MIAMFLNDS0 - 016 MILES	1	.000012000	.01
MIAMFLYJCM0 - 022 MILES	29	.000012000	.01
MIAMFLYJCM5 - 022 MILES	14	.000012000	.01
NDADFLGGCM5 - 018 MILES	8	.000012000	.01
NDADFLGLDS0 - 020 MILES	1	.000012000	.01
OJUSFLJLCH1 - 021 MILES	14	.000012000	.01
NDADFLGG03T - 018 MILES	6	.000012000	.01
ACCESS			
TANDEM			
ORIGINATING			
MIAMFLGR05T - 011 MILES	58	.000012000	.01
NDADFLGG01T - 018 MILES	253	.000012000	.05
TERMINATING			
MIAMFLGR05T - 011 MILES	2	.000012000	.01
NDADFLGG01T - 018 MILES	32	.000012000	.01
NDADFLGG04T - 018 MILES	1	.000012000	.01

TOTAL UT SHRD TRANS	2,457		.76
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO EO - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING	1,975	.000500000	.99
TANDEM			
ORIGINATING	106	.000500000	.05

TOTAL UT F TERM EO-EO	2,081		1.04
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO TANDEM - FL - EC 5191			
LOCAL			
TANDEM			
ORIGINATING	6	.000500000	.01
ACCESS			
TANDEM			
ORIGINATING	311	.000500000	.16
TERMINATING	34	.000500000	.02

TOTAL UT F TERM ED-TAN	351		.19
UNBUNDLED TRANSPORT TANDEM SWITCHING - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING	1,975	.000290000	.57

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***** LOCAL USAGE FOR OFFICE MIAMFLCADSO *****
 OCT 22 00 THRU NOV 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
TANDEM			
ORIGINATING	111	.000290000	.03
ACCESS			
TANDEM			
ORIGINATING	311	.000290000	.09
TERMINATING	34	.000290000	.01

TOTAL UT TANDEM SW	2,431		.70
TOTAL UNBUNDLED TRANSPORT CHARGE - FL - EC 5191			2.69
UNBUNDLED END OFFICE - FL - EC 5191			
UNBUNDLED LOCAL SWITCHING - SWITCHING FUNCTIONALITY			
LOCAL			
ORIGINATING			
EO			
SINGLE NETWORK			
INTRASWITCH			
INITIAL			
	124	.017500000	2.17
ADDITIONAL			
	72	.005000000	.36
INTERSWITCH			
INITIAL			
	192	.017500000	3.36
ADDITIONAL			
	319	.005000000	1.60
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL			
	113	.017500000	1.98
ADDITIONAL			
	1,463	.005000000	7.32
TEO			
SINGLE NETWORK			
INTERSWITCH			
INITIAL			
	187	.017500000	3.27
ADDITIONAL			
	319	.005000000	1.60
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL			
	51	.017500000	.89
ADDITIONAL			
	1,420	.005000000	7.10
ACCESS			
ORIGINATING			
EO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL			
	87	.017500000	1.52
ADDITIONAL			
	354	.005000000	1.77
TERMINATING			
TEO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL			
	138	.017500000	2.42

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BILL NO 305 0
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BILL DATE NOV 22, 2000
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***** LOCAL USAGE FOR OFFICE MIAMFLCADSO *****
OCT 22 00 THRU NOV 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
ADDITIONAL	238	.005000000	1.19
TOTAL ULS - SWITCH FUNC	5,077		36.55
TOTAL UNBUNDLED END OFFICE CHARGES - FL - EC 5191			36.55
TOTAL LOCAL USAGE CHARGES FOR OFFICE MIAMFLCADSO			47.61

TOTAL USAGE CHARGES FOR OFFICE MIAMFLCADSO 47.61

BILL NO 305 Q9
 INVOICE NO 305Q928
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***** LOCAL USAGE FOR OFFICE MIAMFLGRDS1 *****
 JUL 22 00 THRU AUG 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT SHARED TRANSPORT - FL - EC 5191 ACCESS TANDEM ORIGINATING NDADFLGG01T - 012 MILES	12	.000012000	.01
TOTAL UT SHRD TRANS	12		.01
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO TANDEM - FL - EC 5191 ACCESS TANDEM ORIGINATING	12	.000500000	.01
TOTAL UT F TERM EO-TAN	12		.01
UNBUNDLED TRANSPORT TANDEM SWITCHING - FL - EC 5191 ACCESS TANDEM ORIGINATING	12	.000290000	.01
TOTAL UT TANDEM SW	12		.01
TOTAL UNBUNDLED TRANSPORT CHARGE - FL - EC 5191			.03
UNBUNDLED END OFFICE - FL - EC 5191 UNBUNDLED LOCAL SWITCHING - SWITCHING FUNCTIONALITY ACCESS ORIGINATING EO MULTIPLE NETWORK INTERSWITCH INITIAL ADDITIONAL	8 5	.017500000 .005000000	.14 .03
TOTAL ULS - SWITCH FUNC	13		.17
TOTAL UNBUNDLED END OFFICE CHARGES - FL - EC 519117

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 INVOICE NO 305Q92
 BILL DATE NOV 22, 2000
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***** LOCAL USAGE FOR OFFICE MIAMFLGRDS1 *****
 AUG 22 00 THRU SEP 21 00
 AUG 22 THRU SEP 06

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT SHARED TRANSPORT - FL - EC 5191			
ACCESS			
TANDEM			
ORIGINATING			
NDADFLG601T - 012 MILES	74	.000012000	.01

TOTAL UT SHRD TRANS	74		.01
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO TANDEM - FL - EC 5191			
ACCESS			
TANDEM			
ORIGINATING	74	.000500000	.04
TERMINATING	31	.000500000	.02

TOTAL UT F TERM EO-TAN	105		.06
UNBUNDLED TRANSPORT TANDEM SWITCHING - FL - EC 5191			
ACCESS			
TANDEM			
ORIGINATING	74	.000290000	.02
TERMINATING	31	.000290000	.01

TOTAL UT TANDEM SW	105		.03
TOTAL UNBUNDLED TRANSPORT CHARGE - FL - EC 5191			.10
UNBUNDLED END OFFICE - FL - EC 5191			
UNBUNDLED LOCAL SWITCHING - SWITCHING FUNCTIONALITY			
ACCESS			
ORIGINATING			
EO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	18	.017500000	.32
ADDITIONAL	57	.005000000	.29
TERMINATING			
TEO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	8	.017500000	.14
ADDITIONAL	23	.005000000	.12

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BILL NO 305 09
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BILL DATE NOV 22, 2000
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***** LOCAL USAGE FOR OFFICE MIAHFLGRDS1 *****
AUG 22 00 THRU SEP 21 00
AUG 22 THRU SEP 06

RATE CATEGORY	QUANTITY	RATE	AMOUNT
TOTAL ULS - SWITCH FUNC	186		.87
TOTAL UNBUNDLED END OFFICE CHARGES - FL - EC 519187

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 INVOICE NO 305092
 BILL DATE NOV 22, 2000
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***** LOCAL USAGE FOR OFFICE MIANFLGRDS1 *****
 AUG 22 00 THRU SEP 21 00
 SEP 07 THRU SEP 21

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT SHARED TRANSPORT - FL - EC 5191			
ACCESS			
TANDEM			
ORIGINATING			
NDADFLG601T - 012 MILES	57	.000012000	.01

TOTAL UT SHRD TRANS	57		.01
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO TANDEM - FL - EC 5191			
ACCESS			
TANDEM			
ORIGINATING	57	.000500000	.03
TERMINATING	22	.000500000	.01

TOTAL UT F TERM EO-TAN	79		.04
UNBUNDLED TRANSPORT TANDEM SWITCHING - FL - EC 5191			
ACCESS			
TANDEM			
ORIGINATING	57	.000290000	.02
TERMINATING	22	.000290000	.01

TOTAL UT TANDEM SW	79		.03
TOTAL UNBUNDLED TRANSPORT CHARGE - FL - EC 5191			.08
UNBUNDLED END OFFICE - FL - EC 5191			
UNBUNDLED LOCAL SWITCHING - SWITCHING FUNCTIONALITY			
ACCESS			
ORIGINATING			
EO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	23	.017500000	.40
ADDITIONAL	35	.005000000	.18
TERMINATING			
EO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	14	.017500000	.25
ADDITIONAL	9	.005000000	.05

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BILL NO 305 Q
INVOICE NO 305Q92
BILL DATE NOV 22, 2000
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***** LOCAL USAGE FOR OFFICE MIAMFLGRDS1 *****
AUG 22 00 THRU SEP 21 00
SEP 07 THRU SEP 21

RATE CATEGORY	QUANTITY	RATE	AMOUNT
TOTAL ULS - SWITCH FUNC	81		.88
TOTAL UNBUNDLED END OFFICE CHARGES - FL - EC 519188

BILL NO 305 Q
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 BILL DATE NOV 22, 2008
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***** LOCAL USAGE FOR OFFICE MIAMFLGRDS1 *****
 SEP 22 00 THRU OCT 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT SHARED TRANSPORT - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING			
FTLDFLWADS1 - 025 MILES	6	.000012000	.01
FTLDFL92DS0 - 011 MILES	2	.000012000	.01
MIAMFLAEDS0 - 005 MILES	11	.000012000	.01
MIAMFLAFCH1 - 001 MILES	4	.000012000	.01
MIAMFLBA85E - 003 MILES	1	.000012000	.01
MIAMFLBCDS0 - 002 MILES	2	.000012000	.01
MIAMFLCADS0 - 011 MILES	7	.000012000	.01
MIAMFLHLD0 - 011 MILES	4	.000012000	.01
MIAMFLICDS0 - 008 MILES	1	.000012000	.01
MIAMFLDL68E - 009 MILES	1	.000012000	.01
MIAMFLPLDS0 - 010 MILES	6	.000012000	.01
MIAMFLRRDS0 - 008 MILES	7	.000012000	.01
MIAMFLSODS0 - 013 MILES	1	.000012000	.01
MIAMFLWH26E - 007 MILES	8	.000012000	.01
MIQFL06DS0 - 011 MILES	2	.000012000	.01
NDADFLGGCM5 - 012 MILES	1	.000012000	.01
NDADFLGG1KD - 012 MILES	1	.000012000	.01
TANDEM			
ORIGINATING			
FTLDFLANCM2 - 027 MILES	1	.000012000	.01
FTLDFLHQCM2 - 029 MILES	1	.000012000	.01
FTLDFLTBCM4 - 026 MILES	4	.000012000	.01
MIAMFLAFCH1 - 001 MILES	1	.000012000	.01
MIAMFLYJCM0 - 024 MILES	10	.000012000	.01
OJUSFLTLCM1 - 014 MILES	2	.000012000	.01
PRRNFLAECM1 - 015 MILES	3	.000012000	.01
ACCESS			
TANDEM			
ORIGINATING			
NDADFLGG01T - 012 MILES	11	.000012000	.01
TERMINATING			
NDADFLGG01T - 012 MILES	31	.000012000	.01
TOTAL UT SHRD TRANS	129		.26
UNBUNDLED TRANSPORT FACILITIES TERMINATION ED TO EO - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING			
	55	.000500000	.03
TANDEM			
ORIGINATING			
	18	.000500000	.01

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BILL NO 305 0
 INVOICE NO 305092
 BILL DATE NOV 22, 2000
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***** LOCAL USAGE FOR OFFICE MIAMFLGRDS1 *****
 SEP 22 00 THRU OCT 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
TOTAL UT F TERM EO-EO	73		.04
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO TANDEM - FL - EC 5191			
ACCESS			
TANDEM			
ORIGINATING	13	.000500000	.01
TERMINATING	32	.000500000	.02
TOTAL UT F TERM EO-TAN	45		.03
UNBUNDLED TRANSPORT TANDEM SWITCHING - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING	55	.000290000	.02
TANDEM			
ORIGINATING	18	.000290000	.01
ACCESS			
TANDEM			
ORIGINATING	13	.000290000	.01
TERMINATING	32	.000290000	.01
TOTAL UT TANDEM SW	118		.05
TOTAL UNBUNDLED TRANSPORT CHARGE - FL - EC 5191			.38
UNBUNDLED END OFFICE - FL - EC 5191			
UNBUNDLED LOCAL SWITCHING - SWITCHING FUNCTIONALITY			
LOCAL			
ORIGINATING			
EO			
SINGLE NETWORK			
INTRASWITCH			
INITIAL	41	.017500000	.72
ADDITIONAL	197	.005000000	.99
INTERSWITCH			
INITIAL	24	.017500000	.42
ADDITIONAL	23	.005000000	.12
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	15	.017500000	.26
ADDITIONAL	11	.005000000	.06
TEO			
SINGLE NETWORK			
INTERSWITCH			
INITIAL	24	.017500000	.42

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BILL NO 305 09
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 BILL DATE NOV 22, 2000
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***** LOCAL USAGE FOR OFFICE MIAMFLGRDS1 *****
 SEP 22 00 THRU OCT 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
ADDITIONAL MULTIPLE NETWORK INTERSWITCH	23	.005000000	.12
INITIAL	5	.017500000	.09
ADDITIONAL	4	.005000000	.02
ACCESS ORIGINATING EO			
MULTIPLE NETWORK INTERSWITCH			
INITIAL	18	.017500000	.32
ADDITIONAL	8	.005000000	.04
TERMINATING TEO			
MULTIPLE NETWORK INTERSWITCH			
INITIAL	28	.017500000	.49
ADDITIONAL	47	.005000000	.24
TOTAL ULS - SWITCH FUNC	468		4.31
TOTAL UNBUNDLED END OFFICE CHARGES - FL - EC 5191			4.31

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***** LOCAL USAGE FOR OFFICE MIAMFLGRDS1 *****
 OCT 22 00 THRU NOV 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT SHARED TRANSPORT - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING			
FTLDFTBCH4 - 026 MILES	5	.000012000	.01
FTLDFLWADS1 - 025 MILES	39	.000012000	.01
FTLDFL92DS0 - 011 MILES	27	.000012000	.01
HMSTFLHMDS0 - 028 MILES	18	.000012000	.01
MIAMFLAEDS0 - 005 MILES	97	.000012000	.01
MIAMFLAFCM1 - 001 MILES	2	.000012000	.01
MIAMFLAL63E - 004 MILES	19	.000012000	.01
MIAMFLAPDS0 - 006 MILES	75	.000012000	.01
MIAMFLBA85E - 003 MILES	29	.000012000	.01
MIAMFLBCDS0 - 002 MILES	8	.000012000	.01
MIAMFLBRDS0 - 004 MILES	94	.000012000	.01
MIAMFLCADS0 - 011 MILES	291	.000012000	.04
MIAMFLDADS0 - 001 MILES	164	.000012000	.01
MIAMFLDADS2 - 001 MILES	4	.000012000	.01
MIAMFLDBRS1 - 008 MILES	3	.000012000	.01
MIAMFLFLDS0 - 003 MILES	20	.000012000	.01
MIAMFLHLDS0 - 011 MILES	176	.000012000	.02
MIAMFLICDS0 - 008 MILES	4	.000012000	.01
MIAMFLKEDS0 - 007 MILES	4	.000012000	.01
MIAMFLNE32E - 002 MILES	33	.000012000	.01
MIAMFLNHDS0 - 009 MILES	19	.000012000	.01
MIAMFLNSDS0 - 006 MILES	1	.000012000	.01
MIAMFLOL68E - 009 MILES	19	.000012000	.01
MIAMFLPB88E - 007 MILES	18	.000012000	.01
MIAMFLPLDS0 - 010 MILES	184	.000012000	.02
MIAMFLRRDS0 - 008 MILES	44	.000012000	.01
MIAMFLSH75E - 006 MILES	10	.000012000	.01
MIAMFLSODS0 - 013 MILES	55	.000012000	.01
MIAMFLWODS0 - 017 MILES	49	.000012000	.01
MIAMFLWM26E - 007 MILES	137	.000012000	.01
MIAMFLYJCM2 - 024 MILES	1	.000012000	.01
MIAMFLYJCM5 - 024 MILES	2	.000012000	.01
MIAMFLPVDS0 - 010 MILES	1,046	.000012000	.13
MIAMFLPKDS0 - 010 MILES	6	.000012000	.01
MIAMFLYEDS5 - 001 MILES	1	.000012000	.01
MIAMFLYIDS6 - 001 MILES	1	.000012000	.01
MIAPFLYODS0 - 006 MILES	2	.000012000	.01
MIQFL96DS0 - 011 MILES	85	.000012000	.01
MIASFL68DS0 - 010 MILES	11	.000012000	.01
NDADFLAC94E - 011 MILES	4	.000012000	.01
NDADFLGGCM5 - 012 MILES	42	.000012000	.01
NDADFLGGDS0 - 012 MILES	1	.000012000	.01

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BILL NO 305 05
 INVOICE NO 305Q92
 BILL DATE NOV 22, 2000
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***** LOCAL USAGE FOR OFFICE MIAMFLGRDS1 *****
 OCT 22 00 THRU NOV 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
NDADFLGG1KD - 012 MILES	28	.000012000	.01
NDADFL0LDS0 - 013 MILES	1	.000012000	.01
OJUSFLTLD2 - 014 MILES	1	.000012000	.01
PMBHFLE0KD - 026 MILES	6	.000012000	.01
PRRNFLMADS0 - 015 MILES	22	.000012000	.01
COCYFL10DS1 - 012 MILES	62	.000012000	.01
TANDEM			
ORIGINATING			
BCRTFLSNM1 - 040 MILES	4	.000012000	.01
FYLDFLAMCM2 - 027 MILES	43	.000012000	.01
FYLDFLTCHM1 - 026 MILES	1	.000012000	.01
FYLDFLHOCM2 - 029 MILES	2	.000012000	.01
FYLDFLTBCM4 - 026 MILES	106	.000012000	.03
MIAMFLAFCH1 - 001 MILES	75	.000012000	.01
MIAMFLAPDS0 - 006 MILES	5	.000012000	.01
MIAMFLFLDS0 - 003 MILES	1	.000012000	.01
MIAMFLHLD0 - 011 MILES	1	.000012000	.01
MIAMFLMM26E - 007 MILES	1	.000012000	.01
MIAMFLYJCM0 - 024 MILES	36	.000012000	.01
MIAMFLYJCM2 - 024 MILES	2	.000012000	.01
MIAMFLYJCM5 - 024 MILES	85	.000012000	.02
NDADFLBRDS0 - 012 MILES	1	.000012000	.01
NDADFLGGCM4 - 012 MILES	6	.000012000	.01
NDADFLGGCM5 - 012 MILES	2	.000012000	.01
NDADFLGGCM6 - 012 MILES	12	.000012000	.01
NDADFLGGDS0 - 012 MILES	1	.000012000	.01
NDADFLGG01T - 012 MILES	9	.000012000	.01
OJUSFLTLCM1 - 014 MILES	15	.000012000	.01
OJUSFLTLCM2 - 014 MILES	1	.000012000	.01
PMBHFLJKCM2 - 012 MILES	2	.000012000	.01
PRRNFLAECM1 - 015 MILES	13	.000012000	.01
MIAMFLAL6SE - 004 MILES	1	.000012000	.01
NDADFLGG03T - 012 MILES	18	.000012000	.01
ACCESS			
TANDEM			
ORIGINATING			
NDADFLGG01T - 012 MILES	268	.000012000	.04
TERMINATING			
NDADFLGG01T - 012 MILES	114	.000012000	.02
NDADFLGG04T - 012 MILES	1	.000012000	.01

TOTAL UT SHRD TRANS	3,796		1.00

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BILL NO 305 Q9
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 BILL DATE NOV 22, 2000
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***** LOCAL USAGE FOR OFFICE MIAMFLGRDS1 *****
 OCT 22 00 THRU NOV 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO EO - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING	2,988	.000500000	1.49
TANDEM			
ORIGINATING	404	.000500000	.20

TOTAL UT F TERM EO-EO	3,392		1.69
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO TANDEM - FL - EC 5191			
LOCAL			
TANDEM			
ORIGINATING	27	.000500000	.01
ACCESS			
TANDEM			
ORIGINATING	298	.000500000	.15
TERMINATING	127	.000500000	.06

TOTAL UT F TERM EO-TAN	452		.22
UNBUNDLED TRANSPORT TANDEM SWITCHING - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING	2,945	.000290000	.85
TANDEM			
ORIGINATING	9	.000290000	.01
ORIGINATING	422	.000290000	.12
ACCESS			
TANDEM			
ORIGINATING	298	.000290000	.09
TERMINATING	127	.000290000	.04

TOTAL UT TANDEM SW	3,801		1.11
TOTAL UNBUNDLED TRANSPORT CHARGE - FL - EC 5191			4.02
UNBUNDLED END OFFICE - FL - EC 5191			
UNBUNDLED LOCAL SWITCHING - SWITCHING FUNCTIONALITY			
LOCAL			
ORIGINATING			
EO			
SINGLE NETWORK			
INTRASWITCH			
INITIAL	634	.017500000	11.10
ADDITIONAL	2,273	.005000000	11.37

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BILL NO 305 Q
 INVOICE NO 305Q92
 BILL DATE NOV 22, 2000
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***** LOCAL USAGE FOR OFFICE MIAMFLGRDS1 *****
 OCT 22 00 THRU NOV 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
INTERSWITCH			
INITIAL	656	.017500000	11.48
ADDITIONAL	875	.005000000	4.38
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	399	.017500000	6.98
ADDITIONAL	1,490	.005000000	7.45
TEO			
SINGLE NETWORK			
INTERSWITCH			
INITIAL	642	.017500000	11.24
ADDITIONAL	870	.005000000	4.35
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	195	.017500000	3.41
ADDITIONAL	1,291	.005000000	6.46
ACCESS			
ORIGINATING			
EO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	402	.017500000	7.04
ADDITIONAL	289	.005000000	1.45
TERMINATING			
TEO			
SINGLE NETWORK			
INTERSWITCH			
INITIAL	1	.017500000	.02
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	513	.017500000	8.98
ADDITIONAL	523	.005000000	2.62
TOTAL ULS - SWITCH FUNC	11,053		98.33
TOTAL UNBUNDLED END OFFICE CHARGES - FL - EC 5191			98.33
UNBUNDLED MISCELLANEOUS - FL - EC 5191			
FULLY AUTOMATED CALL			
HANDLED LEC LIDB	3	.100000000	.30
TOTAL UNBUNDLED MISCELLANEOUS CHARGES - FL - EC 5191			.30
TOTAL LOCAL USAGE CHARGES FOR OFFICE MIAMFLGRDS1			109.47

 TOTAL USAGE CHARGES FOR OFFICE MIAMFLGRDS1 109.47

10/1/00

BILL NO 305 00
 INVOICE NO 30509
 BILL DATE NOV 22, 2000
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***** LOCAL USAGE FOR OFFICE MIAMFLNMDS0 *****
 JUL 22 00 THRU AUG 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT SHARED TRANSPORT - FL - EC 5191			
ACCESS			
TANDEM			
ORIGINATING			
NDADFLGG01T - 004 MILES	38	.000012000	.01

TOTAL UT SHRD TRANS	38		.01
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO TANDEM - FL - EC 5191			
ACCESS			
TANDEM			
ORIGINATING	38	.000500000	.02

TOTAL UT F TERM EO-TAN	38		.02
UNBUNDLED TRANSPORT TANDEM SWITCHING - FL - EC 5191			
ACCESS			
TANDEM			
ORIGINATING	38	.000290000	.01

TOTAL UT TANDEM SW	38		.01
TOTAL UNBUNDLED TRANSPORT CHARGE - FL - EC 5191			.04
UNBUNDLED END OFFICE - FL - EC 5191			
UNBUNDLED LOCAL SWITCHING - SWITCHING FUNCTIONALITY			
ACCESS			
ORIGINATING			
EO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	15	.017500000	.26
ADDITIONAL	23	.005000000	.12

TOTAL ULS - SWITCH FUNC	38		.38
TOTAL UNBUNDLED END OFFICE CHARGES - FL - EC 519138

BILL NO 305
 INVOICE NO 30509
 BILL DATE NOV 22 2000
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***** LOCAL USAGE FOR OFFICE MIAMI FL NMS0 *****
 AUG 22 00 THRU SEP 21 00
 AUG 22 THRU SEP 06

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT SHARED TRANSPORT - FL - EC 5191 ACCESS TANDEM ORIGINATING NDADFLGG01T - 084 MILES	151	.000012000	.01

TOTAL UT SHRD TRANS	151		.01
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO TANDEM - FL - EC 5191 ACCESS TANDEM ORIGINATING	151	.000500000	.08

TOTAL UT F TERM EO-TAN	151		.08
UNBUNDLED TRANSPORT TANDEM SWITCHING - FL - EC 5191 ACCESS TANDEM ORIGINATING	151	.000290000	.04

TOTAL UT TANDEM SW	151		.04
TOTAL UNBUNDLED TRANSPORT CHARGE - FL - EC 5191			.13
UNBUNDLED END OFFICE - FL - EC 5191 UNBUNDLED LOCAL SWITCHING - SWITCHING FUNCTIONALITY ACCESS ORIGINATING EO MULTIPLE NETWORK INTERSWITCH INITIAL ADDITIONAL	58 94	.017500000 .005000000	1.02 .47
TERMINATING TEO MULTIPLE NETWORK INTERSWITCH INITIAL ADDITIONAL	6 1	.017500000 .005000000	.11 .01

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BILL NO 305 9
INVOICE NO 30599
BILL DATE NOV 22 2000
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***** LOCAL USAGE FOR OFFICE MIAMFLNDSO *****
AUG 22 00 THRU SEP 21 00
AUG 22 THRU SEP 06

RATE CATEGORY	QUANTITY	RATE	AMOUNT
TOTAL ULS - SWITCH FUNC	159		1.61
TOTAL UNBUNDLED END OFFICE CHARGES - FL - EC 5191			1.61

BILL NO 305 Q
 INVOICE NO 305Q9
 BILL DATE NOV 22, 2009
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***** LOCAL USAGE FOR OFFICE MIAMFLMDS0 *****
 AUG 22 08 THRU SEP 21 08
 SEP 07 THRU SEP 21

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT SHARED TRANSPORT - FL - EC 5191			
ACCESS TANDEM ORIGINATING NDADFLGC01T - 004 MILES	167	.000012000	.01

TOTAL UT SHRD TRANS	167		.01
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO TANDEM - FL - EC 5191			
ACCESS TANDEM ORIGINATING	167	.000500000	.08

TOTAL UT F TERM EO-TAN	167		.08
UNBUNDLED TRANSPORT TANDEM SWITCHING - FL - EC 5191			
ACCESS TANDEM ORIGINATING	167	.000290000	.05

TOTAL UT TANDEM SM	167		.05
TOTAL UNBUNDLED TRANSPORT CHARGE - FL - EC 5191			.14
UNBUNDLED END OFFICE - FL - EC 5191			
UNBUNDLED LOCAL SWITCHING - SWITCHING FUNCTIONALITY			
ACCESS ORIGINATING EO MULTIPLE NETWORK INTERSWITCH INITIAL	55	.017500000	.96
ADDITIONAL	113	.005000000	.57

TOTAL ULS - SWITCH FUNC	168		1.53
TOTAL UNBUNDLED END OFFICE CHARGES - FL - EC 5191			1.53

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***** LOCAL USAGE FOR OFFICE MIAMFLNMS0 *****
 SEP 22 00 THRU OCT 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT SHARED TRANSPORT - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING			
MIAMFLAPDS0 - 009 MILES	1	.000012000	.01
MIAMFLGRDS1 - 009 MILES	17	.000012000	.01
MIAMFLHDS0 - 009 MILES	4	.000012000	.01
MIAMFLNSDS0 - 006 MILES	25	.000012000	.01
MIAMFL0L68E - 005 MILES	30	.000012000	.01
MIAMFLPB88E - 009 MILES	1	.000012000	.01
MIAMFLRRDS0 - 015 MILES	1	.000012000	.01
MIAMFLSH75E - 004 MILES	4	.000012000	.01
MIAMFLS0DS0 - 019 MILES	1	.000012000	.01
MIAMFLW0DS0 - 023 MILES	1	.000012000	.01
MIAMFLYJCM5 - 020 MILES	1	.000012000	.01
MIAMFLWKDS0 - 013 MILES	7	.000012000	.01
MIAMFL06DS0 - 005 MILES	1	.000012000	.01
MIAMFLADDS0 - 008 MILES	28	.000012000	.01
NDADFLAC94E - 003 MILES	8	.000012000	.01
NDADFLBRDS0 - 006 MILES	6	.000012000	.01
NDADFLGGDS0 - 004 MILES	27	.000012000	.01
NDADFL0LDS0 - 005 MILES	3	.000012000	.01
OJUSFLTLCM1 - 006 MILES	1	.000012000	.01
PRRNFLMADS0 - 023 MILES	16	.000012000	.01
MIAMFLAEDS0 - 012 MILES	2	.000012000	.01
MIAMFLAL63E - 007 MILES	3	.000012000	.01
TANDEM			
ORIGINATING			
FTLDFLAICM1 - 022 MILES	1	.000012000	.01
FTLDFLAMCM2 - 019 MILES	9	.000012000	.01
FTLDFLHQCM2 - 021 MILES	1	.000012000	.01
FTLDFLTBCM4 - 018 MILES	1	.000012000	.01
MIAMFLHLD0 - 009 MILES	1	.000012000	.01
MIAMFLPLDS0 - 013 MILES	1	.000012000	.01
MIAMFLYJCM2 - 020 MILES	1	.000012000	.01
MIAMFLYJCM5 - 020 MILES	6	.000012000	.01
NDADFLBRDS0 - 006 MILES	1	.000012000	.01
NDADFLGGCM4 - 004 MILES	8	.000012000	.01
NDADFLGG01T - 004 MILES	4	.000012000	.01
OJUSFLTLCM1 - 006 MILES	6	.000012000	.01
ACCESS			
TANDEM			
ORIGINATING			
NDADFLGG01T - 004 MILES	43	.000012000	.01
TERMINATING			
NDADFLGG01T - 004 MILES	14	.000012000	.01

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***** LOCAL USAGE FOR OFFICE MIAMFLNMD50 *****
 SEP 22 00 THRU OCT 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
TOTAL UT SHRD TRANS	285		.36
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO EO - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING	177	.000500000	.09
TANDEM			
ORIGINATING	30	.000500000	.02
TOTAL UT F TERM EO-EO	207		.11
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO TANDEM - FL - EC 5191			
LOCAL			
TANDEM			
ORIGINATING	4	.000500000	.01
ACCESS			
TANDEM			
ORIGINATING	43	.000500000	.02
TERMINATING	14	.000500000	.01
TOTAL UT F TERM EO-TAN	61		.04
UNBUNDLED TRANSPORT TANDEM SWITCHING - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING	177	.000290000	.05
TANDEM			
ORIGINATING	4	.000290000	.01
ORIGINATING	30	.000290000	.01
ACCESS			
TANDEM			
ORIGINATING	43	.000290000	.01
TERMINATING	14	.000290000	.01
TOTAL UT TANDEM SW	268		.09
TOTAL UNBUNDLED TRANSPORT CHARGE - FL - EC 5191			.60

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***** LOCAL USAGE FOR OFFICE MIAMFLNMDSO *****
 SEP 22 00 THRU OCT 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED END OFFICE - FL - EC 5191			
UNBUNDLED LOCAL SWITCHING - SWITCHING FUNCTIONALITY			
LOCAL			
ORIGINATING			
EO			
SINGLE NETWORK			
INTRASWITCH			
INITIAL	5	.017500000	.09
ADDITIONAL	8	.005000000	.04
INTERSWITCH			
INITIAL	56	.017500000	.98
ADDITIONAL	90	.005000000	.45
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	27	.017500000	.47
ADDITIONAL	38	.005000000	.19
TEO			
SINGLE NETWORK			
INTERSWITCH			
INITIAL	56	.017500000	.98
ADDITIONAL	90	.005000000	.45
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	6	.017500000	.11
ADDITIONAL	30	.005000000	.15
ACCESS			
ORIGINATING			
EO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	38	.017500000	.67
ADDITIONAL	73	.005000000	.37
TERMINATING			
TEO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	48	.017500000	.84
ADDITIONAL	105	.005000000	.53
TOTAL ULS - SWITCH FUNC	670		6.32
TOTAL UNBUNDLED END OFFICE CHARGES - FL - EC 5191			6.32

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***** LOCAL USAGE FOR OFFICE MIAMFLMDS0 *****
 OCT 22 00 THRU NOV 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT SHARED TRANSPORT - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING			
FTLDFTBCM4 - 018 MILES	9	.000012000	.01
FTLDFLMADS1 - 016 MILES	3	.000012000	.01
FTLDFL92DS0 - 003 MILES	11	.000012000	.01
MIAMFLAEDS0 - 012 MILES	28	.000012000	.01
MIAMFLAFCH1 - 009 MILES	1	.000012000	.01
MIAMFLAL63E - 007 MILES	19	.000012000	.01
MIAMFLBA85E - 011 MILES	8	.000012000	.01
MIAMFLBCDS0 - 007 MILES	31	.000012000	.01
MIAMFLBRDS0 - 008 MILES	65	.000012000	.01
MIAMFLCADS0 - 016 MILES	9	.000012000	.01
MIAMFLDADSA - 009 MILES	1	.000012000	.01
MIAMFLGRDS1 - 009 MILES	69	.000012000	.01
MIAMFLHLDS0 - 009 MILES	78	.000012000	.01
MIAMFLICDS0 - 005 MILES	30	.000012000	.01
MIAMFLNSDS0 - 006 MILES	230	.000012000	.02
MIAMFLO68E - 005 MILES	255	.000012000	.02
MIAMFLPB88E - 009 MILES	46	.000012000	.01
MIAMFLPLDS0 - 013 MILES	28	.000012000	.01
MIAMFLRRDS0 - 015 MILES	29	.000012000	.01
MIAMFLSH75E - 004 MILES	216	.000012000	.01
MIAMFLSODS0 - 019 MILES	33	.000012000	.01
MIAMFLWODS0 - 023 MILES	14	.000012000	.01
MIAMFLWM26E - 012 MILES	28	.000012000	.01
MIAMFLVJCM2 - 020 MILES	3	.000012000	.01
MIAMFLVJCH5 - 020 MILES	16	.000012000	.01
MIAMFLPVDS0 - 013 MILES	3	.000012000	.01
MIAMFLWKDS0 - 013 MILES	37	.000012000	.01
MIAMFL06DS0 - 005 MILES	311	.000012000	.02
MIATFLADDS0 - 008 MILES	2,034	.000012000	.20
NDADFLAC94E - 003 MILES	262	.000012000	.01
NDADFLBRDS0 - 006 MILES	204	.000012000	.01
NDADFLGGCM4 - 004 MILES	18	.000012000	.01
NDADFLGGCM5 - 004 MILES	1	.000012000	.01
NDADFLGGDS0 - 004 MILES	195	.000012000	.01
NDADFLGG1KD - 004 MILES	2	.000012000	.01
NDADFLOLD0S0 - 005 MILES	34	.000012000	.01
PRRNFLMADS0 - 023 MILES	222	.000012000	.06
COCYFL10DS1 - 006 MILES	4	.000012000	.01
FTLDFLAHCM2 - 019 MILES	6	.000012000	.01
TANDEM			
ORIGINATING			
BCRTFLSNM1 - 032 MILES	2	.000012000	.01

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***** LOCAL USAGE FOR OFFICE MIAMFLNMDSO *****
 OCT 22 00 THRU NOV 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
FTLDFLAICM1 - 022 MILES	1	.000012000	.01
FTLDFLAMCH2 - 019 MILES	89	.000012000	.02
FTLDFLFTCM1 - 018 MILES	3	.000012000	.01
FTLDFLHQC2 - 021 MILES	1	.000012000	.01
FTLDFLTBCM4 - 018 MILES	34	.000012000	.01
MIAMFLAFCM1 - 009 MILES	6	.000012000	.01
MIAMFLAPDS0 - 009 MILES	8	.000012000	.01
MIAMFLHLD0 - 009 MILES	7	.000012000	.01
MIAMFLPLDS0 - 013 MILES	2	.000012000	.01
MIAMFLWM26E - 012 MILES	1	.000012000	.01
MIAMFLYJCM2 - 020 MILES	15	.000012000	.01
MIAMFLYJCM5 - 020 MILES	156	.000012000	.04
NDADFLBRDS0 - 006 MILES	2	.000012000	.01
NDADFLGGCM4 - 004 MILES	163	.000012000	.01
NDADFLGGCM5 - 004 MILES	40	.000012000	.01
NDADFLGGCM6 - 004 MILES	22	.000012000	.01
NDADFLGGDS0 - 004 MILES	2	.000012000	.01
NDADFLGG01T - 004 MILES	83	.000012000	.01
OJUSFLTLCM1 - 006 MILES	17	.000012000	.01
PMBHFLJCKM2 - 004 MILES	2	.000012000	.01
PRRNFLAECM1 - 022 MILES	1	.000012000	.01
NDADFLGG03T - 004 MILES	1	.000012000	.01
ACCESS			
TANDEM			
ORIGINATING			
NDADFLGG01T - 004 MILES	724	.000012000	.03
TERMINATING			
NDADFLGG01T - 004 MILES	521	.000012000	.02
NDADFLGG04T - 004 MILES	1	.000012000	.01

TOTAL UT SHRD TRANS	6,497		.99
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO EO - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING	4,575	.000500000	2.29
TANDEM			
ORIGINATING	564	.000500000	.28

TOTAL UT F TERM EO-EO	5,139		2.57
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO TANDEM - FL - EC 5191			
LOCAL			
TANDEM			
ORIGINATING	84	.000500000	.04

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***** LOCAL USAGE FOR OFFICE MIAMFLNMS0 *****
 OCT 22 00 THRU NOV 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
ACCESS			
TANDEM			
ORIGINATING	724	.000500000	.36
TERMINATING	521	.000500000	.26

TOTAL UT F TERM EO-TAN	1,329		.66
UNBUNDLED TRANSPORT TANDEM SWITCHING - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING	4,575	.000290000	1.33
TANDEM			
ORIGINATING	83	.000290000	.02
ORIGINATING	565	.000290000	.16
ACCESS			
TANDEM			
ORIGINATING	724	.000290000	.21
TERMINATING	521	.000290000	.15

TOTAL UT TANDEM SW	6,468		1.87
TOTAL UNBUNDLED TRANSPORT CHARGE - FL - EC 5191			6.09
UNBUNDLED END OFFICE - FL - EC 5191			
UNBUNDLED LOCAL SWITCHING - SWITCHING FUNCTIONALITY			
LOCAL			
ORIGINATING			
EO			
SINGLE NETWORK			
INTRASWITCH			
INITIAL	98	.017500000	1.72
ADDITIONAL	220	.005000000	1.10
INTERSWITCH			
INITIAL	679	.017500000	11.88
ADDITIONAL	1,578	.005000000	7.89
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	358	.017500000	6.27
ADDITIONAL	2,609	.005000000	13.05
TED			
SINGLE NETWORK			
INTERSWITCH			
INITIAL	678	.017500000	11.87
ADDITIONAL	1,578	.005000000	7.89
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	120	.017500000	2.10

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***** LOCAL USAGE FOR OFFICE MIAMFLNMDS0 *****
 OCT 22 00 THRU NOV 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
ACCESS ADDITIONAL	2,283	.005000000	11.42
ORIGINATING EO MULTIPLE NETWORK INTERSWITCH			
INITIAL	443	.017500000	7.75
ADDITIONAL	978	.005000000	4.89
TERMINATING TEO MULTIPLE NETWORK INTERSWITCH			
INITIAL	929	.017500000	16.26
ADDITIONAL	1,240	.005000000	6.20
TOTAL ULS - SWITCH FUNC	13,791		110.29
TOTAL UNBUNDLED END OFFICE CHARGES - FL - EC 5191			110.29
TOTAL LOCAL USAGE CHARGES FOR OFFICE MIAMFLNMDS0			127.13

 TOTAL USAGE CHARGES FOR OFFICE MIAMFLNMDS0 127.13

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***** LOCAL USAGE FOR OFFICE MIAMFLNSDSO *****
 JUN 22 00 THRU JUL 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT SHARED TRANSPORT - FL - EC 5191			
ACCESS			
TANDEM			
ORIGINATING			
NDADFL6601T - 008 MILES	1	.000012000	.01

TOTAL UT SHRD TRANS	1		.01
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO TANDEM - FL - EC 5191			
ACCESS			
TANDEM			
ORIGINATING	1	.000500000	.01

TOTAL UT F TERM EO-TAN	1		.01
UNBUNDLED TRANSPORT TANDEM SWITCHING - FL - EC 5191			
ACCESS			
TANDEM			
ORIGINATING	1	.000290000	.01

TOTAL UT TANDEM SW	1		.01
TOTAL UNBUNDLED TRANSPORT CHARGE - FL - EC 5191			.03
UNBUNDLED END OFFICE - FL - EC 5191			
UNBUNDLED LOCAL SWITCHING - SWITCHING FUNCTIONALITY			
ACCESS			
ORIGINATING			
EO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	1	.017500000	.02

TOTAL ULS - SWITCH FUNC	1		.02
TOTAL UNBUNDLED END OFFICE CHARGES - FL - EC 519102

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***** LOCAL USAGE FOR OFFICE MIAMFLNSDS0 *****
JUL 22 00 THRU AUG 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT SHARED TRANSPORT - FL - EC 5191 ACCESS TANDEM ORIGINATING NDADFLGG01T - 008 MILES	16	.000012000	.01
TOTAL UT SHRD TRANS	16		.01
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO TANDEM - FL - EC 5191 ACCESS TANDEM ORIGINATING	16	.000500000	.01
TOTAL UT F TERM EO-TAN	16		.01
UNBUNDLED TRANSPORT TANDEM SWITCHING - FL - EC 5191 ACCESS TANDEM ORIGINATING	16	.000290000	.01
TOTAL UT TANDEM SW	16		.01
TOTAL UNBUNDLED TRANSPORT CHARGE - FL - EC 5191			.03
UNBUNDLED END OFFICE - FL - EC 5191 UNBUNDLED LOCAL SWITCHING - SWITCHING FUNCTIONALITY ACCESS ORIGINATING EO MULTIPLE NETWORK INTERSWITCH INITIAL ADDITIONAL	8 9	.017500000 .005000000	.14 .05
TOTAL ULS - SWITCH FUNC	17		.19
TOTAL UNBUNDLED END OFFICE CHARGES - FL - EC 519119

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***** LOCAL USAGE FOR OFFICE MIAMFLNSDS0 *****
 AUG 22 00 THRU SEP 21 00
 AUG 22 THRU SEP 06

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT SHARED TRANSPORT - FL - EC 5191 ACCESS TANDEM ORIGINATING NDADFLG601T - 008 MILES	54	.000012000	.01
TOTAL UT SHRD TRANS	54		.01
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO TANDEM - FL - EC 5191 ACCESS TANDEM ORIGINATING	54	.000500000	.03
TOTAL UT F TERM EO-TAN	54		.03
UNBUNDLED TRANSPORT TANDEM SWITCHING - FL - EC 5191 ACCESS TANDEM ORIGINATING	54	.000290000	.02
TOTAL UT TANDEM SW	54		.02
TOTAL UNBUNDLED TRANSPORT CHARGE - FL - EC 5191			.06
UNBUNDLED END OFFICE - FL - EC 5191 UNBUNDLED LOCAL SWITCHING - SWITCHING FUNCTIONALITY ACCESS ORIGINATING EO MULTIPLE NETWORK INTERSWITCH INITIAL ADDITIONAL	13 42	.017500000 .005000000	.23 .21
TOTAL ULS - SWITCH FUNC	55		.44
TOTAL UNBUNDLED END OFFICE CHARGES - FL - EC 5191			.44

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***** LOCAL USAGE FOR OFFICE MIAMFLNSDS0 *****
 AUG 22 00 THRU SEP 21 00
 SEP 07 THRU SEP 21

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT SHARED TRANSPORT - FL - EC 5191 ACCESS TANDEM ORIGINATING NDADFLGG01T - 008 MILES	68	.000012000	.01
TOTAL UT SHRD TRANS	68		.01
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO TANDEM - FL - EC 5191 ACCESS TANDEM ORIGINATING	68	.000500000	.03
TOTAL UT F TERM EO-TAN	68		.03
UNBUNDLED TRANSPORT TANDEM SWITCHING - FL - EC 5191 ACCESS TANDEM ORIGINATING	68	.000290000	.02
TOTAL UT TANDEM SW	68		.02
TOTAL UNBUNDLED TRANSPORT CHARGE - FL - EC 5191			.06
UNBUNDLED END OFFICE - FL - EC 5191 UNBUNDLED LOCAL SWITCHING - SWITCHING FUNCTIONALITY ACCESS ORIGINATING EO MULTIPLE NETWORK INTERSWITCH INITIAL ADDITIONAL	12 57	.017500000 .005000000	.21 .29
TOTAL ULS - SWITCH FUNC	69		.50
TOTAL UNBUNDLED END OFFICE CHARGES - FL - EC 519150

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***** LOCAL USAGE FOR OFFICE MIAMFLNSDS0 *****
 SEP 22 00 THRU OCT 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT SHARED TRANSPORT - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING			
FTLDFL92DS0 - 008 MILES	3	.000012000	.01
HLWDFLWDS0 - 012 MILES	1	.000012000	.01
MIAMFLAL63E - 003 MILES	8	.000012000	.01
MIAMFLAPDS0 - 004 MILES	3	.000012000	.01
MIAMFLB85E - 007 MILES	5	.000012000	.01
MIAMFLBCDS0 - 004 MILES	1	.000012000	.01
MIAMFLCADS0 - 011 MILES	1	.000012000	.01
MIAMFLDADS0 - 006 MILES	1	.000012000	.01
MIAMFLFLDS0 - 006 MILES	1	.000012000	.01
MIAMFLGRDS1 - 006 MILES	88	.000012000	.01
MIAMFLHLDS0 - 006 MILES	14	.000012000	.01
MIAMFLICDS0 - 008 MILES	5	.000012000	.01
MIAMFLM32E - 004 MILES	3	.000012000	.01
MIAMFLNDS0 - 006 MILES	4	.000012000	.01
MIAMFLOL68E - 004 MILES	4	.000012000	.01
MIAMFLPB88E - 004 MILES	4	.000012000	.01
MIAMFLPLDS0 - 008 MILES	9	.000012000	.01
MIAMFLSH75E - 003 MILES	14	.000012000	.01
MIAMFLWDS0 - 017 MILES	3	.000012000	.01
MIAMFLYJCM5 - 019 MILES	2	.000012000	.01
NDADFLAC94E - 008 MILES	4	.000012000	.01
NDADFLBRDS0 - 007 MILES	38	.000012000	.01
NDADFLGGDS0 - 008 MILES	19	.000012000	.01
PRRNFLMADS0 - 018 MILES	3	.000012000	.01
FTLDFLAMCM2 - 022 MILES	1	.000012000	.01
FTLDFLPLDS0 - 020 MILES	10	.000012000	.01
TANDEM			
ORIGINATING			
BCRTFLSNCM1 - 036 MILES	1	.000012000	.01
FTLDFLAICM1 - 026 MILES	1	.000012000	.01
FTLDFLAMCM2 - 022 MILES	5	.000012000	.01
FTLDFLTBCM4 - 022 MILES	31	.000012000	.01
MIAMFLAFCM1 - 004 MILES	11	.000012000	.01
MIAMFLAPDS0 - 004 MILES	1	.000012000	.01
MIAMFLB85E - 007 MILES	1	.000012000	.01
MIAMFLHLDS0 - 006 MILES	1	.000012000	.01
MIAMFLPLDS0 - 008 MILES	1	.000012000	.01
MIAMFLWM26E - 007 MILES	5	.000012000	.01
MIAMFLYJCM5 - 019 MILES	8	.000012000	.01
NDADFLGGCM4 - 008 MILES	1	.000012000	.01
NDADFLGGCM5 - 008 MILES	8	.000012000	.01
NDADFLGG01T - 008 MILES	2	.000012000	.01

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***** LOCAL USAGE FOR OFFICE MIAMFLNSDS0 *****
 SEP 22 00 THRU OCT 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
QJUSFLTLCMI - 011 MILES	5	.000012000	.01
PRRNFLAECMI - 017 MILES	56	.000012000	.01
MIAMFLDSD0 - 006 MILES	1	.000012000	.01
NDADFLGG03T - 008 MILES	5	.000012000	.01
ACCESS			
TANDEM			
ORIGINATING			
NDADFLGG01T - 008 MILES	107	.000012000	.01
TERMINATING			
NDADFLGG01T - 008 MILES	38	.000012000	.01
NDADFLGG04T - 008 MILES	2	.000012000	.01
TOTAL UT SHRD TRANS			.47
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO EO - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING	237	.000500000	.12
TANDEM			
ORIGINATING	131	.000500000	.07
TOTAL UT F TERM EO-EO			.19
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO TANDEM - FL - EC 5191			
LOCAL			
TANDEM			
ORIGINATING	6	.000500000	.01
ACCESS			
TANDEM			
ORIGINATING	107	.000500000	.05
TERMINATING	40	.000500000	.02
TOTAL UT F TERM EO-TAN			.08
UNBUNDLED TRANSPORT TANDEM SWITCHING - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING	237	.000290000	.07
TANDEM			
ORIGINATING	2	.000290000	.01
ORIGINATING	135	.000290000	.04
ACCESS			
TANDEM			
ORIGINATING	107	.000290000	.03

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BILL NO 305 099
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 BILL DATE NOV 22, 2000
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***** LOCAL USAGE FOR OFFICE MIAMFLNSDSO *****
 SEP 22 00 THRU OCT 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
TERMINATING	40	.000290000	.01

TOTAL UT TANDEM SW	521		.16
TOTAL UNBUNDLED TRANSPORT CHARGE - FL - EC 5191			.90
UNBUNDLED END OFFICE - FL - EC 5191			
UNBUNDLED LOCAL SWITCHING - SWITCHING FUNCTIONALITY			
LOCAL			
ORIGINATING			
EO			
SINGLE NETWORK			
INTRASWITCH			
INITIAL	17	.017500000	.30
ADDITIONAL	30	.005000000	.15
INTERSWITCH			
INITIAL	85	.017500000	1.49
ADDITIONAL	155	.005000000	.78
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	39	.017500000	.68
ADDITIONAL	95	.005000000	.48
TEO			
SINGLE NETWORK			
INTERSWITCH			
INITIAL	81	.017500000	1.42
ADDITIONAL	155	.005000000	.78
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	3	.017500000	.05
ADDITIONAL	1	.005000000	.01
ACCESS			
ORIGINATING			
EO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	81	.017500000	1.42
ADDITIONAL	148	.005000000	.74
TERMINATING			
TEO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	68	.017500000	1.19
ADDITIONAL	117	.005000000	.59

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BILL NO 305 Q
INVOICE NO 305Q9
BILL DATE NOV 22, 2000
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***** LOCAL USAGE FOR OFFICE MIAMFLNSDSO *****
SEP 22 00 THRU OCT 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
TOTAL ULS - SWITCH FUNC	1,075		10.08
TOTAL UNBUNDLED END OFFICE CHARGES - FL - EC 5191			10.08
UNBUNDLED MISCELLANEOUS - FL - EC 5191	1	1.000000000	1.00
EMERGENCY INTERRUPT			
TOTAL UNBUNDLED MISCELLANEOUS CHARGES - FL - EC 5191			1.00

BILL NO 305
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***** LOCAL USAGE FOR OFFICE MIAMFLNSDS0 *****
 OCT 22 00 THRU NOV 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT SHARED TRANSPORT - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING			
FTLDFLANCH2 - 022 MILES	9	.000012000	.01
FTLDFLJADS0 - 020 MILES	22	.000012000	.01
FTLDFLPLDS0 - 020 MILES	2	.000012000	.01
FTLDFLTBCM1 - 022 MILES	1	.000012000	.01
FTLDFLTBCM4 - 022 MILES	5	.000012000	.01
FTLDFLWADS1 - 021 MILES	3	.000012000	.01
FTLDFL92DS0 - 008 MILES	22	.000012000	.01
HLWDFLWHDS0 - 012 MILES	13	.000012000	.01
HMSTFLWHDS0 - 031 MILES	5	.000012000	.01
MIAMFLAADS0 - 007 MILES	58	.000012000	.01
MIAMFLAFCM1 - 006 MILES	1	.000012000	.01
MIAMFLAL63E - 003 MILES	199	.000012000	.01
MIAMFLAPDS0 - 004 MILES	19	.000012000	.01
MIAMFLB8SE - 007 MILES	24	.000012000	.01
MIAMFLBCDS0 - 004 MILES	10	.000012000	.01
MIAMFLBRDS0 - 008 MILES	12	.000012000	.01
MIAMFLCADS0 - 011 MILES	169	.000012000	.02
MIAMFLDBRS1 - 010 MILES	4	.000012000	.01
MIAMFLFLDS0 - 006 MILES	75	.000012000	.01
MIAMFLGRDS0 - 006 MILES	4	.000012000	.01
MIAMFLGRDS1 - 006 MILES	4,064	.000012000	.29
MIAMFLHLDS0 - 006 MILES	300	.000012000	.02
MIAMFLICDS0 - 008 MILES	228	.000012000	.02
MIAMFLKEDS0 - 012 MILES	1	.000012000	.01
MIAMFLME32E - 004 MILES	30	.000012000	.01
MIAMFLNADS0 - 006 MILES	60	.000012000	.01
MIAMFLQL68E - 004 MILES	340	.000012000	.02
MIAMFLPB88E - 004 MILES	135	.000012000	.01
MIAMFLPLDS0 - 008 MILES	127	.000012000	.01
MIAMFLRRDS0 - 010 MILES	24	.000012000	.01
MIAMFLSH75E - 003 MILES	240	.000012000	.01
MIAMFLSODS0 - 014 MILES	71	.000012000	.01
MIAMFLWADS0 - 017 MILES	11	.000012000	.01
MIAMFLW26E - 007 MILES	62	.000012000	.01
MIAMFLYJCM5 - 019 MILES	48	.000012000	.01
MIAMFLPVDS0 - 008 MILES	6	.000012000	.01
MIAMFLWKDS0 - 008 MILES	1,311	.000012000	.13
MIAMFLYIDS5 - 006 MILES	9	.000012000	.01
MIAMFLYIDS6 - 006 MILES	26	.000012000	.01
MIAMFLYODS0 - 006 MILES	19	.000012000	.01
MIAMFL06DS0 - 006 MILES	10	.000012000	.01
MIAMFL68DS0 - 008 MILES	2	.000012000	.01

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BILL NO 305 Q
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 BILL DATE NOV 22, 2000
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***** LOCAL USAGE FOR OFFICE MIAMFLNSDS0 *****
 OCT 22 00 THRU NOV 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
NDADFLAC94E - 008 MILES	87	.000012000	.01
NDADFLBRDS0 - 007 MILES	550	.000012000	.05
NDADFLGGCM4 - 008 MILES	2	.000012000	.01
NDADFLGGCM5 - 008 MILES	3	.000012000	.01
NDADFLGGDS0 - 008 MILES	364	.000012000	.03
NDADFLGGIKD - 008 MILES	25	.000012000	.01
NDADFLOLDS0 - 010 MILES	16	.000012000	.01
PMBHFLEDDSO - 022 MILES	3	.000012000	.01
PMBHFLEDDKD - 022 MILES	7	.000012000	.01
PMBHFLJKM2 - 008 MILES	3	.000012000	.01
PRRNFLMADS0 - 018 MILES	59	.000012000	.01
COCYFL10DSI - 007 MILES	2	.000012000	.01
DRBHFLMADS0 - 034 MILES	1	.000012000	.01
TANDEM			
ORIGINATING			
BCRTFLSNCH1 - 036 MILES	6	.000012000	.01
FTLDFLAICH1 - 026 MILES	2	.000012000	.01
FTLDFLAICH2 - 022 MILES	74	.000012000	.02
FTLDFLFTCM1 - 022 MILES	1	.000012000	.01
FTLDFLHQCM2 - 025 MILES	4	.000012000	.01
FTLDFLTBCM4 - 022 MILES	77	.000012000	.02
MIAMFLAFCM1 - 006 MILES	43	.000012000	.01
MIAMFLAFDS0 - 004 MILES	11	.000012000	.01
MIAMFLBA85E - 007 MILES	3	.000012000	.01
MIAMFLFLDS0 - 006 MILES	1	.000012000	.01
MIAMFLHLDS0 - 006 MILES	13	.000012000	.01
MIAMFLNDS0 - 006 MILES	1	.000012000	.01
MIAMFLPB88E - 004 MILES	1	.000012000	.01
MIAMFLPLDS0 - 008 MILES	9	.000012000	.01
MIAMFLWM26E - 007 MILES	47	.000012000	.01
MIAMFLYJCM0 - 019 MILES	1	.000012000	.01
MIAMFLYJCM2 - 019 MILES	7	.000012000	.01
MIAMFLYJCM5 - 019 MILES	78	.000012000	.02
NDADFLBRDS0 - 007 MILES	1	.000012000	.01
NDADFLGGCM4 - 008 MILES	16	.000012000	.01
NDADFLGGCM5 - 008 MILES	68	.000012000	.01
NDADFLGGCM6 - 008 MILES	4	.000012000	.01
NDADFLGGDS0 - 008 MILES	4	.000012000	.01
NDADFLGG01T - 008 MILES	58	.000012000	.01
OJUSFLTLCM1 - 011 MILES	111	.000012000	.01
PMBHFLJKM2 - 008 MILES	3	.000012000	.01
PRRNFLAECM1 - 017 MILES	414	.000012000	.05
MIAMFLOL68E - 004 MILES	1	.000012000	.01
NDADFLGGDS0 - 008 MILES	1	.000012000	.01
NDADFLGG03T - 008 MILES	22	.000012000	.01

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BILL NO 305
 INVOICE NO 30509
 BILL DATE NOV 22, 2000
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***** LOCAL USAGE FOR OFFICE MIAMFLNSDS0 *****
 OCT 22 00 THRU NOV 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
ACCESS			
UNDETERMINED ROUTING			
ORIGINATING			
NDADFLGGDS0 - 008 MILES	1	.000012000	.01
TANDEM			
ORIGINATING			
NDADFLGG01T - 008 MILES	1,124	.000012000	.11
TERMINATING			
NDADFLGG01T - 008 MILES	863	.000012000	.08
NDADFLGG04T - 008 MILES	36	.000012000	.01

TOTAL UT SHRD TRANS	12,011		1.66
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO EO - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING	8,875	.000500000	4.44
TANDEM			
ORIGINATING	989	.000500000	.49
ACCESS			
UNDETERMINED ROUTING			
ORIGINATING	1	.000500000	.01

TOTAL UT F TERM EO-EO	9,865		4.94
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO TANDEM - FL - EC 5191			
LOCAL			
TANDEM			
ORIGINATING	79	.000500000	.04
ACCESS			
TANDEM			
ORIGINATING	1,124	.000500000	.56
TERMINATING	898	.000500000	.45

TOTAL UT F TERM EO-TAN	2,101		1.05
UNBUNDLED TRANSPORT FACILITIES TERMINATION TOPS TO EO - FL - EC 5191			
LOCAL			
TANDEM			
ORIGINATING	1	.000500000	.01

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BILL NO 305 09
 INVOICE NO 305Q92
 BILL DATE NOV 22, 2000
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***** LOCAL USAGE FOR OFFICE MIAMFLNSDSO *****
 OCT 22 00 THRU NOV 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
TOTAL UT F TERM TOPS-EO	1		.01
UNBUNDLED TRANSPORT TANDEM SWITCHING - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING TANDEM	8,875	.000290000	2.57
ORIGINATING	58	.000290000	.02
ORIGINATING	1,010	.000290000	.29
ACCESS			
UNDETERMINED ROUTING			
ORIGINATING TANDEM	1	.000290000	.01
ORIGINATING	1,124	.000290000	.33
TERMINATING	898	.000290000	.26
TOTAL UT TANDEM SW	11,966		3.48
TOTAL UNBUNDLED TRANSPORT CHARGE - FL - EC 5191			11.14
UNBUNDLED END OFFICE - FL - EC 5191			
UNBUNDLED LOCAL SWITCHING - SWITCHING FUNCTIONALITY			
LOCAL			
ORIGINATING			
EO			
SINGLE NETWORK			
INTRASWITCH			
INITIAL	370	.017500000	6.48
ADDITIONAL	294	.005000000	1.47
INTERSWITCH			
INITIAL	1,459	.017500000	25.53
ADDITIONAL	6,057	.005000000	30.29
MULTIPLE NETWORK			
INTRASWITCH			
INITIAL	613	.017500000	10.73
ADDITIONAL	1,814	.005000000	9.07
TEO			
SINGLE NETWORK			
INTRASWITCH			
INITIAL	1,442	.017500000	25.24
ADDITIONAL	6,054	.005000000	30.27
MULTIPLE NETWORK			
INTRASWITCH			
INITIAL	108	.017500000	1.89
ADDITIONAL	1,332	.005000000	6.66

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BILL NO 305
 INVOICE NO 305Q
 BILL DATE NOV 22 1984
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***** LOCAL USAGE FOR OFFICE MIAMFLNSDS0 *****
 OCT 22 88 THRU NOV 21 88

RATE CATEGORY	QUANTITY	RATE	AMOUNT
ACCESS			
ORIGINATING			
EO			
SINGLE NETWORK			
INTERSWITCH			
INITIAL	1	.017500000	.02
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	749	.017500000	13.11
ADDITIONAL	1,344	.005000000	6.72
TERMINATING			
TEO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	1,033	.017500000	18.08
ADDITIONAL	1,606	.005000000	8.03
TOTAL ULS - SWITCH FUNC	24,276		193.59
TOTAL UNBUNDLED END OFFICE CHARGES - FL - EC 5191			193.59
UNBUNDLED MISCELLANEOUS - FL - EC 5191			
DIRECTORY ASSISTANCE CALL			
COMPLETION	1	.030000000	.03
FULLY AUTOMATED CALL			
HANDLED LEC LTDB	2	.100000000	.20
TOTAL UNBUNDLED MISCELLANEOUS CHARGES - FL - EC 519123
TOTAL LOCAL USAGE CHARGES FOR OFFICE MIAMFLNSDS0			218.27

TOTAL USAGE CHARGES FOR OFFICE MIAMFLNSDS0			218.27

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BILL NO 305 Q92
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***** LOCAL USAGE FOR OFFICE MIAMFL0168E *****
 SEP 22 00 THRU OCT 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT SHARED TRANSPORT - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING			
MIAMFLAL63E - 007 MILES	1	.000012000	.01
MIAMFLBRDS0 - 010 MILES	2	.000012000	.01
MIAMFLNSDS0 - 004 MILES	12	.000012000	.01
MIAMFLPLDS0 - 010 MILES	2	.000012000	.01
MIAMFLRRDS0 - 013 MILES	1	.000012000	.01
MIAMFLYJCM5 - 016 MILES	1	.000012000	.01
NDADFLAC94E - 006 MILES	1	.000012000	.01
NDADFLBRDS0 - 003 MILES	13	.000012000	.01
NDADFLGGDS0 - 005 MILES	9	.000012000	.01
PRRNFLMADS0 - 021 MILES	3	.000012000	.01
TANDEM			
ORIGINATING			
BCRTFLSNCH1 - 033 MILES	1	.000012000	.01
MIAMFLAFCH1 - 010 MILES	6	.000012000	.01
MIAMFLAPDS0 - 007 MILES	1	.000012000	.01
MIAMFLYJCM5 - 016 MILES	3	.000012000	.01
NDADFLGGCM5 - 005 MILES	1	.000012000	.01
NDADFLGGDS0 - 005 MILES	1	.000012000	.01
OJUSFLTLCM1 - 009 MILES	1	.000012000	.01
ACCESS			
TANDEM			
TERMINATING			
NDADFLGG01T - 005 MILES	1	.000012000	.01
TOTAL UT SHRD TRANS			.18
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO EO - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING			
	42	.000500000	.02
TANDEM			
ORIGINATING			
	10	.000500000	.01
TOTAL UT F TERM EO-EO			.03
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO TANDEM - FL - EC 5191			
ACCESS			
TANDEM			
TERMINATING			
	1	.000500000	.01

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BILL NO 305 Q9
 INVOICE NO 305Q92
 BILL DATE NOV 22 2000
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***** LOCAL USAGE FOR OFFICE MIAMFLOL68E *****
 SEP 22 00 THRU OCT 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
TOTAL UT F TERM EO-TAN	1		.01
UNBUNDLED TRANSPORT TANDEM SWITCHING - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING	42	.000290000	.01
TANDEM			
ORIGINATING	10	.000290000	.01
ACCESS			
TANDEM			
TERMINATING	1	.000290000	.01
TOTAL UT TANDEM SW	53		.03
TOTAL UNBUNDLED TRANSPORT CHARGE - FL - EC 5191			.25
UNBUNDLED END OFFICE - FL - EC 5191			
UNBUNDLED LOCAL SWITCHING - SWITCHING FUNCTIONALITY			
LOCAL			
ORIGINATING			
EO			
SINGLE NETWORK			
INTRASWITCH			
INITIAL	10	.017500000	.18
ADDITIONAL	12	.005000000	.06
INTERSWITCH			
INITIAL	21	.017500000	.37
ADDITIONAL	21	.005000000	.11
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	6	.017500000	.11
ADDITIONAL	4	.005000000	.02
TEO			
SINGLE NETWORK			
INTERSWITCH			
INITIAL	21	.017500000	.37
ADDITIONAL	21	.005000000	.11
ACCESS			
ORIGINATING			
EO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	1	.017500000	.02

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BILL NO 305 Q
 INVOICE NO 305Q92
 BILL DATE NOV 22, 2000
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***** LOCAL USAGE FOR OFFICE MIAMFLOL68E *****
 SEP 22 00 THRU OCT 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
TERMINATING			
TEO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	21	.017500000	.37
ADDITIONAL	6	.005000000	.03
	-----		-----
TOTAL ULS - SWITCH FUNC	144		1.75
TOTAL UNBUNDLED END OFFICE CHARGES - FL - EC 5191			1.75

BILL NO 305 8
 INVOICE NO 30509
 BILL DATE NOV 22, 2000
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***** LOCAL USAGE FOR OFFICE MIAMFL068E *****
 OCT 22 00 THRU NOV 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT SHARED TRANSPORT - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING			
FTLDFLTBCM4 - 018 MILES	6	.000012000	.01
FTLDFL92DS0 - 006 MILES	2	.000012000	.01
MIAMFLAEDS0 - 011 MILES	5	.000012000	.01
MIAMFLAL63E - 007 MILES	37	.000012000	.01
MIAMFLB885E - 011 MILES	4	.000012000	.01
MIAMFLBRDS0 - 010 MILES	11	.000012000	.01
MIAMFLCADS0 - 013 MILES	1	.000012000	.01
MIAMFLGRDS1 - 009 MILES	21	.000012000	.01
MIAMFLHLD50 - 005 MILES	4	.000012000	.01
MIAMFLHE32E - 008 MILES	13	.000012000	.01
MIAMFLHMDS0 - 005 MILES	23	.000012000	.01
MIAMFLNSDS0 - 004 MILES	41	.000012000	.01
MIAMFLPLDS0 - 010 MILES	11	.000012000	.01
MIAMFLRRDS0 - 013 MILES	12	.000012000	.01
MIAMFLSH75E - 005 MILES	37	.000012000	.01
MIAMFLS0DS0 - 017 MILES	7	.000012000	.01
MIAMFLWDD50 - 020 MILES	4	.000012000	.01
MIAMFLYJCM2 - 016 MILES	3	.000012000	.01
MIAMFLYJCM5 - 016 MILES	9	.000012000	.01
MIAMFLPVDS0 - 010 MILES	8	.000012000	.01
NDADFLAC94E - 006 MILES	53	.000012000	.01
NDADFLBRDS0 - 003 MILES	199	.000012000	.01
NDADFLGGCM4 - 005 MILES	2	.000012000	.01
NDADFLGGDS0 - 005 MILES	22	.000012000	.01
NDADFLGGIRD - 005 MILES	4	.000012000	.01
NDADFLGG2KD - 005 MILES	3	.000012000	.01
NDADFL0LDS0 - 008 MILES	4	.000012000	.01
OJUSFLTLCM1 - 009 MILES	12	.000012000	.01
PMBHFLED0KD - 019 MILES	1	.000012000	.01
TANDEN			
ORIGINATING			
BCRTFLSNM1 - 033 MILES	2	.000012000	.01
FTLDFLAMCM2 - 019 MILES	26	.000012000	.01
FTLDFLHQCM2 - 021 MILES	1	.000012000	.01
FTLDFLTBCM4 - 018 MILES	14	.000012000	.01
MIAMFLAFCH1 - 010 MILES	23	.000012000	.01
MIAMFLAPDS0 - 007 MILES	2	.000012000	.01
MIAMFLHLD50 - 005 MILES	3	.000012000	.01
MIAMFLPLDS0 - 010 MILES	1	.000012000	.01
MIAMFLWM26E - 010 MILES	1	.000012000	.01
MIAMFLYJCM5 - 016 MILES	16	.000012000	.01
NDADFLBRDS0 - 003 MILES	2	.000012000	.01

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BILL NO 305 99
 INVOICE NO 305992
 BILL DATE NOV 22, 2000
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***** LOCAL USAGE FOR OFFICE MIAMFLOL68E *****
 OCT 22 00 THRU NOV 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
NDADFLGGCM4 - 005 MILES	4	.000012000	.01
NDADFLGGCM5 - 005 MILES	3	.000012000	.01
NDADFLGGCM6 - 005 MILES	1	.000012000	.01
NDADFLGGDS0 - 005 MILES	3	.000012000	.01
DJUSFLTLCM1 - 009 MILES	66	.000012000	.01
DJUSFLTLCM2 - 009 MILES	9	.000012000	.01
PRRNFLAECM1 - 020 MILES	2	.000012000	.01
ACCESS			
TANDEM			
ORIGINATING			
NDADFLGG01T - 005 MILES	58	.000012000	.01
TERMINATING			
NDADFLGG01T - 005 MILES	141	.000012000	.01
TOTAL UT SHRD TRANS			.49
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO EO - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING	546	.000500000	.27
TANDEM			
ORIGINATING	169	.000500000	.08
TOTAL UT F TERM EO-EO			.35
UNBUNDLED TRANSPORT FACILITIES TERMINATION ED TO TANDEM - FL - EC 5191			
ACCESS			
TANDEM			
ORIGINATING	58	.000500000	.03
TERMINATING	141	.000500000	.07
TOTAL UT F TERM EO-TAN			.10
UNBUNDLED TRANSPORT TANDEM SWITCHING - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING	546	.000290000	.16
TANDEM			
ORIGINATING	169	.000290000	.05
ACCESS			
TANDEM			
ORIGINATING	58	.000290000	.02
TERMINATING	141	.000290000	.04

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BILL NO 305 09
 INVOICE NO 305Q92
 BILL DATE NOV 22, 1998
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***** LOCAL USAGE FOR OFFICE MIAMFL0L68E *****
 OCT 22 00 THRU NOV 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
TOTAL UT TANDEM SW	914		.27
TOTAL UNBUNDLED TRANSPORT CHARGE - FL - EC 5191			1.21
UNBUNDLED END OFFICE - FL - EC 5191			
UNBUNDLED LOCAL SWITCHING - SWITCHING FUNCTIONALITY			
LOCAL			
ORIGINATING			
EO			
SINGLE NETWORK			
INTRASWITCH			
INITIAL	60	.017500000	1.05
ADDITIONAL	50	.005000000	.25
INTERSWITCH			
INITIAL	194	.017500000	3.40
ADDITIONAL	337	.005000000	1.69
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	99	.017500000	1.73
ADDITIONAL	86	.005000000	.43
TEO			
SINGLE NETWORK			
INTERSWITCH			
INITIAL	194	.017500000	3.40
ADDITIONAL	337	.005000000	1.69
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	6	.017500000	.11
ADDITIONAL	10	.005000000	.05
ACCESS			
ORIGINATING			
EO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	32	.017500000	.56
ADDITIONAL	69	.005000000	.35
TERMINATING			
TEO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	240	.017500000	4.20
ADDITIONAL	562	.005000000	2.81

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***** LOCAL USAGE FOR OFFICE MIAMFLOL68E *****
OCT 22 00 THRU NOV 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
TOTAL ULS - SWITCH FUNC	2,276		21.72
TOTAL UNBUNDLED END OFFICE CHARGES - FL - EC 5191			21.72
TOTAL LOCAL USAGE CHARGES FOR OFFICE MIAMFLOL68E			24.93

TOTAL USAGE CHARGES FOR OFFICE MIAMFLOL68E 24.93

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***** LOCAL USAGE FOR OFFICE MIAMFLPB88E *****
 SEP 22 00 THRU OCT 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT SHARED TRANSPORT - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING			
MIAMFLSH75E - 007 MILES	21	.000012000	.01
ACCESS			
TANDEM			
TERMINATING			
NDADFLGG01T - 011 MILES	8	.000012000	.01

TOTAL UT SHRD TRANS	29		.02
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO EO - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING	21	.000500000	.01

TOTAL UT F TERM EO-EO	21		.01
UNBUNDLED TRANSPORT FACILITIES TERMINATION ED TO TANDEM - FL - EC 5191			
ACCESS			
TANDEM			
TERMINATING	8	.000500000	.01

TOTAL UT F TERM EO-TAN	8		.01
UNBUNDLED TRANSPORT TANDEM SWITCHING - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING	21	.000290000	.01
ACCESS			
TANDEM			
TERMINATING	8	.000290000	.01

TOTAL UT TANDEM SW	29		.02
TOTAL UNBUNDLED TRANSPORT CHARGE - FL - EC 5191			.06

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***** LOCAL USAGE FOR OFFICE MIAMFLPB88E *****
 SEP 22 00 THRU OCT 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED END OFFICE - FL - EC 5191			
UNBUNDLED LOCAL SWITCHING - SWITCHING FUNCTIONALITY			
LOCAL			
ORIGINATING			
EO			
SINGLE NETWORK			
INTERSWITCH			
INITIAL	3	.017500000	.05
ADDITIONAL	18	.005000000	.09
TEO			
SINGLE NETWORK			
INTERSWITCH			
INITIAL	3	.017500000	.05
ADDITIONAL	18	.005000000	.09
ACCESS			
TERMINATING			
TEO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	1	.017500000	.02
ADDITIONAL	7	.005000000	.04
	-----		-----
TOTAL ULS - SWITCH FUNC	50		.34
TOTAL UNBUNDLED END OFFICE CHARGES - FL - EC 519134

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***** LOCAL USAGE FOR OFFICE MIAMFLPB88E *****
 OCT 22 00 THRU NOV 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT SHARED TRANSPORT - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING			
FTLDFLHQC2 - 027 MILES	1	.000012000	.01
MIAMFLAL63E - 003 MILES	14	.000012000	.01
MIAMFLCADS0 - 008 MILES	2	.000012000	.01
MIAMFLHLDSD - 005 MILES	1	.000012000	.01
MIAMFLME32E - 005 MILES	5	.000012000	.01
MIAMFLNMDSD - 009 MILES	119	.000012000	.01
MIAMFLLOL68E - 007 MILES	173	.000012000	.01
MIAMFLSH75E - 007 MILES	510	.000012000	.04
NDADFLAC94E - 011 MILES	1	.000012000	.01
NDADFLGGDS0 - 011 MILES	3	.000012000	.01
TANDEM			
ORIGINATING			
MIAMFLW26E - 004 MILES	1	.000012000	.01
NDADFLGGCM5 - 011 MILES	3	.000012000	.01
OJUSFLTLCM1 - 014 MILES	35	.000012000	.01
NDADFLGG03T - 011 MILES	3	.000012000	.01
ACCESS			
TANDEM			
ORIGINATING			
NDADFLGG01T - 011 MILES	11	.000012000	.01
TERMINATING			
NDADFLGG01T - 011 MILES	9	.000012000	.01
TOTAL UT SHRD TRANS			.19
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO EO - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING	823	.000500000	.41
TANDEM			
ORIGINATING	38	.000500000	.02
TOTAL UT F TERM EO-EO			.43
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO TANDEM - FL - EC 5191			
LOCAL			
TANDEM			
ORIGINATING	3	.000500000	.01

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***** LOCAL USAGE FOR OFFICE MIAMFLPB88E *****
 OCT 22 00 THRU NOV 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
ACCESS			
TANDEM			
ORIGINATING	11	.000500000	.01
TERMINATING	9	.000500000	.01

TOTAL UT F TERM EO-TAN	23		.03
UNBUNDLED TRANSPORT TANDEM SWITCHING - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING	823	.000290000	.24
TANDEM			
ORIGINATING	48	.000290000	.01
ACCESS			
TANDEM			
ORIGINATING	11	.000290000	.01
TERMINATING	9	.000290000	.01

TOTAL UT TANDEM SW	883		.27
TOTAL UNBUNDLED TRANSPORT CHARGE - FL - EC 5191			.92
UNBUNDLED END OFFICE - FL - EC 5191			
UNBUNDLED LOCAL SWITCHING - SWITCHING FUNCTIONALITY			
LOCAL			
ORIGINATING			
EO			
SINGLE NETWORK			
INTRASWITCH			
INITIAL			
	2	.017500000	.04
ADDITIONAL			
	1	.005000000	.01
INTERSWITCH			
INITIAL			
	100	.017500000	1.75
ADDITIONAL			
	726	.005000000	3.63
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL			
	9	.017500000	.16
ADDITIONAL			
	30	.005000000	.15
TEO			
SINGLE NETWORK			
INTERSWITCH			
INITIAL			
	98	.017500000	1.72
ADDITIONAL			
	726	.005000000	3.63

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***** LOCAL USAGE FOR OFFICE MIAMFLPB88E *****
 OCT 22 00 THRU NOV 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
ACCESS			
ORIGINATING			
EO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	8	.017500000	.14
ADDITIONAL	13	.005000000	.07
TERMINATING			
TEO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	7	.017500000	.12
ADDITIONAL	19	.005000000	.10

TOTAL ULS - SWITCH FUNC 1,739 11.52
 TOTAL UNBUNDLED END OFFICE CHARGES - FL - EC 5191 11.52

TOTAL LOCAL USAGE CHARGES FOR OFFICE MIAMFLPB88E 12.84

 TOTAL USAGE CHARGES FOR OFFICE MIAMFLPB88E 12.84

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***** LOCAL USAGE FOR OFFICE MIAMFLSH75E *****
 SEP 22 00 THRU OCT 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT SHARED TRANSPORT - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING			
MIAMFLAL63E - 004 MILES	16	.000012000	.01
MIAMFLBCDS0 - 004 MILES	15	.000012000	.01
MIAMFLGRDS1 - 006 MILES	16	.000012000	.01
MIAMFLNMS0 - 004 MILES	14	.000012000	.01
MIAMFLNSDS0 - 003 MILES	27	.000012000	.01
MIAMFLQL68E - 005 MILES	3	.000012000	.01
MIAMFLPB88E - 007 MILES	3	.000012000	.01
MIAMFLWKDS0 - 010 MILES	7	.000012000	.01
MIAPFLYODS0 - 008 MILES	1	.000012000	.01
MIAPFL06DS0 - 006 MILES	3	.000012000	.01
NDADFLAC94E - 006 MILES	30	.000012000	.01
NDADFLGGDS0 - 007 MILES	5	.000012000	.01
TANDEM			
ORIGINATING			
BCRTFLSNCH1 - 035 MILES	1	.000012000	.01
FTLDFLAMCH2 - 021 MILES	10	.000012000	.01
FTLDFLT8CH4 - 021 MILES	3	.000012000	.01
MIAMFLHDS0 - 008 MILES	1	.000012000	.01
MIAMFLWM26E - 009 MILES	1	.000012000	.01
NDADFLBRDS0 - 007 MILES	1	.000012000	.01
OJUSFLT1CH1 - 009 MILES	1	.000012000	.01
ACCESS			
TANDEM			
ORIGINATING			
NDADFLGG01T - 007 MILES	42	.000012000	.01
TERMINATING			
NDADFLGG01T - 007 MILES	3	.000012000	.01
TOTAL UT SHRD TRANS			.21

UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO EO - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING			
	134	.000500000	.07
TANDEM			
ORIGINATING			
	14	.000500000	.01
TOTAL UT F TERM EO-EO			.08

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***** LOCAL USAGE FOR OFFICE MIAMFLSH75E *****
 SEP 22 00 THRU OCT 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO TANDEM - FL - EC 5191			
ACCESS			
TANDEM			
ORIGINATING	42	.000500000	.02
TERMINATING	3	.000500000	.01
-----			-----
TOTAL UT F TERM EO-TAN	45		.03
UNBUNDLED TRANSPORT TANDEM SWITCHING - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING	134	.000290000	.04
TANDEM			
ORIGINATING	14	.000290000	.01
ACCESS			
TANDEM			
ORIGINATING	42	.000290000	.01
TERMINATING	3	.000290000	.01
-----			-----
TOTAL UT TANDEM SW	193		.07
TOTAL UNBUNDLED TRANSPORT CHARGE - FL - EC 5191			.39
UNBUNDLED END OFFICE - FL - EC 5191			
UNBUNDLED LOCAL SWITCHING - SWITCHING FUNCTIONALITY			
LOCAL			
ORIGINATING			
EO			
SINGLE NETWORK			
INTRASWITCH			
INITIAL	36	.017500000	.63
ADDITIONAL	21	.005000000	.11
INTERSWITCH			
INITIAL	48	.017500000	.84
ADDITIONAL	77	.005000000	.39
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	14	.017500000	.25
ADDITIONAL	10	.005000000	.05
TEO			
SINGLE NETWORK			
INTERSWITCH			
INITIAL	48	.017500000	.84
ADDITIONAL	77	.005000000	.39

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***** LOCAL USAGE FOR OFFICE MIAMFLSH75E *****
 SEP 22 00 THRU OCT 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	5	.017500000	.09
ADDITIONAL	5	.005000000	.03
ACCESS			
ORIGINATING			
EO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	5	.017500000	.09
ADDITIONAL	37	.005000000	.19
TERMINATING			
TEO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	22	.017500000	.39
ADDITIONAL	30	.005000000	.15
TOTAL ULS - SWITCH FUNC	435		4.44
TOTAL UNBUNDLED END OFFICE CHARGES - FL - EC 5191			4.44

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***** LOCAL USAGE FOR OFFICE MIAMFLSH75E *****
 OCT 22 00 THRU NOV 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT SHARED TRANSPORT - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING			
FTLDFLWADS1 - 020 MILES	2	.000012000	.01
FTLDFL9ZDS0 - 006 MILES	2	.000012000	.01
MIAMFLAEDS0 - 008 MILES	1	.000012000	.01
MIAMFLA63E - 004 MILES	176	.000012000	.01
MIAMFLBA85E - 007 MILES	2	.000012000	.01
MIAMFLBCDS0 - 004 MILES	66	.000012000	.01
MIAMFLBRDS0 - 006 MILES	9	.000012000	.01
MIAMFLCADS0 - 013 MILES	4	.000012000	.01
MIAMFLGRDS1 - 006 MILES	16	.000012000	.01
MIAMFLHLD0S0 - 008 MILES	32	.000012000	.01
MIAMFLICDS0 - 005 MILES	7	.000012000	.01
MIAMFLMERS0 - 005 MILES	1	.000012000	.01
MIAMFLME32E - 005 MILES	20	.000012000	.01
MIAMFLNWD0S0 - 004 MILES	160	.000012000	.01
MIAMFLNSDS0 - 003 MILES	221	.000012000	.01
MIAMFL0L68E - 005 MILES	113	.000012000	.01
MIAMFLPB88E - 007 MILES	114	.000012000	.01
MIAMFLPLDS0 - 011 MILES	19	.000012000	.01
MIAMFLRRDS0 - 012 MILES	10	.000012000	.01
MIAMFLSODS0 - 016 MILES	6	.000012000	.01
MIAMFLWM26E - 009 MILES	5	.000012000	.01
MIAMFLYJCM5 - 021 MILES	7	.000012000	.01
MIANFLPVDS0 - 011 MILES	4	.000012000	.01
MIANFLWKDS0 - 010 MILES	22	.000012000	.01
MIAPFLYODS0 - 008 MILES	1	.000012000	.01
MIQFL06DS0 - 006 MILES	43	.000012000	.01
MIASFL68DS0 - 011 MILES	9	.000012000	.01
NDADFLAC94E - 006 MILES	92	.000012000	.01
NDADFLBRDS0 - 007 MILES	27	.000012000	.01
NDADFLGDS0 - 007 MILES	135	.000012000	.01
NDADFLGG1KD - 007 MILES	1	.000012000	.01
NDADFL0LDS0 - 008 MILES	2	.000012000	.01
PRRNFLMADS0 - 019 MILES	13	.000012000	.01
FTLDFLANCM2 - 021 MILES	2	.000012000	.01
FTLDFLTBCM4 - 021 MILES	5	.000012000	.01
TANDEM			
ORIGINATING			
BCRTFLSNM1 - 035 MILES	2	.000012000	.01
FTLDFLAICM1 - 025 MILES	1	.000012000	.01
FTLDFLANCM2 - 021 MILES	21	.000012000	.01
FTLDFLFTCM1 - 021 MILES	13	.000012000	.01
FTLDFLHQCM2 - 024 MILES	3	.000012000	.01

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***** LOCAL USAGE FOR OFFICE MIAMFLSH75E *****
 OCT 22 00 THRU NOV 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
FILDFLTBCM4 - 021 MILES	21	.000012000	.01
MIAMFLAFCH1 - 006 MILES	43	.000012000	.01
MIAMFLAPDS0 - 007 MILES	6	.000012000	.01
MIAMFLFLDS0 - 007 MILES	1	.000012000	.01
MIAMFLHDS0 - 008 MILES	7	.000012000	.01
MIAMFLMDS0 - 004 MILES	2	.000012000	.01
MIAMFLPLDS0 - 011 MILES	3	.000012000	.01
MIAMFLM26E - 009 MILES	2	.000012000	.01
MIAMFLYJCH5 - 021 MILES	3	.000012000	.01
NDADFLBRDS0 - 007 MILES	5	.000012000	.01
NDADFLGGCH4 - 007 MILES	1	.000012000	.01
NDADFLGGCH5 - 007 MILES	3	.000012000	.01
NDADFLGGCH6 - 007 MILES	2	.000012000	.01
NDADFLGGDS0 - 007 MILES	2	.000012000	.01
OJUSFLTLCM1 - 009 MILES	6	.000012000	.01
PRRNFLAECM1 - 019 MILES	2	.000012000	.01
MIAMFLMDS0 - 004 MILES	2	.000012000	.01
MIAMFLQL68E - 005 MILES	2	.000012000	.01
NDADFLGG01T - 007 MILES	2	.000012000	.01
NDADFL0LDS0 - 008 MILES	2	.000012000	.01
NDADFLGG03T - 007 MILES	21	.000012000	.01
ACCESS			
TANDEM			
ORIGINATING			
NDADFLGG01T - 007 MILES	70	.000012000	.01
TERMINATING			
NDADFLGG01T - 007 MILES	107	.000012000	.01
NDADFLGG04T - 007 MILES	4	.000012000	.01
WPBHFLGR02T - 069 MILES	1	.000012000	.01

TOTAL UT SHRD TRANS	1,709		.65
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO EO - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING	1,330	.000500000	.67
TANDEM			
ORIGINATING	144	.000500000	.07

TOTAL UT F TERM EO-EO	1,474		.74
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO TANDEM - FL - EC 5191			
LOCAL			
TANDEM			
ORIGINATING	21	.000500000	.01

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***** LOCAL USAGE FOR OFFICE MIAMFLSH75E *****
 OCT 22 00 THRU NOV 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
ACCESS			
TANDEM			
ORIGINATING	70	.000500000	.04
TERMINATING	111	.000500000	.06

TOTAL UT F TERM EO-TAN	202		.11
UNBUNDLED TRANSPORT FACILITIES TERMINATION TOPS TO EO - FL - EC 5191			
LOCAL			
TANDEM			
ORIGINATING	12	.000500000	.01

TOTAL UT F TERM TOPS-EO	12		.01
UNBUNDLED TRANSPORT TANDEM SWITCHING - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING	1,330	.000290000	.39
TANDEM			
ORIGINATING	164	.000290000	.05
ACCESS			
TANDEM			
ORIGINATING	70	.000290000	.02
TERMINATING	111	.000290000	.03

TOTAL UT TANDEM SW	1,675		.49
TOTAL UNBUNDLED TRANSPORT CHARGE - FL - EC 5191			2.00
UNBUNDLED END OFFICE - FL - EC 5191			
UNBUNDLED LOCAL SWITCHING - SWITCHING FUNCTIONALITY			
LOCAL			
ORIGINATING			
ED			
SINGLE NETWORK			
INTRASWITCH			
INITIAL	373	.017500000	6.53
ADDITIONAL	428	.005000000	2.14
INTERSWITCH			
INITIAL	566	.017500000	9.91
ADDITIONAL	711	.005000000	3.56
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	113	.017500000	1.98
ADDITIONAL	104	.005000000	.52

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***** LOCAL USAGE FOR OFFICE MIAMFLSH75E *****
 OCT 22 00 THRU NOV 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
TEO			
SINGLE NETWORK			
INTERSWITCH			
INITIAL	557	.017500000	9.75
ADDITIONAL	705	.005000000	3.53
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	32	.017500000	.56
ADDITIONAL	55	.005000000	.28
ACCESS			
ORIGINATING			
EO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	52	.017500000	.91
ADDITIONAL	94	.005000000	.47
TERMINATING			
TEO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	169	.017500000	2.96
ADDITIONAL	234	.005000000	1.17
TOTAL ULS - SWITCH FUNC	4,193		44.27
TOTAL UNBUNDLED END OFFICE CHARGES - FL - EC 5191			44.27
UNBUNDLED MISCELLANEOUS - FL - EC 5191			
DIRECTORY ASSISTANCE CALL			
COMPLETION	7	.030000000	.21
OPERATOR CALL HANDLED			
LEC LIDB	6	1.000000000	6.00
FULLY AUTOMATED CALL			
HANDLED LEC LIDB	1	.100000000	.10
TOTAL UNBUNDLED MISCELLANEOUS CHARGES - FL - EC 5191 . . .			6.31
TOTAL LOCAL USAGE CHARGES FOR OFFICE MIAMFLSH75E			57.41
*****			57.41
TOTAL USAGE CHARGES FOR OFFICE MIAMFLSH75E			57.41

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***** LOCAL USAGE FOR OFFICE MIAMFLSODSO *****
 AUG 22 00 THRU SEP 21 00
 AUG 22 THRU SEP 06

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT SHARED TRANSPORT - FL - EC 5191			
ACCESS			
TANDEM			
ORIGINATING			
NDADFLG01T - 022 MILES	2	.000012000	.01
TERMINATING			
MIAMFLGR05T - 013 MILES	3	.000012000	.01

TOTAL UT SHRD TRANS	5		.02
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO TANDEM - FL - EC 5191			
ACCESS			
TANDEM			
ORIGINATING	2	.000500000	.01
TERMINATING	3	.000500000	.01

TOTAL UT F TERM EO-TAN	5		.02
UNBUNDLED TRANSPORT TANDEM SWITCHING - FL - EC 5191			
ACCESS			
TANDEM			
ORIGINATING	2	.000290000	.01
TERMINATING	3	.000290000	.01

TOTAL UT TANDEM SW	5		.02
TOTAL UNBUNDLED TRANSPORT CHARGE - FL - EC 5191			
			.06
UNBUNDLED END OFFICE - FL - EC 5191			
UNBUNDLED LOCAL SWITCHING - SWITCHING FUNCTIONALITY			
ACCESS			
ORIGINATING			
EO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	2	.017500000	.04
TERMINATING			
TED			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	3	.017500000	.05

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***** LOCAL USAGE FOR OFFICE MIAMFLSOBS0 *****
AUG 22 00 THRU SEP 21 00
AUG 22 THRU SEP 06

RATE CATEGORY	QUANTITY	RATE	AMOUNT
TOTAL ULS - SWITCH FUNC	5		.09
TOTAL UNBUNDLED END OFFICE CHARGES - FL - EC 519109

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***** LOCAL USAGE FOR OFFICE MIAMFLS00S0 *****
 AUG 22 00 THRU SEP 21 00
 SEP 07 THRU SEP 21

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT SHARED TRANSPORT - FL - EC 5191			
ACCESS TANDEM			
ORIGINATING			
MIAMFLGR05T - 013 MILES	1	.000012000	.01
TERMINATING			
MIAMFLGR05T - 013 MILES	1	.000012000	.01

TOTAL UT SHRD TRANS	2		.02
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO TANDEM - FL - EC 5191			
ACCESS TANDEM			
ORIGINATING	1	.000500000	.01
TERMINATING	1	.000500000	.01

TOTAL UT F TERM EO-TAN	2		.02
UNBUNDLED TRANSPORT TANDEM SWITCHING - FL - EC 5191			
ACCESS TANDEM			
ORIGINATING	1	.000290000	.01
TERMINATING	1	.000290000	.01

TOTAL UT TANDEM SW	2		.02
TOTAL UNBUNDLED TRANSPORT CHARGE - FL - EC 5191			
			.06
UNBUNDLED END OFFICE - FL - EC 5191			
UNBUNDLED LOCAL SWITCHING - SWITCHING FUNCTIONALITY			
ACCESS			
ORIGINATING			
EO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	1	.017500000	.02
TERMINATING			
TEO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	1	.017500000	.02

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***** LOCAL USAGE FOR OFFICE MIAMFLSODSO *****
AUG 22 00 THRU SEP 21 00
SEP 07 THRU SEP 21

RATE CATEGORY	QUANTITY	RATE	AMOUNT
TOTAL ULS - SWITCH FUNC	2		.04
TOTAL UNBUNDLED END OFFICE CHARGES - FL - EC 519104

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***** LOCAL USAGE FOR OFFICE MIAMFLSODS0 *****
 SEP 22 00 THRU OCT 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT SHARED TRANSPORT - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING			
MIAMFLGRDS1 - 013 MILES	5	.000012000	.01
MIAMFLPLDS0 - 009 MILES	15	.000012000	.01
MIAMFLRRDS0 - 006 MILES	18	.000012000	.01
MIAMFLWDS0 - 005 MILES	1	.000012000	.01
MIAMFLWM26E - 007 MILES	6	.000012000	.01
MIAQFL06DS0 - 020 MILES	1	.000012000	.01
NDADFLGGDS0 - 022 MILES	1	.000012000	.01
PRRNFLMADS0 - 005 MILES	2	.000012000	.01
TANDEM			
ORIGINATING			
MIAMFLHDS0 - 015 MILES	1	.000012000	.01
ACCESS			
TANDEM			
ORIGINATING			
MIAMFLGR05T - 013 MILES	6	.000012000	.01
NDADFLGG01T - 022 MILES	32	.000012000	.01
TERMINATING			
MIAMFLGR05T - 013 MILES	10	.000012000	.01
NDADFLGG01T - 022 MILES	3	.000012000	.01

TOTAL UT SHRD TRANS	101		.13
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO EO - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING	45	.000500000	.02
TANDEM			
ORIGINATING	1	.000500000	.01

TOTAL UT F TERM EO-EO	46		.03
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO TANDEM - FL - EC 5191			
ACCESS			
TANDEM			
ORIGINATING	38	.000500000	.02
TERMINATING	13	.000500000	.01

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***** LOCAL USAGE FOR OFFICE MIAMFLSODS *****
 SEP 22 80 THRU OCT 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
TOTAL UT F TERM EO-TAN	51		.03
UNBUNDLED TRANSPORT TANDEM SWITCHING - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING	45	.000290000	.01
TANDEM	1	.000290000	.01
ACCESS			
TANDEM			
ORIGINATING	38	.000290000	.01
TERMINATING	13	.000290000	.01
TOTAL UT TANDEM SW	97		.04
TOTAL UNBUNDLED TRANSPORT CHARGE - FL - EC 5191			.23
UNBUNDLED END OFFICE - FL - EC 5191			
UNBUNDLED LOCAL SWITCHING - SWITCHING FUNCTIONALITY			
LOCAL			
ORIGINATING			
EO			
SINGLE NETWORK			
INTRASWITCH			
INITIAL	6	.017500000	.11
ADDITIONAL	24	.005000000	.12
INTERSWITCH			
INITIAL	17	.017500000	.30
ADDITIONAL	29	.005000000	.15
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	1	.017500000	.02
TEO			
SINGLE NETWORK			
INTERSWITCH			
INITIAL	17	.017500000	.30
ADDITIONAL	29	.005000000	.15
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	1	.017500000	.02
ACCESS			
ORIGINATING			
EO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	38	.017500000	.67

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BILL DATE NOV 22, 2000
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***** LOCAL USAGE FOR OFFICE MIAMFLSODSO *****
SEP 22 00 THRU OCT 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
ADDITIONAL TERMINATING TED	166	.005000000	.83
MULTIPLE NETWORK INTERSWITCH INITIAL	12	.017500000	.21
ADDITIONAL	3	.005000000	.02
TOTAL ULS - SWITCH FUNC	343		2.90
TOTAL UNBUNDLED END OFFICE CHARGES - FL - EC 5191			2.90

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***** LOCAL USAGE FOR OFFICE MIAMFLSODS0 *****
 OCT 22 00 THRU NOV 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT SHARED TRANSPORT - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING			
MIAMFLHMDS0 - 017 MILES	14	.000012000	.01
MIAMFLAEDS0 - 009 MILES	75	.000012000	.01
MIAMFLAL63E - 012 MILES	1	.000012000	.01
MIAMFLBA85E - 011 MILES	38	.000012000	.01
MIAMFLBRDS0 - 017 MILES	10	.000012000	.01
MIAMFLCADS0 - 005 MILES	129	.000012000	.01
MIAMFLDADS0 - 013 MILES	10	.000012000	.01
MIAMFLDBRS1 - 006 MILES	113	.000012000	.01
MIAMFLFIDS0 - 011 MILES	5	.000012000	.01
MIAMFLGRDS1 - 013 MILES	65	.000012000	.01
MIAMFLHLDS0 - 015 MILES	18	.000012000	.01
MIAMFLME32E - 013 MILES	35	.000012000	.01
MIAMFLMDS0 - 019 MILES	4	.000012000	.01
MIAMFLNSDS0 - 014 MILES	32	.000012000	.01
MIAMFLOL68E - 017 MILES	3	.000012000	.01
MIAMFLPB88E - 011 MILES	1	.000012000	.01
MIAMFLPLDS0 - 009 MILES	245	.000012000	.03
MIAMFLRRDS0 - 006 MILES	302	.000012000	.02
MIAMFLSH75E - 016 MILES	1	.000012000	.01
MIAMFLWDDS0 - 005 MILES	142	.000012000	.01
MIAMFLWM26E - 007 MILES	45	.000012000	.01
MIAMFLWKDS0 - 008 MILES	23	.000012000	.01
MIAMFLYDS5 - 013 MILES	8	.000012000	.01
MIAPFLYDS5 - 009 MILES	4	.000012000	.01
NDADFLBRDS0 - 020 MILES	11	.000012000	.01
NDADFLGGDS0 - 022 MILES	11	.000012000	.01
NDADFLGGIKD - 022 MILES	15	.000012000	.01
NDADFLOLDS0 - 024 MILES	5	.000012000	.01
PRRNFLMADS0 - 005 MILES	103	.000012000	.01
TANDEM			
ORIGINATING			
BCRTFLSNM1 - 049 MILES	1	.000012000	.01
FTLDFLANM2 - 035 MILES	1	.000012000	.01
MIAMFLAFM1 - 013 MILES	15	.000012000	.01
MIAMFLAPDS0 - 011 MILES	1	.000012000	.01
MIAMFLYJCM5 - 026 MILES	26	.000012000	.01
NDADFLGG01T - 022 MILES	8	.000012000	.01
QJUSFLTLCM1 - 025 MILES	2	.000012000	.01
PRRNFLAECM1 - 003 MILES	4	.000012000	.01
NDADFLGG03T - 022 MILES	4	.000012000	.01

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 BILL DATE NOV 22, 2000
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***** LOCAL USAGE FOR OFFICE MIAMFLSODSO *****
 OCT 22 00 THRU NOV 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
ACCESS			
TANDEM			
ORIGINATING			
MIAMFLGR05T - 013 MILES	35	.000012000	.01
NDADFLGG01T - 022 MILES	54	.000012000	.01
TERMINATING			
MIAMFLGR05T - 013 MILES	28	.000012000	.01
NDADFLGG01T - 022 MILES	1,415	.000012000	.37

TOTAL UT SHRD TRANS	3,054		.81
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO EO - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING	1,455	.000500000	.75
TANDEM			
ORIGINATING	48	.000500000	.02

TOTAL UT F TERM EO-EO	1,503		.75
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO TANDEM - FL - EC 5191			
LOCAL			
TANDEM			
ORIGINATING	11	.000500000	.01
ACCESS			
TANDEM			
ORIGINATING	88	.000500000	.04
TERMINATING	1,434	.000500000	.72

TOTAL UT F TERM EO-TAN	1,533		.77
UNBUNDLED TRANSPORT TANDEM SWITCHING - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING	1,455	.000290000	.42
TANDEM			
ORIGINATING	8	.000290000	.01
ORIGINATING	51	.000290000	.01
ACCESS			
TANDEM			
ORIGINATING	88	.000290000	.03
TERMINATING	1,434	.000290000	.42

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***** LOCAL USAGE FOR OFFICE MIAMFLSODSO *****
 OCT 22 00 THRU NOV 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
TOTAL UT TANDEM SW	3,036		.89
TOTAL UNBUNDLED TRANSPORT CHARGE - FL - EC 5191			3.22
UNBUNDLED END OFFICE - FL - EC 5191			
UNBUNDLED LOCAL SWITCHING - SWITCHING FUNCTIONALITY			
LOCAL			
ORIGINATING			
EO			
SINGLE NETWORK			
INTRASWITCH			
INITIAL	111	.017500000	1.94
ADDITIONAL	144	.005000000	.72
INTERSWITCH			
INITIAL	413	.017500000	7.23
ADDITIONAL	996	.005000000	4.98
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	32	.017500000	.56
ADDITIONAL	74	.005000000	.37
TEO			
SINGLE NETWORK			
INTERSWITCH			
INITIAL	409	.017500000	7.16
ADDITIONAL	996	.005000000	4.98
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	17	.017500000	.30
ADDITIONAL	41	.005000000	.21
ACCESS			
ORIGINATING			
EO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	729	.017500000	12.76
ADDITIONAL	2,905	.005000000	14.53
TERMINATING			
TEO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	122	.017500000	2.14
ADDITIONAL	1,501	.005000000	7.51

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***** LOCAL USAGE FOR OFFICE MIAMFLSODS0 *****
OCT 22 00 THRU NOV 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
TOTAL ULS - SWITCH FUNC	8,490		65.39
TOTAL UNBUNDLED END OFFICE CHARGES - FL - EC 5191			65.39
TOTAL LOCAL USAGE CHARGES FOR OFFICE MIAMFLSODS0			71.99

TOTAL USAGE CHARGES FOR OFFICE MIAMFLSODS0 71.99

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 BILL DATE NOV 22, 2000
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***** LOCAL USAGE FOR OFFICE MIAMFLWDDS0 *****
 JUL 22 00 THRU AUG 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT SHARED TRANSPORT - FL - EC 5191			
ACCESS			
TANDEM			
ORIGINATING			
NDADFLGG01T - 025 MILES	170	.000012000	.05
TERMINATING			
MIAMFLGR05T - 017 MILES	7	.000012000	.01

TOTAL UT SHRD TRANS	177		.06
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO TANDEM - FL - EC 5191			
ACCESS			
TANDEM			
ORIGINATING	170	.000500000	.09
TERMINATING	7	.000500000	.01

TOTAL UT F TERM EO-TAN	177		.10
UNBUNDLED TRANSPORT TANDEM SWITCHING - FL - EC 5191			
ACCESS			
TANDEM			
ORIGINATING	170	.000290000	.05
TERMINATING	7	.000290000	.01

TOTAL UT TANDEM SW	177		.06
TOTAL UNBUNDLED TRANSPORT CHARGE - FL - EC 5191			
UNBUNDLED END OFFICE - FL - EC 5191			
UNBUNDLED LOCAL SWITCHING - SWITCHING FUNCTIONALITY			
ACCESS			
ORIGINATING			
EO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	52	.017500000	.91
ADDITIONAL	118	.005000000	.59
TERMINATING			
TED			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	4	.017500000	.07
ADDITIONAL	3	.005000000	.02

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***** LOCAL USAGE FOR OFFICE MIAMFLWDDSD *****
JUL 22 00 THRU AUG 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
TOTAL ULS - SWITCH FUNC	177		1.59
TOTAL UNBUNDLED END OFFICE CHARGES - FL - EC 5191			1.59

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***** LOCAL USAGE FOR OFFICE MIAHFLWDDS *****
 AUG 22 00 THRU SEP 21 00
 AUG 22 THRU SEP 06

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT SHARED TRANSPORT - FL - EC 5191			
ACCESS			
TANDEM			
ORIGINATING			
NDADFLGG01T - 025 MILES	101	.000012000	.03
TERMINATING			
MIAHFLGR05T - 017 MILES	9	.000012000	.01

TOTAL UT SHRD TRANS	110		.04
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO TANDEM - FL - EC 5191			
ACCESS			
TANDEM			
ORIGINATING	101	.000500000	.05
TERMINATING	9	.000500000	.01

TOTAL UT F TERM EO-TAN	110		.06
UNBUNDLED TRANSPORT TANDEM SWITCHING - FL - EC 5191			
ACCESS			
TANDEM			
ORIGINATING	101	.000290000	.03
TERMINATING	9	.000290000	.01

TOTAL UT TANDEM SW	110		.04

TOTAL UNBUNDLED TRANSPORT CHARGE - FL - EC 5191			.14
UNBUNDLED END OFFICE - FL - EC 5191			
UNBUNDLED LOCAL SWITCHING - SWITCHING FUNCTIONALITY			
ACCESS			
ORIGINATING			
EO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	50	.017500000	.88
ADDITIONAL	51	.005000000	.26
TERMINATING			
TEO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	7	.017500000	.12
ADDITIONAL	3	.005000000	.02

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***** LOCAL USAGE FOR OFFICE MIAMFLWDDS *****
AUG 22 00 THRU SEP 21 00
AUG 22 THRU SEP 06

RATE CATEGORY	QUANTITY	RATE	AMOUNT
TOTAL ULS - SWITCH FUNC	111		1.28
TOTAL UNBUNDLED END OFFICE CHARGES - FL - EC 5191			1.28

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***** LOCAL USAGE FOR OFFICE MIAMFLWDSO *****
 AUG 22 00 THRU SEP 21 00
 SEP 07 THRU SEP 21

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT SHARED TRANSPORT - FL - EC 5191			
ACCESS			
TANDEM			
ORIGINATING			
NDADFLGG01T - 025 MILES	5	.000012000	.01
TERMINATING			
MIAMFLGR05T - 017 MILES	3	.000012000	.01
	-----		-----
TOTAL UT SHRD TRANS	8		.02
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO TANDEM - FL - EC 5191			
ACCESS			
TANDEM			
ORIGINATING	5	.000500000	.01
TERMINATING	3	.000500000	.01
	-----		-----
TOTAL UT F TERM EO-TAN	8		.02
UNBUNDLED TRANSPORT TANDEM SWITCHING - FL - EC 5191			
ACCESS			
TANDEM			
ORIGINATING	5	.000290000	.01
TERMINATING	3	.000290000	.01
	-----		-----
TOTAL UT TANDEM SW	8		.02
TOTAL UNBUNDLED TRANSPORT CHARGE - FL - EC 5191			.06
UNBUNDLED END OFFICE - FL - EC 5191			
UNBUNDLED LOCAL SWITCHING - SWITCHING FUNCTIONALITY			
ACCESS			
ORIGINATING			
EO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	3	.017500000	.05
ADDITIONAL	3	.005000000	.02
TERMINATING			
TEO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	1	.017500000	.02
ADDITIONAL	2	.005000000	.01

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***** LOCAL USAGE FOR OFFICE MIAMFLWDDSO *****
AUG 22 80 THRU SEP 21 00
SEP 07 THRU SEP 21

RATE CATEGORY	QUANTITY	RATE	AMOUNT
TOTAL ULS - SWITCH FUNC	9		.10
TOTAL UNBUNDLED END OFFICE CHARGES - FL - EC 519110

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***** LOCAL USAGE FOR OFFICE MIAMFLMDDS *****
 SEP 22 00 THRU OCT 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT SHARED TRANSPORT - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING			
MIAMFLMDDS - 015 MILES	2	.000012000	.01
MIAMFLAEDS - 013 MILES	10	.000012000	.01
MIAMFLCADS - 007 MILES	3	.000012000	.01
MIAMFLGRS1 - 017 MILES	46	.000012000	.01
MIAMFLPB88E - 014 MILES	11	.000012000	.01
MIAMFLSODS - 005 MILES	2	.000012000	.01
MIAMFLWM26E - 011 MILES	1	.000012000	.01
MIAMFLYJCM5 - 026 MILES	1	.000012000	.01
NDADFLAC94E - 025 MILES	6	.000012000	.01
PRRNFLMADS - 008 MILES	15	.000012000	.01
TANDEM			
ORIGINATING			
MIAMFLAEDS - 013 MILES	1	.000012000	.01
MIAMFLAFCH1 - 017 MILES	2	.000012000	.01
MIAMFLYJCM5 - 026 MILES	4	.000012000	.01
NDADFLGGCH5 - 025 MILES	3	.000012000	.01
OJUSFLTLCM1 - 028 MILES	1	.000012000	.01
PRRNFLAECM1 - 004 MILES	1	.000012000	.01
ACCESS			
TANDEM			
ORIGINATING			
NDADFLGG01T - 025 MILES	7	.000012000	.01
TERMINATING			
MIAMFLGR05T - 017 MILES	13	.000012000	.01
NDADFLGG01T - 025 MILES	3	.000012000	.01
TOTAL UT SHRD TRANS	132		.19
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO EO - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING	91	.000500000	.05
TANDEM			
ORIGINATING	9	.000500000	.01
TOTAL UT F TERM EO-EO	100		.06

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***** LOCAL USAGE FOR OFFICE MIAMFLWDDSO *****
 SEP 22 00 THRU OCT 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO TANDEM - FL - EC 5191			
ACCESS TANDEM			
ORIGINATING	7	.000500000	.01
TERMINATING	15	.000500000	.01

TOTAL UT F TERM EO-TAN	22		.02
UNBUNDLED TRANSPORT TANDEM SWITCHING - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING	91	.000290000	.03
TANDEM			
ORIGINATING	9	.000290000	.01
ACCESS TANDEM			
ORIGINATING	7	.000290000	.01
TERMINATING	15	.000290000	.01

TOTAL UT TANDEM SW	122		.06
TOTAL UNBUNDLED TRANSPORT CHARGE - FL - EC 5191			.33
UNBUNDLED END OFFICE - FL - EC 5191			
UNBUNDLED LOCAL SWITCHING - SWITCHING FUNCTIONALITY			
LOCAL			
ORIGINATING			
EO			
SINGLE NETWORK			
INTRASWITCH			
INITIAL	23	.017500000	.40
ADDITIONAL	28	.005000000	.14
INTERSWITCH			
INITIAL	27	.017500000	.47
ADDITIONAL	65	.005000000	.33
MULTIPLE NETWORK			
INTRASWITCH			
INITIAL	4	.017500000	.07
ADDITIONAL	5	.005000000	.03
TEO			
SINGLE NETWORK			
INTRASWITCH			
INITIAL	27	.017500000	.47
ADDITIONAL	65	.005000000	.33

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***** LOCAL USAGE FOR OFFICE MIAMFLWDDS *****
 SEP 22 00 THRU OCT 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
ACCESS			
ORIGINATING			
EO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	12	.017500000	.21
ADDITIONAL	7	.005000000	.04
TERMINATING			
TEO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	12	.017500000	.21
ADDITIONAL	13	.005000000	.07

TOTAL ULS - SWITCH FUNC	288		2.77
TOTAL UNBUNDLED END OFFICE CHARGES - FL - EC 5191			2.77

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***** LOCAL USAGE FOR OFFICE MIAMFLWDSO *****
 OCT 22 00 THRU NOV 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT SHARED TRANSPORT - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING			
HMSTFLHMSO - 015 MILES	18	.000012000	.01
HMSTFLNARSO - 011 MILES	1	.000012000	.01
MIAMFLAEDSO - 013 MILES	47	.000012000	.01
MIAMFLAL63E - 016 MILES	2	.000012000	.01
MIAMFLAPDSO - 014 MILES	1	.000012000	.01
MIAMFLB85E - 015 MILES	2	.000012000	.01
MIAMFLBCDSO - 017 MILES	5	.000012000	.01
MIAMFLBRDSO - 021 MILES	8	.000012000	.01
MIAMFLCADSO - 007 MILES	77	.000012000	.01
MIAMFLDBRS1 - 010 MILES	3	.000012000	.01
MIAMFLFLDSO - 015 MILES	1	.000012000	.01
MIAMFLGRDSO - 017 MILES	1	.000012000	.01
MIAMFLGRDS1 - 017 MILES	1,604	.000012000	.33
MIAMFLHLD SO - 017 MILES	5	.000012000	.01
MIAMFLKERSO - 017 MILES	1	.000012000	.01
MIAMFLME32E - 016 MILES	19	.000012000	.01
MIAMFLDL68E - 020 MILES	1	.000012000	.01
MIAMFLPB88E - 014 MILES	26	.000012000	.01
MIAMFLPLDSO - 011 MILES	14	.000012000	.01
MIAMFLRRDSO - 010 MILES	189	.000012000	.01
MIAMFLSODSO - 005 MILES	125	.000012000	.01
MIAMFLNM26E - 011 MILES	6	.000012000	.01
MIAMFLYJCM5 - 026 MILES	1	.000012000	.01
MIAMFLYODSO - 012 MILES	2	.000012000	.01
NDADFLAC94E - 025 MILES	22	.000012000	.01
NDADFLBRDSO - 022 MILES	2	.000012000	.01
NDADFLGGDSO - 025 MILES	9	.000012000	.01
NDADFLGG1KD - 025 MILES	5	.000012000	.01
OJUSFLTLDS2 - 028 MILES	1	.000012000	.01
PRRNFLMADS0 - 008 MILES	293	.000012000	.03
FTLDFLWADS1 - 036 MILES	3	.000012000	.01
HMSTFLARSO - 015 MILES	3	.000012000	.01
TANDEM			
ORIGINATING			
FTLDFLAICM1 - 041 MILES	1	.000012000	.01
FTLDFLAMCM2 - 037 MILES	7	.000012000	.01
FTLDFLHQCM2 - 040 MILES	1	.000012000	.01
FTLDFLYBCM4 - 036 MILES	1	.000012000	.01
MIAMFLAEDSO - 013 MILES	1	.000012000	.01
MIAMFLAFCM1 - 017 MILES	30	.000012000	.01
MIAMFLAPDSO - 014 MILES	1	.000012000	.01
MIAMFLHLD SO - 017 MILES	1	.000012000	.01

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***** LOCAL USAGE FOR OFFICE MIAMFLWDDSO *****
 OCT 22 00 THRU NOV 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
MIAMFLNDDSO - 023 MILES	1	.000012000	.01
MIAMFLPB88E - 014 MILES	1	.000012000	.01
MIAMFLYJCM0 - 026 MILES	43	.000012000	.01
MIAMFLYJCM5 - 026 MILES	38	.000012000	.01
NDADFLGGCM4 - 025 MILES	1	.000012000	.01
NDADFLGGCM5 - 025 MILES	10	.000012000	.01
NDADFLGGDS0 - 025 MILES	1	.000012000	.01
NDADFLGG01T - 025 MILES	40	.000012000	.01
OJSEFLTLCM1 - 028 MILES	41	.000012000	.01
PRRNFLAECM1 - 004 MILES	16	.000012000	.01
NDADFLGG03T - 025 MILES	7	.000012000	.01
ACCESS			
TANDEM			
ORIGINATING			
MIAMFLGR05T - 017 MILES	1	.000012000	.01
NDADFLGG01T - 025 MILES	2	.000012000	.01
TERMINATING			
MIAMFLGR05T - 017 MILES	10	.000012000	.01
NDADFLGG01T - 025 MILES	40	.000012000	.01

TOTAL UT SHRD TRANS	2,712		.89
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO EO - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING	2,401	.000500000	1.20
TANDEM			
ORIGINATING	187	.000500000	.09

TOTAL UT F TERM EO-EO	2,588		1.29
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO TANDEM - FL - EC 5191			
LOCAL			
TANDEM			
ORIGINATING	47	.000500000	.02
ACCESS			
TANDEM			
ORIGINATING	2	.000500000	.01
TERMINATING	50	.000500000	.03

TOTAL UT F TERM EO-TAN	99		.06

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BILL NO 305
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***** LOCAL USAGE FOR OFFICE MIAMFLWDDSO *****
 OCT 22 00 THRU NOV 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT TANDEM SWITCHING - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING	2,401	.000290000	.70
TANDEM			
ORIGINATING	40	.000290000	.01
ORIGINATING	193	.000290000	.06
ACCESS			
TANDEM			
ORIGINATING	2	.000290000	.01
TERMINATING	50	.000290000	.01

TOTAL UT TANDEM SW	2,686		.79
TOTAL UNBUNDLED TRANSPORT CHARGE - FL - EC 5191			3.03
UNBUNDLED END OFFICE - FL - EC 5191			
UNBUNDLED LOCAL SWITCHING - SWITCHING FUNCTIONALITY			
LOCAL			
ORIGINATING			
EO			
SINGLE NETWORK			
INTRASWITCH			
INITIAL	236	.017500000	4.13
ADDITIONAL	198	.005000000	.99
INTERSWITCH			
INITIAL	449	.017500000	7.86
ADDITIONAL	1,989	.005000000	9.95
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	76	.017500000	1.33
ADDITIONAL	121	.005000000	.61
TEO			
SINGLE NETWORK			
INTERSWITCH			
INITIAL	443	.017500000	7.75
ADDITIONAL	1,988	.005000000	9.94
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	8	.017500000	.14
ADDITIONAL	3	.005000000	.02
ACCESS			
ORIGINATING			
EO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	179	.017500000	3.13

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BILL NO 305
 INVOICE NO 305Q
 BILL DATE NOV 22 2000
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***** LOCAL USAGE FOR OFFICE MIAMFLWDSO *****
 OCT 22 00 THRU NOV 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
ADDITIONAL TERMINATING TEO	148	.00500000	.74
MULTIPLE NETWORK INTERSWITCH INITIAL	328	.01750000	5.74
ADDITIONAL	299	.00500000	1.50
TOTAL ULS - SWITCH FUNC	6,465		53.83
TOTAL UNBUNDLED END OFFICE CHARGES - FL - EC 5191			53.83
TOTAL LOCAL USAGE CHARGES FOR OFFICE MIAMFLWDSO			63.35

 TOTAL USAGE CHARGES FOR OFFICE MIAMFLWDSO 63.35

BILL NO 305 Q
 INVOICE NO 305Q92
 BILL DATE NOV 22, 2000
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***** LOCAL USAGE FOR OFFICE NDADFLBRDS0 *****
 JUL 22 00 THRU AUG 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT SHARED TRANSPORT - FL - EC 5191			
ACCESS			
TANDEM			
TERMINATING			
NDADFLGG01T - 004 MILES	1	.000012000	.01

TOTAL UT SHRD TRANS	1		.01
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO TANDEM - FL - EC 5191			
ACCESS			
TANDEM			
TERMINATING	1	.000500000	.01

TOTAL UT F TERM EO-TAN	1		.01
UNBUNDLED TRANSPORT TANDEM SWITCHING - FL - EC 5191			
ACCESS			
TANDEM			
TERMINATING	1	.000290000	.01

TOTAL UT TANDEM SW	1		.01
TOTAL UNBUNDLED TRANSPORT CHARGE - FL - EC 5191			.03
UNBUNDLED END OFFICE - FL - EC 5191			
UNBUNDLED LOCAL SWITCHING - SWITCHING FUNCTIONALITY			
ACCESS			
TERMINATING			
TEO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	1	.017500000	.02

TOTAL ULS - SWITCH FUNC	1		.02
TOTAL UNBUNDLED END OFFICE CHARGES - FL - EC 519102

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***** LOCAL USAGE FOR OFFICE NDADFLBRDSO *****
 AUG 22 00 THRU SEP 21 00
 AUG 22 THRU SEP 06

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT SHARED TRANSPORT - FL - EC 5191			
ACCESS			
TANDEM			
ORIGINATING			
NDADFLGG04T - 004 MILES	23	.000012000	.01
TERMINATING			
NDADFLGG01T - 004 MILES	1	.000012000	.01

TOTAL UT SHRD TRANS	24		.02
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO TANDEM - FL - EC 5191			
ACCESS			
TANDEM			
ORIGINATING	23	.000500000	.01
TERMINATING	1	.000500000	.01

TOTAL UT F TERM EO-TAN	24		.02
UNBUNDLED TRANSPORT TANDEM SWITCHING - FL - EC 5191			
ACCESS			
TANDEM			
ORIGINATING	23	.000290000	.01
TERMINATING	1	.000290000	.01

TOTAL UT TANDEM SW	24		.02
TOTAL UNBUNDLED TRANSPORT CHARGE - FL - EC 5191			.06
UNBUNDLED END OFFICE - FL - EC 5191			
UNBUNDLED LOCAL SWITCHING - SWITCHING FUNCTIONALITY			
ACCESS			
ORIGINATING			
EO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	7	.017500000	.12
ADDITIONAL	16	.005000000	.08
TERMINATING			
TEO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	1	.017500000	.02

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BILL NO 305 0
INVOICE NO 305092
BILL DATE NOV 22, 2000
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***** LOCAL USAGE FOR OFFICE NDADFLBRDS0 *****
AUG 22 00 THRU SEP 21 00
AUG 22 THRU SEP 06

RATE CATEGORY	QUANTITY	RATE	AMOUNT
TOTAL ULS - SWITCH FUNC	24		.22
TOTAL UNBUNDLED END OFFICE CHARGES - FL - EC 519122

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***** LOCAL USAGE FOR OFFICE MDADFLBRDS0 *****
 AUG 22 00 THRU SEP 21 00
 SEP 07 THRU SEP 21

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT SHARED TRANSPORT - FL - EC 5191 ACCESS TANDEM ORIGINATING NDADFLGG64T - 004 MILES	16	.000012000	.01
TOTAL UT SHRD TRANS	16		.01
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO TANDEM - FL - EC 5191 ACCESS TANDEM ORIGINATING	16	.000500000	.01
TOTAL UT F TERM EO-TAN	16		.01
UNBUNDLED TRANSPORT TANDEM SWITCHING - FL - EC 5191 ACCESS TANDEM ORIGINATING	16	.000290000	.01
TOTAL UT TANDEM SW	16		.01
TOTAL UNBUNDLED TRANSPORT CHARGE - FL - EC 5191			.03
UNBUNDLED END OFFICE - FL - EC 5191 UNBUNDLED LOCAL SWITCHING - SWITCHING FUNCTIONALITY ACCESS ORIGINATING EO MULTIPLE NETWORK INTERSWITCH INITIAL ADDITIONAL	7 9	.017500000 .005000000	.12 .05
TOTAL ULS - SWITCH FUNC	16		.17
TOTAL UNBUNDLED END OFFICE CHARGES - FL - EC 519117

BILL NO 305 Q
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***** LOCAL USAGE FOR OFFICE NDADFLBRS0 *****
 SEP 22 00 THRU OCT 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT SHARED TRANSPORT - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING			
HLWDFLPEDS0 - 005 MILES	43	.000012000	.01
HLWDFLWADS0 - 006 MILES	2	.000012000	.01
MIAMFLDADS0 - 012 MILES	1	.000012000	.01
MIAMFLGRDS0 - 012 MILES	6	.000012000	.01
MIAMFLHLDS0 - 006 MILES	2	.000012000	.01
MIAMFLME32E - 011 MILES	12	.000012000	.01
MIAMFLNMS0 - 006 MILES	10	.000012000	.01
MIAMFLNSDS0 - 007 MILES	2	.000012000	.01
MIAMFLOL68E - 003 MILES	15	.000012000	.01
MIAMFLYJCM5 - 014 MILES	1	.000012000	.01
MIAMFLYJDS6 - 012 MILES	5	.000012000	.01
NDADFLAC94E - 006 MILES	6	.000012000	.01
NDADFLGGDS0 - 004 MILES	68	.000012000	.01
NDADFLOLDS0 - 007 MILES	3	.000012000	.01
FTLDFLWQCH2 - 018 MILES	1	.000012000	.01
FTLDFLWADS1 - 015 MILES	2	.000012000	.01
TANDEM			
ORIGINATING			
NDADFLGG03T - 004 MILES	1	.000012000	.01
BCRTFLSNCM1 - 030 MILES	1	.000012000	.01
BCRTFLTWH01 - 035 MILES	1	.000012000	.01
FTLDFLANCM2 - 016 MILES	2	.000012000	.01
FTLDFLFTCH1 - 015 MILES	1	.000012000	.01
FTLDFLTBCM4 - 015 MILES	6	.000012000	.01
MIAMFLAFCH1 - 012 MILES	5	.000012000	.01
MIAMFLAPDS0 - 010 MILES	1	.000012000	.01
MIAMFLHLDS0 - 006 MILES	2	.000012000	.01
MIAMFLYJCM0 - 014 MILES	1	.000012000	.01
MIAMFLYJCM5 - 014 MILES	6	.000012000	.01
NDADFLGGCH6 - 004 MILES	2	.000012000	.01
OJUSFLTLCM1 - 007 MILES	5	.000012000	.01
PMBHFLJKCH2 - 004 MILES	1	.000012000	.01
ACCESS			
TANDEM			
ORIGINATING			
NDADFLGG04T - 004 MILES	51	.000012000	.01
TERMINATING			
NDADFLGG04T - 004 MILES	33	.000012000	.01

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BILL NO 305 09
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***** LOCAL USAGE FOR OFFICE NDADFLBRDS *****
 SEP 22 00 THRU OCT 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
TOTAL UT SHRD TRANS	298		.32
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO EO - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING	172	.000500000	.09
TANDEM			
ORIGINATING	26	.000500000	.01
TOTAL UT F TERM EO-EO	198		.10
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO TANDEM - FL - EC 5191			
LOCAL			
TANDEM			
ORIGINATING	1	.000500000	.01
ACCESS			
TANDEM			
ORIGINATING	51	.000500000	.03
TERMINATING	33	.000500000	.02
TOTAL UT F TERM EO-TAN	85		.06
UNBUNDLED TRANSPORT FACILITIES TERMINATION TOPS TO EO - FL - EC 5191			
LOCAL			
TANDEM			
ORIGINATING	1	.000500000	.01
TOTAL UT F TERM TOPS-EO	1		.01
UNBUNDLED TRANSPORT TANDEM SWITCHING - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING	172	.000290000	.05
TANDEM			
ORIGINATING	27	.000290000	.01
ACCESS			
TANDEM			
ORIGINATING	51	.000290000	.01
TERMINATING	33	.000290000	.01

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BILL NO 305 0
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 BILL DATE NOV 22, 2000
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***** LOCAL USAGE FOR OFFICE MDADFLBRDS0 *****
 SEP 22 00 THRU OCT 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
TOTAL UT TANDEM SM	283		.08
TOTAL UNBUNDLED TRANSPORT CHARGE - FL - EC 5191			.57
UNBUNDLED END OFFICE - FL - EC 5191			
UNBUNDLED LOCAL SWITCHING - SWITCHING FUNCTIONALITY			
LOCAL			
ORIGINATING			
EO			
SINGLE NETWORK			
INTRASWITCH			
INITIAL	25	.017500000	.44
ADDITIONAL	42	.005000000	.21
INTERSWITCH			
INITIAL	44	.017500000	.77
ADDITIONAL	123	.005000000	.62
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	19	.017500000	.33
ADDITIONAL	13	.005000000	.07
TEO			
SINGLE NETWORK			
INTERSWITCH			
INITIAL	44	.017500000	.77
ADDITIONAL	123	.005000000	.62
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	3	.017500000	.05
ADDITIONAL	5	.005000000	.03
ACCESS			
ORIGINATING			
EO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	8	.017500000	.14
ADDITIONAL	44	.005000000	.22
TERMINATING			
TEO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	117	.017500000	2.05
ADDITIONAL	86	.005000000	.43

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***** LOCAL USAGE FOR OFFICE MDADFLBRDS0 *****
 SEP 22 00 THRU OCT 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
TOTAL ULS - SWITCH FUNC	696		6.75
TOTAL UNBUNDLED END OFFICE CHARGES - FL - EC 5191			6.75
UNBUNDLED MISCELLANEOUS - FL - EC 5191			
DIRECTORY ASSISTANCE CALL	1	.030000000	.03
COMPLETION			
TOTAL UNBUNDLED MISCELLANEOUS CHARGES - FL - EC 519103

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***** LOCAL USAGE FOR OFFICE NDADFLBRDS0 *****
 OCT 22 00 THRU NOV 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT SHARED TRANSPORT - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING			
FTLDFLTBCN4 - 015 MILES	21	.000012000	.01
FTLDFL92DS0 - 006 MILES	5	.000012000	.01
HLWDFLHA4SE - 008 MILES	13	.000012000	.01
HLWDFLMADS0 - 009 MILES	9	.000012000	.01
HLWDFLPDS0 - 005 MILES	207	.000012000	.01
HLWDFLWDS0 - 006 MILES	159	.000012000	.01
MIAMFLAEDS0 - 013 MILES	10	.000012000	.01
MIAMFLAL6SE - 009 MILES	17	.000012000	.01
MIAMFLAPDS0 - 010 MILES	1	.000012000	.01
MIAMFLBCDS0 - 010 MILES	2	.000012000	.01
MIAMFLBRDS0 - 013 MILES	1	.000012000	.01
MIAMFLCADS0 - 016 MILES	5	.000012000	.01
MIAMFLDBRS1 - 016 MILES	1	.000012000	.01
MIAMFLGRDS1 - 012 MILES	1	.000012000	.01
MIAMFLHDS0 - 006 MILES	47	.000012000	.01
MIAMFLME32E - 011 MILES	62	.000012000	.01
MIAMFLNDS0 - 006 MILES	19	.000012000	.01
MIAMFLNSDS0 - 007 MILES	51	.000012000	.01
MIAMFLQL68E - 003 MILES	104	.000012000	.01
MIAMFLPB88E - 009 MILES	16	.000012000	.01
MIAMFLPLDS0 - 012 MILES	3	.000012000	.01
MIAMFLRRDS0 - 016 MILES	1	.000012000	.01
MIAMFLSH75E - 007 MILES	27	.000012000	.01
MIAMFLSODS0 - 020 MILES	1	.000012000	.01
MIAMFLYJCH5 - 014 MILES	20	.000012000	.01
MIAMFLWKDS0 - 012 MILES	24	.000012000	.01
MIAMFLYIDS5 - 012 MILES	1	.000012000	.01
MIAPFLYODS0 - 011 MILES	20	.000012000	.01
MIQFL06DS0 - 002 MILES	12	.000012000	.01
NDADFLAC94E - 006 MILES	45	.000012000	.01
NDADFLGGCM4 - 004 MILES	5	.000012000	.01
NDADFLGGCM5 - 004 MILES	2	.000012000	.01
NDADFLGGDS0 - 004 MILES	498	.000012000	.02
NDADFLGG1KD - 004 MILES	1	.000012000	.01
NDADFL0LDS0 - 007 MILES	1	.000012000	.01
PRRNFLMADS0 - 024 MILES	8	.000012000	.01
DRBHFLDFCM0 - 027 MILES	23	.000012000	.01
FTLDFLANCM2 - 016 MILES	19	.000012000	.01
TANDEM			
ORIGINATING			
BCRTFLSNCH1 - 030 MILES	3	.000012000	.01
BCRTFLTWH01 - 035 MILES	2	.000012000	.01

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***** LOCAL USAGE FOR OFFICE NDADFLBRDSO *****
 OCT 22 00 THRU NOV 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
FTLDFLAICH1 - 020 MILES	1	.000012000	.01
FTLDFLAMCH2 - 016 MILES	103	.000012000	.02
FTLDFLFTCH1 - 015 MILES	23	.000012000	.01
FTLDFLHQCCH2 - 018 MILES	1	.000012000	.01
FTLDFLTBCH4 - 015 MILES	45	.000012000	.01
MIAMFLAFCH1 - 012 MILES	15	.000012000	.01
MIAMFLAL63E - 009 MILES	1	.000012000	.01
MIAMFLAPDS0 - 010 MILES	4	.000012000	.01
MIAMFLFLDS0 - 012 MILES	1	.000012000	.01
MIAMFLGRDS0 - 012 MILES	3	.000012000	.01
MIAMFLHLDS0 - 006 MILES	21	.000012000	.01
MIAMFLNDS0 - 006 MILES	1	.000012000	.01
MIAMFLPLDS0 - 012 MILES	1	.000012000	.01
MIAMFLWN26E - 013 MILES	1	.000012000	.01
MIAMFLYJCH0 - 014 MILES	6	.000012000	.01
MIAMFLYJCH2 - 014 MILES	3	.000012000	.01
MIAMFLYJCH5 - 014 MILES	94	.000012000	.02
NDADFLGGCH4 - 004 MILES	5	.000012000	.01
NDADFLGGCH5 - 004 MILES	4	.000012000	.01
NDADFLGGCH6 - 004 MILES	3	.000012000	.01
NDADFLGGDS0 - 004 MILES	2	.000012000	.01
OJUSFLTLCM1 - 007 MILES	125	.000012000	.01
PMBHFLJKCM2 - 004 MILES	2	.000012000	.01
PRRNFLAECM1 - 022 MILES	1	.000012000	.01
MIAMFLNSDS0 - 007 MILES	2	.000012000	.01
NDADFLGG03T - 004 MILES	4	.000012000	.01
ACCESS			
TANDEM			
ORIGINATING			
NDADFLGG04T - 004 MILES	205	.000012000	.01
TERMINATING			
NDADFLGG04T - 004 MILES	185	.000012000	.01

TOTAL UT SHRD TRANS	2,329		.71
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO EO - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING	1,443	.000500000	.72
TANDEM			
ORIGINATING	476	.000500000	.24

TOTAL UT F TERM EO-EO	1,919		.96

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***** LOCAL USAGE FOR OFFICE NDADFLBRDS *****
 OCT 22 00 THRU NOV 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO TANDEM - FL - EC 5191			
LOCAL			
TANDEM			
ORIGINATING	4	.000500000	.01
ACCESS			
TANDEM			
ORIGINATING	205	.000500000	.10
TERMINATING	185	.000500000	.09

TOTAL UT F TERM EO-TAN	394		.20
UNBUNDLED TRANSPORT FACILITIES TERMINATION TOPS TO EO - FL - EC 5191			
LOCAL			
TANDEM			
ORIGINATING	1	.000500000	.01

TOTAL UT F TERM TOPS-EO	1		.01
UNBUNDLED TRANSPORT TANDEM SWITCHING - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING	1,443	.000290000	.42
TANDEM			
ORIGINATING	479	.000290000	.14
ACCESS			
TANDEM			
ORIGINATING	205	.000290000	.06
TERMINATING	185	.000290000	.05

TOTAL UT TANDEM SW	2,312		.67
TOTAL UNBUNDLED TRANSPORT CHARGE - FL - EC 5191			2.55
UNBUNDLED END OFFICE - FL - EC 5191			
UNBUNDLED LOCAL SWITCHING - SWITCHING FUNCTIONALITY			
LOCAL			
ORIGINATING			
EO			
SINGLE NETWORK			
INTRASWITCH			
INITIAL	380	.017500000	6.65
ADDITIONAL	346	.005000000	1.73
INTERSWITCH			
INITIAL	636	.017500000	11.13
ADDITIONAL	754	.005000000	3.77

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***** LOCAL USAGE FOR OFFICE NDADFLBRDS0 *****
 OCT 22 00 THRU NOV 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	314	.017500000	5.50
ADDITIONAL	219	.005000000	1.10
TEO			
SINGLE NETWORK			
INTERSWITCH			
INITIAL	634	.017500000	11.10
ADDITIONAL	753	.005000000	3.77
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	22	.017500000	.39
ADDITIONAL	39	.005000000	.20
ACCESS			
ORIGINATING			
TEO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	91	.017500000	1.59
ADDITIONAL	253	.005000000	1.27
TERMINATING			
TEO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	753	.017500000	13.18
ADDITIONAL	871	.005000000	4.36
TOTAL ULS - SWITCH FUNC	6,065		65.74
TOTAL UNBUNDLED END OFFICE CHARGES - FL - EC 5191			65.74
UNBUNDLED MISCELLANEOUS - FL - EC 5191			
DIRECTORY ASSISTANCE CALL			
COMPLETION	1	.030000000	.03
FULLY AUTOMATED CALL			
HANDLED LEC LYDB	1	.100000000	.10
TOTAL UNBUNDLED MISCELLANEOUS CHARGES - FL - EC 519113
TOTAL LOCAL USAGE CHARGES FOR OFFICE NDADFLBRDS0 . . .			76.30

 TOTAL USAGE CHARGES FOR OFFICE NDADFLBRDS0 76.30

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***** LOCAL USAGE FOR OFFICE NDADFLGSDSO *****
 AUG 22 00 THRU SEP 21 00
 AUG 22 THRU SEP 06

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT FACILITIES TERMINATION ED TO TANDEM - FL - EC 5191 ACCESS TANDEM ORIGINATING	1	.000500000	.01
-----			-----
TOTAL UT F TERM EO-TAN	1		.01
UNBUNDLED TRANSPORT TANDEM SWITCHING - FL - EC 5191 ACCESS TANDEM ORIGINATING	1	.000290000	.01
-----			-----
TOTAL UT TANDEM SW	1		.01
TOTAL UNBUNDLED TRANSPORT CHARGE - FL - EC 5191			.02
UNBUNDLED END OFFICE - FL - EC 5191 UNBUNDLED LOCAL SWITCHING - SWITCHING FUNCTIONALITY ACCESS ORIGINATING EO MULTIPLE NETWORK INTERSWITCH INITIAL	1	.017500000	.02
-----			-----
TOTAL ULS - SWITCH FUNC	1		.02
TOTAL UNBUNDLED END OFFICE CHARGES - FL - EC 519102

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***** LOCAL USAGE FOR OFFICE NDADFLGGDS *****
 AUG 22 00 THRU SEP 21 00
 SEP 07 THRU SEP 21

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO TANDEM - FL - EC 5191			
ACCESS			
TANDEM			
ORIGINATING	28	.000500000	.01

TOTAL UT F TERM EO-TAN	28		.01
UNBUNDLED TRANSPORT TANDEM SWITCHING - FL - EC 5191			
ACCESS			
TANDEM			
ORIGINATING	28	.000290000	.01

TOTAL UT TANDEM SW	28		.01
TOTAL UNBUNDLED TRANSPORT CHARGE - FL - EC 5191			.02
UNBUNDLED END OFFICE - FL - EC 5191			
UNBUNDLED LOCAL SWITCHING - SWITCHING FUNCTIONALITY			
ACCESS			
ORIGINATING			
EO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	5	.017500000	.09
ADDITIONAL	24	.005000000	.12

TOTAL ULS - SWITCH FUNC	29		.21
TOTAL UNBUNDLED END OFFICE CHARGES - FL - EC 519121

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***** LOCAL USAGE FOR OFFICE NDADFLGGDS0 *****
 SEP 22 00 THRU OCT 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT SHARED TRANSPORT - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING			
HLWDFLWDS0 - 005 MILES	6	.000012000	.01
MIAMFLAEDS0 - 014 MILES	3	.000012000	.01
MIAMFLAL63E - 010 MILES	8	.000012000	.01
MIAMFLBA85E - 014 MILES	1	.000012000	.01
MIAMFLCADS0 - 018 MILES	3	.000012000	.01
MIAMFLGRDS1 - 012 MILES	5	.000012000	.01
MIAMFLHLD0 - 009 MILES	1	.000012000	.01
MIAMFLICDS0 - 008 MILES	13	.000012000	.01
MIAMFLME32E - 011 MILES	5	.000012000	.01
MIAMFLNSDS0 - 008 MILES	3	.000012000	.01
MIAMFLOL68E - 005 MILES	22	.000012000	.01
MIAMFLPB88E - 011 MILES	2	.000012000	.01
MIAMFLPLDS0 - 014 MILES	6	.000012000	.01
MIAMFLRRDS0 - 017 MILES	23	.000012000	.01
MIAMFLSH75E - 007 MILES	2	.000012000	.01
MIAMFLSODS0 - 022 MILES	2	.000012000	.01
MIAMFLWDS0 - 025 MILES	3	.000012000	.01
MIAMFLPVDS0 - 015 MILES	3	.000012000	.01
MIAMFLWKDS0 - 015 MILES	41	.000012000	.01
MIAPFLYODS0 - 013 MILES	1	.000012000	.01
NDADFLAC94E - 003 MILES	4	.000012000	.01
NDADFLBRDS0 - 004 MILES	26	.000012000	.01
NDADFLOLD0 - 003 MILES	3	.000012000	.01
PRRNFLMADS0 - 025 MILES	1	.000012000	.01
FTLDFLJADS0 - 014 MILES	6	.000012000	.01
HLWDFLPEDS0 - 007 MILES	6	.000012000	.01
TANDEM			
ORIGINATING			
BCRTFLSNM1 - 029 MILES	1	.000012000	.01
MIAMFLAPDS0 - 012 MILES	2	.000012000	.01
MIAMFLFLDS0 - 013 MILES	1	.000012000	.01
MIAMFLHLD0 - 009 MILES	1	.000012000	.01
MIAMFLYJCM0 - 017 MILES	2	.000012000	.01
MIAMFLYJCM5 - 017 MILES	5	.000012000	.01
NDADFLBRDS0 - 004 MILES	1	.000012000	.01
TOTAL UT SHRD TRANS	192		.33

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***** LOCAL USAGE FOR OFFICE NDAADFLGDSO *****
 SEP 22 00 THRU OCT 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO EO - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING	166	.000500000	.08
TANDEM			
ORIGINATING	8	.000500000	.01

TOTAL UT F TERM EO-EO	174		.09
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO TANDEM - FL - EC 5191			
LOCAL			
TANDEM			
ORIGINATING	4	.000500000	.01
ACCESS			
TANDEM			
ORIGINATING	71	.000500000	.04
TERMINATING	369	.000500000	.18

TOTAL UT F TERM EO-TAN	444		.23
UNBUNDLED TRANSPORT TANDEM SWITCHING - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING	166	.000290000	.05
TANDEM			
ORIGINATING	1	.000290000	.01
ORIGINATING	11	.000290000	.01
ACCESS			
TANDEM			
ORIGINATING	71	.000290000	.02
TERMINATING	369	.000290000	.11

TOTAL UT TANDEM SW	618		.20
TOTAL UNBUNDLED TRANSPORT CHARGE - FL - EC 5191			.85
UNBUNDLED END OFFICE - FL - EC 5191			
UNBUNDLED LOCAL SWITCHING - SWITCHING FUNCTIONALITY			
LOCAL			
ORIGINATING			
EO			
SINGLE NETWORK			
INTRASWITCH			
INITIAL	36	.017500000	.63
ADDITIONAL	25	.005000000	.13

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***** LOCAL USAGE FOR OFFICE N0ADFLGGDSO *****
 SEP 22 00 THRU OCT 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
INTERSWITCH			
INITIAL	59	.017500000	1.03
ADDITIONAL	68	.005000000	.34
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	32	.017500000	.56
ADDITIONAL	20	.005000000	.10
TEO			
SINGLE NETWORK			
INTERSWITCH			
INITIAL	57	.017500000	1.00
ADDITIONAL	67	.005000000	.34
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	26	.017500000	.46
ADDITIONAL	17	.005000000	.09
ACCESS			
ORIGINATING			
EO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	51	.017500000	.89
ADDITIONAL	606	.005000000	3.03
TERMINATING			
TEO			
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	115	.017500000	2.01
ADDITIONAL	318	.005000000	1.59

TOTAL ULS - SWITCH FUNC	1,497		12.20
TOTAL UNBUNDLED END OFFICE CHARGES - FL - EC 5191			12.20

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***** LOCAL USAGE FOR OFFICE MDADFLGGDSO *****
 OCT 22 00 THRU NOV 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT SHARED TRANSPORT - FL - EC 5191			
LOCAL			
UNDETERMINED ROUTING			
ORIGINATING			
DRBDFLMADS0 - 026 MILES	1	.000012000	.01
FLDFLCYDS0 - 018 MILES	2	.000012000	.01
FLDFLMRDS0 - 013 MILES	8	.000012000	.01
FLDFLPLDS0 - 013 MILES	11	.000012000	.01
FLDFLSU74E - 017 MILES	1	.000012000	.01
FLDFLTADC0 - 013 MILES	1	.000012000	.01
FLDFLNADS1 - 013 MILES	8	.000012000	.01
FLDFL92DS0 - 003 MILES	49	.000012000	.01
HLWDFLHA45E - 005 MILES	3	.000012000	.01
HLWDFLMADS0 - 006 MILES	8	.000012000	.01
HLWDFLPEDS0 - 007 MILES	332	.000012000	.03
HLWDFLWHD0 - 005 MILES	372	.000012000	.02
HMSDFLHDS0 - 038 MILES	14	.000012000	.01
HMSDFLNARS0 - 033 MILES	29	.000012000	.01
MIAMFLAEDS0 - 014 MILES	87	.000012000	.01
MIAMFLAFCM1 - 012 MILES	5	.000012000	.01
MIAMFLA63E - 010 MILES	117	.000012000	.01
MIAMFLAPDS0 - 012 MILES	1	.000012000	.01
MIAMFLBA85E - 014 MILES	27	.000012000	.01
MIAMFLBCDS0 - 010 MILES	7	.000012000	.01
MIAMFLBRDS0 - 012 MILES	83	.000012000	.01
MIAMFLCDS0 - 018 MILES	72	.000012000	.02
MIAMFLDADSA - 012 MILES	4	.000012000	.01
MIAMFLDADS0 - 012 MILES	28	.000012000	.01
MIAMFLDADS2 - 012 MILES	1	.000012000	.01
MIAMFLDBRS1 - 017 MILES	6	.000012000	.01
MIAMFLFLDS0 - 013 MILES	16	.000012000	.01
MIAMFLGRDS0 - 012 MILES	2	.000012000	.01
MIAMFLGRDS1 - 012 MILES	254	.000012000	.04
MIAMFLGRH12 - 012 MILES	2	.000012000	.01
MIAMFLHLDS0 - 009 MILES	183	.000012000	.02
MIAMFLICDS0 - 008 MILES	51	.000012000	.01
MIAMFLKEDS0 - 018 MILES	6	.000012000	.01
MIAMFLKYDS0 - 012 MILES	1	.000012000	.01
MIAMFLMERS0 - 011 MILES	2	.000012000	.01
MIAMFLME32E - 011 MILES	265	.000012000	.03
MIAMFLNDS0 - 004 MILES	56	.000012000	.01
MIAMFLNSDS0 - 008 MILES	80	.000012000	.01
MIAMFLOL68E - 005 MILES	87	.000012000	.01
MIAMFLPB88E - 011 MILES	49	.000012000	.01
MIAMFLPLDS0 - 014 MILES	64	.000012000	.01
MIAMFLRRDS0 - 017 MILES	154	.000012000	.03

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***** LOCAL USAGE FOR OFFICE NDADFLGDS0 *****
 OCT 22 00 THRU NOV 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
MIAMFLSH75E - 007 MILES	120	.000012000	.01
MIAMFLS0DS0 - 022 MILES	175	.000012000	.05
MIAMFLWDDS0 - 025 MILES	123	.000012000	.04
MIAMFLWM26E - 015 MILES	54	.000012000	.01
MIAMFLYJCM5 - 017 MILES	17	.000012000	.01
MIAMFLPVDS0 - 015 MILES	37	.000012000	.01
MIAMFLWKDS0 - 015 MILES	453	.000012000	.08
MIAMFLYIDS5 - 012 MILES	3	.000012000	.01
MIAMFLYODS0 - 013 MILES	11	.000012000	.01
MIAMFL06DS0 - 003 MILES	23	.000012000	.01
MIAMFL08DS0 - 015 MILES	1	.000012000	.01
NDADFLAC94E - 003 MILES	87	.000012000	.01
NDADFLBRDS0 - 004 MILES	642	.000012000	.03
NDADFL0LDS0 - 003 MILES	120	.000012000	.01
PMBHFL0LDS0 - 015 MILES	1	.000012000	.01
PRRNFLAECM1 - 024 MILES	1	.000012000	.01
PRRNFLMADS0 - 025 MILES	55	.000012000	.02
DRBHFLDFCM0 - 026 MILES	13	.000012000	.01
TANDEM			
ORIGINATING			
BCRTFLSNM1 - 029 MILES	2	.000012000	.01
FTLDFLAICM1 - 018 MILES	1	.000012000	.01
FTLDFLAMCM2 - 015 MILES	17	.000012000	.01
FTLDFLFTCM1 - 014 MILES	18	.000012000	.01
FTLDFLHOCM2 - 017 MILES	1	.000012000	.01
FTLDFLTBCM4 - 014 MILES	17	.000012000	.01
MIAMFLAFCM1 - 012 MILES	27	.000012000	.01
MIAMFLAPDS0 - 012 MILES	5	.000012000	.01
MIAMFLB8SE - 014 MILES	1	.000012000	.01
MIAMFLFLDS0 - 013 MILES	1	.000012000	.01
MIAMFLHLDS0 - 009 MILES	5	.000012000	.01
MIAMFLPB88E - 011 MILES	1	.000012000	.01
MIAMFLPLDS0 - 014 MILES	1	.000012000	.01
MIAMFLWM26E - 015 MILES	1	.000012000	.01
MIAMFLYJCM0 - 017 MILES	3	.000012000	.01
MIAMFLYJCM2 - 017 MILES	2	.000012000	.01
MIAMFLYJCM5 - 017 MILES	159	.000012000	.03
NDADFLBRDS0 - 004 MILES	12	.000012000	.01
OJUSFLTLCM1 - 004 MILES	80	.000012000	.01
OJUSFLTLCM2 - 004 MILES	1	.000012000	.01
PRRNFLAECM1 - 024 MILES	1	.000012000	.01
HLWDFLPEDS0 - 007 MILES	1	.000012000	.01
MIAMFLCADS0 - 018 MILES	1	.000012000	.01
NDADFLAC94E - 003 MILES	1	.000012000	.01
NDADFL0LDS0 - 003 MILES	1	.000012000	.01

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***** LOCAL USAGE FOR OFFICE NDAFLGGDS0 *****
 OCT 22 00 THRU NOV 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
ACCESS UNDETERMINED ROUTING ORIGINATING FTLDFLJADS0 - 014 MILES	1	.000012000	.01
TOTAL UT SHRD TRANS	4,846		1.17
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO EO - FL - EC 5191			
LOCAL UNDETERMINED ROUTING ORIGINATING	4,537	.000500000	2.27
TANDEM ORIGINATING	422	.000500000	.21
ACCESS UNDETERMINED ROUTING ORIGINATING	1	.000500000	.01
TOTAL UT F TERM EO-EO	4,960		2.49
UNBUNDLED TRANSPORT FACILITIES TERMINATION EO TO TANDEM - FL - EC 5191			
LOCAL TANDEM ORIGINATING	168	.000500000	.08
ACCESS TANDEM ORIGINATING TERMINATING	812 4,561	.000500000 .000500000	.41 2.28
TOTAL UT F TERM EO-TAN	5,541		2.77
UNBUNDLED TRANSPORT TANDEM SWITCHING - FL - EC 5191			
LOCAL UNDETERMINED ROUTING ORIGINATING	4,452	.000290000	1.29
TANDEM ORIGINATING	143	.000290000	.04
ORIGINATING	447	.000290000	.13
ACCESS UNDETERMINED ROUTING ORIGINATING	1	.000290000	.01
TANDEM ORIGINATING TERMINATING	812 4,561	.000290000 .000290000	.24 1.32

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***** LOCAL USAGE FOR OFFICE NDADFLGGDSO *****
 OCT 22 00 THRU NOV 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
TOTAL UT TANDEM SW	10,416		3.03
TOTAL UNBUNDLED TRANSPORT CHARGE - FL - EC 5191			9.46
UNBUNDLED END OFFICE - FL - EC 5191			
UNBUNDLED LOCAL SWITCHING - SWITCHING FUNCTIONALITY			
LOCAL			
ORIGINATING			
EO			
SINGLE NETWORK			
INTRASWITCH			
INITIAL	394	.017500000	6.90
ADDITIONAL	275	.005000000	1.38
INTERSWITCH			
INITIAL	1,615	.017500000	28.26
ADDITIONAL	2,395	.005000000	11.98
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	562	.017500000	9.84
ADDITIONAL	556	.005000000	2.78
TEO			
SINGLE NETWORK			
INTERSWITCH			
INITIAL	1,591	.017500000	27.84
ADDITIONAL	2,393	.005000000	11.97
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	398	.017500000	6.97
ADDITIONAL	302	.005000000	1.51
ACCESS			
ORIGINATING			
EO			
SINGLE NETWORK			
INTERSWITCH			
INITIAL	1	.017500000	.02
MULTIPLE NETWORK			
INTERSWITCH			
INITIAL	1,248	.017500000	21.84
ADDITIONAL	2,916	.005000000	14.58
TERMINATING			
TEO			
SINGLE NETWORK			
INTERSWITCH			
INITIAL	1	.017500000	.02
ADDITIONAL	1	.005000000	.01

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***** LOCAL USAGE FOR OFFICE NDADFLGGDS0 *****
 OCT 22 00 THRU NOV 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
MULTIPLE NETWORK INTERSWITCH			
INITIAL	1,988	.017500000	34.79
ADDITIONAL	5,043	.005000000	25.22

TOTAL ULS - SWITCH FUNC	21,679		205.91
TOTAL UNBUNDLED END OFFICE CHARGES - FL - EC 5191			205.91
UNBUNDLED MISCELLANEOUS - FL - EC 5191			
OPERATOR CALL HANDLED			
LEC LIDB	4	1.000000000	4.00
FULLY AUTOMATED CALL HANDLED			
LEC LIDB	9	.100000000	.90

TOTAL UNBUNDLED MISCELLANEOUS CHARGES - FL - EC 5191 . . .			4.90
TOTAL LOCAL USAGE CHARGES FOR OFFICE NDADFLGGDS0			233.59

 TOTAL USAGE CHARGES FOR OFFICE NDADFLGGDS0 233.59

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***** LOCAL USAGE FOR OFFICE NDADFLGG03T *****
SEP 22 00 THRU OCT 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT SHARED TRANSPORT - FL - EC 5191			
LOCAL			
TANDEM			
ORIGINATING			
TOPS NDADFLGG03T EO NDADFL0LDS0 - 003 MILES	1	.000012000	.01
-----			-----
TOTAL UT SHRD TRANS	1		.01
TOTAL UNBUNDLED TRANSPORT CHARGE - FL - EC 5191			.01

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***** LOCAL USAGE FOR OFFICE NDADFLGG03T *****
 OCT 22 00 THRU NOV 21 00

RATE CATEGORY	QUANTITY	RATE	AMOUNT
UNBUNDLED TRANSPORT SHARED TRANSPORT - FL - EC 5191			
LOCAL			
TANDEM			
ORIGINATING			
TOPS NDADFLGG03T EO MIAMFLBA85E - 014 MILES	1	.000012000	.01
TOPS NDADFLGG03T EO MIAMFLGRDS1 - 012 MILES	1	.000012000	.01
TOPS NDADFLGG03T EO MIAMFLMDS0 - 004 MILES	5	.000012000	.01
TOPS NDADFLGG03T EO MIAMFLPLDS0 - 014 MILES	2	.000012000	.01
TOPS NDADFLGG03T EO MIAMFLSH75E - 007 MILES	1	.000012000	.01
TOPS NDADFLGG03T EO MIAMFLWKDS0 - 015 MILES	8	.000012000	.01
TOPS NDADFLGG03T EO NDADFLAC94E - 003 MILES	6	.000012000	.01
TOPS NDADFLGG03T EO NDADFLBRDS0 - 004 MILES	1	.000012000	.01
TOPS NDADFLGG03T EO NDADFLOLDS0 - 003 MILES	2	.000012000	.01
TOPS NDADFLGG03T EO PRRNFLMADS0 - 025 MILES	1	.000012000	.01
TOTAL UT SHRD TRANS	28		.10
TOTAL UNBUNDLED TRANSPORT CHARGE - FL - EC 5191			.10
TOTAL LOCAL USAGE CHARGES FOR OFFICE NDADFLGG03T			.11

TOTAL USAGE CHARGES FOR OFFICE NDADFLGG03T			.11

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***** SUMMARY OF UNBUNDLED USAGE CHARGES *****
FLORIDA - 5191

TOTAL UNBUNDLED TRANSPORT CHARGES	LOCAL	63.98
TOTAL END OFFICE CHARGES		1,177.67
TOTAL MISCELLANEOUS CHARGES		13.62
TOTAL USAGE CHARGES		1,255.27

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***** SUMMARY OF UNBUNDLED USAGE CHARGES *****
TOTAL - ALL STATES/ECS

TOTAL UNBUNDLED TRANSPORT CHARGES	TOTAL	63.98
TOTAL END OFFICE CHARGES		1,177.67
TOTAL MISCELLANEOUS CHARGES		13.62
TOTAL USAGE CHARGES		1,255.27

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TOTAL - FLORIDA - 5191

*** DETAIL OF TAXES ***

<u>TYPE</u>	<u>MONTHLY ACCESS</u>	<u>USAGE</u>	<u>OTHER</u>	<u>TOTAL</u>
FRANCHISE	0.07	0.00	0.00	0.07
TOTAL	0.07	0.00	0.00	0.07

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PAGE	REFERENCE NO	PAGE	REFERENCE NO	PAGE	REFERENCE NO
1	BILL FACE PAGE				
4	LATE PAY CHGS				
5	DC-AND-C PAGE				
13	MIAMFLHSDS0				
19	MIAMFLAPDS0				
28	MIAMFLB88E				
40	MIAMFLCADS0				
49	MIAMFLGRDS1				
61	MIAMFLNDS0				
72	MIAMFLNSDS0				
85	MIAMFLOL68E				
92	MIAMFLPB88E				
97	MIAMFLSH75E				
104	MIAMFLS0DS0				
115	MIAMFLW0DS0				
128	NDADFLBRDS0				
140	NDADFLGGDS0				
150	NDADFLGG03T				
154	TAXES				