BELLSOUTH

BellSouth Telecommunications, Inc
Suite 400
150 South Monroe Street
Tallahassee, Florida 32301-1556

850 224-7798
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Marshall M. Criser III
Regulatory Vice President

010770-TP

May 17, 2001

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

Re: Approval of the negotiated agreement for Interconnection, Unbundling, Resale, and Collocation by BellSouth Telecommunications, Inc. ("BellSouth") and NOS Communications, Inc. pursuant to Sections 251,252 and 271 of the Telecommunications Act of 1996. (NOS Communications, Inc. has adopted the BellSouth/Z-Tel Communications, Inc. agreement in its entirety. The term of the adopted agreement can only be for the remaining term of the original CLEC agreement.)

Dear Mrs. Bayó:

Pursuant to section 252(e) of the Telecommunications Act of 1996, BellSouth and NOS Communications, Inc. are submitting to the Florida Public Service Commission their negotiated agreement for the interconnection, unbundling, collocation, and resale of their networks, the unbundling of specific network elements offered by BellSouth and the resale of BellSouth telecommunications services to NOS Communications, Inc., The agreement was negotiated pursuant to sections 251,252 and 271 of the Act. Please be advised that NOS Communications, Inc. has adopted the BellSouth/ Z-Tel Communications, Inc. agreement approved via Order Number PSC-01-0579-FOF-TP issued March 12, 2001, in its entirety. The term of the adopted agreement can only be for the remaining term of the original CLEC agreement.

Pursuant to section 252(e) of the Act, the Commission is charged with approving or rejecting the negotiated agreement between BellSouth and NOS Communications, Inc. within 90 days of its submission. The Commission may only reject such an agreement if it finds that the agreement, or any portion of the agreement, discriminates against a telecommunications carrier not a party to the agreement or the implementation of the agreement or any portion of the agreement is not consistent with the public interest, convenience and necessity. Both parties represent that neither of these reasons exists as to the agreement they have negotiated and that the Commission should approve their agreement.

Very truly yours,

Marshall M. Criser III

Regulatory Vice President (KH)

DOCUMENT NUMBER-DATE
06417 MAY 21 05
FPSC-RECORDS/REPORTING

# ATTACHMENT TO TRANSMITTAL LETTER

The Agreement entered into by and NOS Communications, Inc. and BellSouth Telecommunications, Inc., dated April 30, 2001, for the states of Alabama, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina, and Tennessee consists of the following:

| ITEM | NO. PAGES |
|---|---|
| Adoption Papers | 4 |
| Exhibit 1 | 1 |
| Title Page | 1 |
| Table of Contents | 1 |
| General Terms and Conditions | 24 |
| Attachment 1 | 37 |
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| Attachment 8 | 2 |
| Attachment 9 | 139 |
| Attachment 10 | 10 |
| Attachment 11 | 11 |
| Attachment 12 | 24 |
| Exhibit 2 | 1 |
| Attachment 4 | 65 |
| TOTAL | 585 |

# AGREEMENT

This Agreement, which shall be deemed effective as of the date of the last signature of both Parties ("Effective Date") is entered into by and between the telecommunications entities set forth below, ("NOS Communications, Inc."), corporation on behalf of itself, and BellSouth Telecommunications, Inc., ("BellSouth"), a Georgia corporation, having an office at 675 W. Peachtree Street, Atlanta, Georgia, 30375, on behalf of itself and its successors and assigns.

NOS Communications, Inc.
NOS Communications, Inc. d/b/a International Plus, d/b/a 011 Communications, d/b/a The Internet Business Association d/b/a iVANTAGE
NOS Communications, Inc. d/b/a INETBA

**WHEREAS,** the Telecommunications Act of 1996 (the "Act") was signed into law on February 8, 1996; and

**WHEREAS,** section 252(i) of the Act requires BellSouth to make available any interconnection, service, or network element provided under an agreement approved by the appropriate state regulatory body to any other requesting telecommunications carrier upon the same terms and conditions as those provided in the agreement in its entirety; and

**WHEREAS,** NOS Communications, Inc. has requested that BellSouth make available the interconnection agreement in its entirety executed between BellSouth and Z-Tel Communications, Inc. dated November 30, 2000 for the states of Alabama, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina, and Tennessee.

**NOW, THEREFORE,** in consideration of the promises and mutual covenants of this Agreement, NOS Communications, Inc. and BellSouth hereby agree as follows:

1. NOS Communications, Inc. and BellSouth shall adopt in its entirety the Z-Tel Communications, Inc. Interconnection Agreement dated November 30, 2000 and any and all amendments to said agreement executed and approved by the appropriate state regulatory commission as of the date of the execution of this Agreement. The Z-Tel Communications, Inc. Interconnection Agreement and all amendments are attached hereto as Exhibit 1 and incorporated herein by this reference. The Parties further agree to delete in its entirety the Attachment 4 contained within the aforementioned Exhibit 1 and replace it with the new Attachment 4, which is attached hereto as Exhibit 2 and incorporated herein by this reference.

2. The adoption of this agreement with amendment(s) consists of the following:

| ITEM | NO. PAGES |
|---|---|
| Adoption Papers | 4 |
| Exhibit 1 | 1 |
| Title Page | 1 |
| Table of Contents | 1 |
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| Attachment 1 | 37 |
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| Attachment 5 | 11 |
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| Attachment 9 | 139 |
| Attachment 10 | 10 |
| Attachment 11 | 11 |
| Attachment 12 | 24 |
| Exhibit 2 | 1 |
| Attachment 4 | 65 |
| TOTAL | 585 |

2. In the event that NOS Communications, Inc. consists of two (2) or more separate entities as set forth in the preamble to this Agreement, all such entities shall be jointly and severally liable for the obligations of NOS Communications, Inc. under this Agreement.

3. The term of this Agreement shall be from the effective date as set forth above and shall expire as set forth in section 1.1of the Z-Tel Communications, Inc. Interconnection Agreement. For the purposes of determining the expiration date of this Agreement pursuant to section Section 1.1 of the Z-Tel Communications, Inc. Interconnection Agreement, the effective date shall be November 29, 2002.

4. NOS Communications, Inc. shall accept and incorporate any amendments to the Z-Tel Communications, Inc. Interconnection Agreement executed as a result of any final judicial, regulatory, or legislative action.

5. Every notice, consent, approval, or other communications required or contemplated by this Agreement shall be in writing and shall be delivered in person or given by postage prepaid mail, address to:

BellSouth Telecommunications, Inc.

CLEC Account Team
9th Floor
600 North 19th Street
Birmingham, Alabama 35203
and

General Attorney - COU
Suite 4300
675 W. Peachtree St.
Atlanta, GA 30375

NOS Communications, Inc.

Glen T. Stockton, II
4380 Boulder Highway
Las Vegas, Nevada 89121
Tel: 702-547-8000
Fax: 702-547-8073

or at such other address as the intended recipient previously shall have designated by written notice to the other Party. Where specifically required, notices shall be by certified or registered mail. Unless otherwise provided in this Agreement, notice by mail shall be effective on the date it is officially recorded as delivered by return receipt or equivalent, and in the absence of such record of delivery, it shall be presumed to have been delivered the fifth day, or next business day after the fifth day, after it was deposited in the mails.

IN WITNESS WHEREOF, the Parties have executed this Agreement through their authorized representatives.

| BellSouth Telecommunications, Inc. | NOS Communications, Inc. |
|---|---|
| Pat C Finlen | |
| Signature | Signature |
| PATRICK C. FINLEN | Joseph Koppy |
| Name | Name |
| MANAGING DIRECTOR | President |
| Title | Title |
| 4/30/01 | April 25, 2001 |
| Date | Date |

# ***Exhibit 1***

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# AGREEMENT
# BETWEEN
# BELLSOUTH TELECOMMUNICATIONS INC.
# AND
# Z-TELCOMMUNICATIONS, INC.

# AGREEMENT

**THIS AGREEMENT** is made by and between BellSouth Telecommunications, Inc., ("BellSouth"), a Georgia corporation, and Z-Tel Communications, Inc. ("Z-Tel"), a Delaware corporation, and shall be deemed effective as of the date of signatures by both parties. This Agreement may refer to either BellSouth or Z-Tel or both as a "Party" or "Parties."

## WITNESSETH

WHEREAS, BellSouth is a local exchange telecommunications company authorized to provide telecommunications services in the states of Alabama, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina and Tennessee; and

WHEREAS, Z-Tel is or seeks to become an alternative local exchange telecommunications company ("CLEC") authorized to provide telecommunications services in the states of Alabama, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina, and Tennessee; and

WHEREAS, the Parties wish to resell BellSouth's telecommunications services and/or interconnect their facilities, purchase network elements and other services, and exchange traffic specifically for the purposes of fulfilling their obligations pursuant to sections 251 and 252 of the Telecommunications Act of 1996 ("the Act").

**NOW THEREFORE**, in consideration of the mutual agreements contained herein, BellSouth and Z-Tel agree as follows:

## 1. Term of the Agreement

1.1 The term of this Agreement shall be two years, beginning as of the date of signature by both Parties and shall apply to the states of Alabama, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina, and Tennessee. If as of the expiration of this Agreement, a Subsequent Agreement (as defined in Section 2.2 below) has not been executed by the Parties, this Agreement shall continue on a month-to-month basis at the same terms conditions and prices as those in effect as of the expiration date hereof while a Subsequent Agreement is being negotiated. The Parties' rights and obligations with respect to this Agreement after expiration shall be as set forth in Section 2.4 below.

1.2 The Parties agree that by no later than one hundred and eighty (180) days prior to the expiration of this Agreement, they shall commence negotiations with regard to the terms, conditions and prices of resale and/or local interconnection to be effective beginning on the expiration date of this Agreement ("Subsequent Agreement").

1.3 If, within one hundred and thirty-five (135) days of commencing the negotiation referred to in Section 2.2 above, the Parties are unable to satisfactorily negotiate new resale and/or local interconnection terms, conditions and prices, either Party may petition the Commission to establish appropriate local interconnection and/or resale arrangements pursuant to 47 U.S.C. 252. The Parties agree that, in such event, they shall encourage the Commission to issue its order regarding the appropriate local interconnection and/or resale arrangements no later than the expiration date of this Agreement. The Parties further agree that in the event the Commission does not issue its order prior to the expiration date of this Agreement, or if the Parties continue beyond the expiration date of this Agreement to negotiate the local interconnection and/or resale arrangements without Commission intervention, the terms, conditions and prices ultimately ordered by the Commission, or negotiated by the Parties, will be effective retroactive to the day following the expiration date of this Agreement.

1.4 Notwithstanding the foregoing, in the event that as of the date of expiration of this Agreement and conversion of this Agreement to a month-to-month term, the Parties have not entered into a Subsequent Agreement and the parties have not commenced good faith negotiations in a timely manner, no arbitration proceeding has been filed in accordance with Section 2.3 above, or the Parties have not mutually agreed (where permissible) to extend the arbitration window for petitioning the applicable Commission(s) for resolution of those terms upon which the Parties have not agreed, then either Party may terminate this Agreement upon sixty (60) days notice to the other Party. In the event that BellSouth terminates this Agreement as provided above, BellSouth shall continue to offer interconnection, unbundled network elements and services to Z-Tel pursuant to the terms, conditions and rates set forth in BellSouth's then current standard interconnection agreement. The Parties may continue to negotiate a Subsequent Agreement, and the terms of such Subsequent Agreement shall be effective retroactive to the day following expiration of this Agreement

## 2. Good Faith Performance

In the performance of their obligations under this Agreement, the Parties shall act in good faith and consistently with the intent of the Act. Where notice, approval, or similar action by a Party is permitted or required by any provision of this Agreement, (including, without limitation, the obligation of the Parties to further negotiate the resolution of new or open issues under this Agreement) such action shall not be unreasonably delayed, withheld, or conditioned.

## 3. Ordering Procedures

3.1 Z-Tel shall provide BellSouth its Carrier Identification Code (CIC), Operating Company Number (OCN), Group Access Code (GAC) and Access Customer Name and Address (ACNA) code as applicable prior to placing its first order.

3.2 The Parties agree to adhere to the BellSouth Local Interconnection and Facility Based Ordering Guide and Resale Ordering Guide, as appropriate for the services ordered.

3.3 Z-Tel shall pay charges for Operational Support Systems (OSS) as set forth in this Agreement in Attachment 1 and/or in Attachment 2, 3, 5 and 7 as applicable.

**4. Parity**

When Z-Tel purchases, pursuant to Attachment 1 of this Agreement, telecommunications services from BellSouth for the purposes of resale to end users, BellSouth shall provide said services so that the services and service provisioning are at least equal in quality, subject to the same conditions, and provided within the same provisioning time intervals that BellSouth provides to its affiliates, subsidiaries and end users. To the extent technically feasible, the quality of a Network Element, as well as the quality of the access to such Network Element provided by BellSouth to Z-Tel shall be at least equal in quality to that which BellSouth provides to itself, its subsidiaries, affiliates, or other carriers. The quality of the interconnection between the networks of BellSouth and the network of Z-Tel shall be at a level that is equal to that which BellSouth provides itself, a subsidiary, an Affiliate, or any other party. The interconnection facilities shall be designed to meet the same technical criteria and service standards that are used within BellSouth's network and shall extend to a consideration of service quality as perceived by end users and service quality as perceived by Z-Tel.

**5. Directory Listings**

BellSouth shall provide Z-Tel and their customers on a non-discriminatory basis, access to white pages and yellow pages directory listings in the same manner BellSouth provides such listings to its own end users, and consistent with the following terms:

5.1 Listings. Z-Tel shall provide all new, changed and deleted listings, on a timely basis and BellSouth or its agent will include Z-Tel residential and business customer listings in the appropriate White Pages (residential and business) or alphabetical directories. Z-Tel will provide to BellSouth all Z-Tel end users that wish to be omitted from directories. Directory listings will make no distinction between Z-Tel and BellSouth subscribers.

5.1.1 Enhanced Listings. Where BellSouth offers to publish, at no charge, in its white pages directory Enhanced White Pages Listings to its retail customers, BellSouth shall publish such listings, at no charge and under the same terms and conditions,

for Z-Tel for its end users. Where BellSouth charges its retail customers for Enhanced White Pages Listings, BellSouth shall publish such listings under the same terms and conditions to Z-Tel for its Customers at the applicable wholesale discount set forth in Attachment 1.

5.1.2 Yellow Pages Directory Listings. Where BellSouth offers to publish in its Yellow Pages Directory free Yellow Pages listings to its retail end users, BellSouth shall publish such listings, at no charge, and under the same terms and conditions to Z-Tel for its end users. Where BellSouth charges business end users for Yellow Pages basic Directory Listings, BellSouth shall provide one Yellow Pages basic Directory Listing for each Customer, who subscribes to business services, at BellSouth tariffed rates at the applicable wholesale discount. BellSouth shall not provide "lead" information on Z-Tel end users to its Yellow Pages directory publishing Affiliate without written permission from Z-Tel.

5.2 Rates. Unless otherwise agreed, BellSouth and Z-Tel will provide to each other subscriber primary listing information in the White Pages at no charge except for discounted applicable wholesale service order charges as set forth in the appropriate tariffs.

5.3 Procedures for Submitting Z-Tel Subscriber Information are found in BellSouth's Ordering Guide for manually processed listings and in the Local Exchange Ordering Guide for mechanically submitted listings.

5.3.1 Notwithstanding any provision(s) to the contrary, Z-Tel agrees to provide to BellSouth, and BellSouth agrees to accept, Z-Tel's Subscriber Listing Information (SLI) relating to Z-Tel's customers in the geographic area(s) covered by this Interconnection Agreement. Z-Tel authorizes BellSouth to release all such Z-Tel SLI provided to BellSouth by Z-Tel to qualifying third parties via either license agreement or BellSouth's Directory Publishers Database Service (DPDS), General Subscriber Services Tariff, Section A38.2, as the same may be amended from time to time. Such CLEC SLI shall be intermingled with BellSouth's own customer listings of any other CLEC that has authorized a similar release of SLI. Where necessary, BellSouth will use good faith efforts to obtain state commission approval of any necessary modifications to Section A38.2 of its tariff to provide for release of third party directory listings, including modifications regarding listings to be released pursuant to such tariff and BellSouth's liability therunder. BellSouth's obligation pursuant to this Section shall not arise in any particular state until the commission of such state has approved modifications to such tariff.

5.3.2 No compensation shall be paid to Z-Tel for BellSouth's receipt of Z-Tel SLI, or for the subsequent release to third parties of such SLI. In addition, to the extent BellSouth incurs costs on an ongoing basis to administer the release of Z-Tel SLI, Z-Tel shall pay to BellSouth its proportionate share of the reasonable costs associated therewith. Before BellSouth incurs any cost under this Section, it

shall inform Z-Tel of its good faith estimate of Z-Tel's share of such cost, and Z-Tel shall have the option of agreeing in writing to the cost or of discontinuing the release of Z-Tel's SLI.

5.3.3 BellSouth shall not be liable for the content or accuracy of any SLI provided by Z-Tel under this Agreement. Z-Tel shall indemnify, hold harmless and defend BellSouth from and against any damages, losses, liabilities, demands claims, suits, judgments, costs and expenses (including but not limited to reasonable attorneys' fees and expenses) arising from BellSouth's tariff obligations or otherwise and resulting from or arising out of any third party's claim of inaccurate Z-Tel listings or use of the SLI provided pursuant to this Agreement. BellSouth shall forward to Z-Tel any complaints received by BellSouth relating to the accuracy or quality of Z-Tel listings.

5.3.4 Listings and subsequent updates will be released consistent with BellSouth system changes and/or update scheduling requirements.

5.4 Unlisted/Non-Published Subscribers. Z-Tel will be required to provide to BellSouth the names, addresses and telephone numbers of all Z-Tel customers that wish to be omitted from directories.

5.5 Inclusion of Z-Tel Customers in Directory Assistance Database. BellSouth will include and maintain Z-Tel subscriber listings in BellSouth's Directory Assistance databases at no charge and Z-Tel shall provide such Directory Assistance listings at no charge. BellSouth will update the Directory Assistance database with the same timeliness as for its retail end users. BellSouth and Z-Tel will formulate appropriate procedures regarding lead-time, timeliness, format and content of listing information. BellSouth shall advise Z-Tel as soon as possible, but in no event fewer than six (6) months in advance, of any changes in the maintenance of the Directory Listings database or any mechanisms or interfaces, whether industry standard or not, pursuant to which BellSouth will provide Directory Listings to Z-Tel.

5.6 Listing Information Confidentiality. BellSouth will accord Z-Tel's directory listing information the same level of confidentiality that BellSouth accords its own directory listing information, and BellSouth shall limit access to Z-Tel's customer proprietary or confidential directory information to those BellSouth employees who are involved in the preparation of listings and such information shall not be used for other purposes. .

5.7 Optional Listings. Additional listings and optional listings will be offered by BellSouth at tariffed rates as set forth in the General Subscriber Services Tariff.

5.8 Directory Delivery. BellSouth or its agent shall deliver White Pages directories and Yellow Pages directories to Z-Tel subscribers at no charge or as specified in a separate BAPCO agreement.

## 6. Bona Fide Request/New Business Request Process for Further Unbundling

If Z-Tel is a facilities based provider or a facilities based and resale provider, this section shall apply. BellSouth shall, upon request of Z-Tel, provide to Z-Tel access to its network elements at any technically feasible point for the provision of Z-Tel's telecommunications service where such access is necessary and failure to provide access would impair the ability of Z-Tel to provide services that it seeks to offer. Any request by Z-Tel for access to a network element, interconnection option, or for the provisioning of any service or product that is not already available shall be treated as a Bona Fide Request/New Business Request, and shall be submitted to BellSouth pursuant to the Bona Fide Request/New Business Request process set forth following.

6.1 A Bona Fide Request/New Business Request shall be submitted in writing to Z-Tel's Account Manager by Z-Tel and shall specifically identify the requested service date, technical requirements, space requirements and/or such specifications that clearly define the request such that BellSouth has sufficient information to analyze and prepare a response.

6.2 Upon request, a service or product requested by another carrier through BFR/NBR process shall be available to Z-Tel on the same rates, terms and conditions.

## 7. Court Ordered Requests for Call Detail Records and Other Subscriber Information

7.1 To the extent technically feasible, BellSouth maintains call detail records for Z-Tel end users for limited time periods and can respond to subpoenas and court ordered requests for this information. BellSouth shall maintain such information for Z-Tel end users for the same length of time it maintains such information for its own end users.

7.2 Z-Tel agrees that BellSouth will respond to subpoenas and court ordered requests delivered directly to BellSouth for the purpose of providing call detail records when the targeted telephone numbers belong to Z-Tel end users. Billing for such requests will be generated by BellSouth and directed to the law enforcement agency initiating the request.

7.3 Where BellSouth is providing to Z-Tel telecommunications services for resale or providing to Z-Tel the local switching function, then Z-Tel agrees that in those cases where Z-Tel receives subpoenas or court ordered requests regarding targeted telephone numbers belonging to Z-Tel end users, if Z-Tel does not have the

requested information, Z-Tel will advise the law enforcement agency initiating the request to redirect the subpoena or court ordered request to BellSouth. Where the request has been forwarded to BellSouth, billing for call detail information will be generated by BellSouth and directed to the law enforcement agency initiating the request.

7.4 In all other instances, Z-Tel will provide Z-Tel end user and/or other customer information that is available to Z-Tel in response to subpoenas and court orders for their own customer records. When BellSouth receives subpoenas or court ordered requests regarding targeted telephone numbers belonging to Z-Tel end users, BellSouth will advise the law enforcement agency initiating the request to redirect the subpoena or court ordered request to Z-Tel.

## 8. Liability and Indemnification

8.1 BellSouth Liability. BellSouth shall take financial responsibility for its own actions in causing, or its lack of action in preventing, unbillable or uncollectible Z-Tel revenues.

8.2 Z-Tel Liability. In the event that, by amendment to this agreement or otherwise, Z-Tel consists of two (2) or more separate entities as set forth in the preamble to this Agreement, all such entities shall be jointly and severally liable for the obligations of Z-Tel under this Agreement.

8.3 Liability for Acts or Omissions of Third Parties. Neither BellSouth nor Z-Tel shall be liable for any act or omission of another telecommunications company providing a portion of the services provided under this Agreement.

8.4 Limitation of Liability.

8.4.1 Each Party's liability to the other for any loss, cost, claim, injury or liability or expense, including reasonable attorney's fees relating to or arising out of any negligent act or omission in its performance of this Agreement whether in contract or in tort, shall be limited to a credit for the actual cost of the services or functions not performed or improperly performed, except to the extent otherwise provided for in this Agreement. Notwithstanding the foregoing, claims for damages by a Party, any customer of that Party, or any other person or entity resulting from the gross negligence or willful misconduct of the other Party shall not be subject to such limitation of liability.

8.4.2 Limitations in Tariffs. A Party may, in its sole discretion, provide in its tariffs and contracts with its Customer and third parties that relate to any service, product or function provided or contemplated under this Agreement that to the maximum extent permitted by Applicable Law, such Party shall not be liable to Customer or third Party for (i) any Loss relating to or arising out of this Agreement, whether in

contract, tort or otherwise, that exceeds the amount such Party would have charged that applicable person for the service, product or function that gave rise to such Loss and (ii) Consequential Damages. To the extent that a Party elects not to place in its tariffs or contracts such limitations of liability, and the other Party incurs a Loss as a result thereof, such Party shall indemnify and reimburse the other Party for that portion of the Loss that would have been limited had the first Party included in its tariffs and contracts the limitations of liability that such other Party included in its own tariffs at the time of such Loss.

8.4.3 Neither BellSouth nor Z-Tel shall be liable for damages to the other's terminal location, POI or other company's customers' premises resulting from the furnishing of a service, including, but not limited to, the installation and removal of equipment or associated wiring, except to the extent caused by a company's negligence or willful or intentional misconduct or by a company's failure to properly ground a local loop after disconnection.

8.4.4 Under no circumstance shall a Party be responsible or liable for indirect, incidental, or consequential damages, including, but not limited to, economic loss or lost business or profits, damages arising from the use or performance of equipment or software, or the loss of use of software or equipment, or accessories attached thereto, delay, error, or loss of data. In connection with this limitation of liability, each Party recognizes that the other Party may, from time to time, provide advice, make recommendations, or supply other analyses related to the Services, or facilities described in this Agreement, and, while each Party shall use diligent efforts in this regard, the Parties acknowledge and agree that this limitation of liability shall apply to provision of such advice, recommendations, and analyses.

8.5 Indemnification for Certain Claims. The Party providing services hereunder, its affiliates and its parent company, shall be indemnified, defended and held harmless by the Party receiving services hereunder against any claim, loss or damage arising from the receiving company's use of the services provided under this Agreement pertaining to (1) claims for libel, slander or invasion of privacy arising from the content of the receiving company's own communications, or (2) any claim, loss or damage claimed by the customer of the Party receiving services arising from such company's use or reliance on the providing company's services, actions, duties, or obligations arising out of this Agreement.

8.6 Disclaimer. EXCEPT AS SPECIFICALLY PROVIDED TO THE CONTRARY IN THIS AGREEMENT, NEITHER PARTY MAKES ANY REPRESENTATIONS OR WARRANTIES TO THE OTHER PARTY CONCERNING THE SPECIFIC QUALITY OF ANY SERVICES, OR FACILITIES PROVIDED UNDER THIS AGREEMENT. THE PARTIES DISCLAIM, WITHOUT LIMITATION, ANY WARRANTY OR GUARANTEE OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE,

ARISING FROM COURSE OF PERFORMANCE, COURSE OF DEALING, OR FROM USAGES OF TRADE.

## 9. Intellectual Property Rights and Indemnification

9.1 No License. Except for the limited right to access BellSouth information through various operational support systems as set forth in this Agreement for use as expressly set forth herein, no patent, copyright, trademark or other proprietary right is licensed, granted or otherwise transferred by this Agreement. Z-Tel is strictly prohibited from any use, including but not limited to in sales, in marketing or advertising of telecommunications services, of any BellSouth name, service mark or trademark, except that (1) Z-Tel may make factual references to the BellSouth name in response to a customer or potential customer inquiry regarding the source of the underlying services or the identity of repair technicians, and (2) Z-Tel may use the BellSouth name in comparative advertising so long as the reference is truthful and factual, does not relate to the source of the underlying service and does not imply any agency relationship, partnership, endorsement, sponsorship or affiliation by or with BellSouth. .

9.2 Ownership of Intellectual Property. Any intellectual property which originates from or is developed by a Party shall remain in the exclusive ownership of that Party. Except for a limited license to use patents or copyrights to the extent necessary for the Parties to use any facilities or equipment (including software) or to receive any service solely as provided under this Agreement, no license in patent, copyright, trademark or trade secret, or other proprietary or intellectual property right now or hereafter owned, controlled or licensable by a Party, is granted to the other Party or shall be implied or arise by estoppel. It is the responsibility of each Party to ensure at no additional cost to the other Party that it has obtained any necessary licenses in relation to intellectual property of third Parties used in its network that may be required to enable the other Party to use any facilities or equipment (including software), to receive any service, or to perform its respective obligations under this Agreement.

9.3 Indemnification. The Party providing a service pursuant to this Agreement will defend the Party receiving such service or data provided as a result of such service against claims of infringement arising solely from the use by the receiving Party of such service and will indemnify the receiving Party for any damages awarded based solely on such claims in accordance with Section 8 of this Agreement.

9.4 Claim of Infringement. In the event that use of any facilities or equipment (including software), becomes, or in reasonable judgment of the Party who owns the affected network is likely to become, the subject of a claim, action, suit, or proceeding based on intellectual property infringement, then said Party shall promptly and at its sole expense, but subject to the limitations of liability set forth below:

9.4.1 modify or replace the applicable facilities or equipment (including software) while maintaining form and function, or

9.4.2 obtain a license sufficient to allow such use to continue.

9.4.3 In the event 9.4.1 or 9.4.2 are commercially unreasonable, then said Party may, terminate, upon reasonable notice, this contract with respect to use of, or services provided through use of, the affected facilities or equipment (including software), but solely to the extent required to avoid the infringement claim.

9.5 Exception to Obligations. Neither Party's obligations under this Section shall apply to the extent the infringement is caused by: (i) modification of the facilities or equipment (including software) by the indemnitee; (ii) use by the indemnitee of the facilities or equipment (including software) in combination with equipment or facilities (including software) not provided or authorized by the indemnitor provided the facilities or equipment (including software) would not be infringing if used alone; (iii) conformance to specifications of the indemnitee which would necessarily result in infringement; or (iv) continued use by the indemnitee of the affected facilities or equipment (including software) after being placed on notice to discontinue use as set forth herein.

9.6 Exclusive Remedy. The foregoing shall constitute the Parties' sole and exclusive remedies and obligations with respect to a third party claim of intellectual property infringement arising out of the conduct of business under this Agreement.

## 10. Proprietary and Confidential Information

10.1 Proprietary and Confidential Information: Defined. It may be necessary for BellSouth and Z-Tel, each as the "Discloser," to provide to the other party, as "Recipient," proprietary and confidential information(including trade secret information) including but not limited to technical, financial, marketing, staffing and business plans and information, strategic information, proposals, request for proposals, specifications, drawings, prices, costs, procedures, processes, business systems, software programs, techniques, customer account data, call detail records and like information. This proprietary and confidential information also includes, but is not limited to all orders for Services and Network Elements placed by either Party, and information that would constitute Customer Proprietary Network Information and Recorded Usage Data, whether disclosed by the Discloser or otherwise acquired by the Recepient in the course of the performance of this Agreement. (This proprietary and confidential information is collectively the Discloser's"Information"). All Information provided to Recipient by Discloser shall be treated as proprietary and confidential.

10.2 Use and Protection of Information. Recipient shall use the Information solely for the purpose(s) of performing this Agreement, and Recipient shall protect

Information from any use, distribution or disclosure except as permitted hereunder. Recipient will use the same standard of care to protect Information as Recipient uses to protect its own similar confidential and proprietary information, but not less than a reasonable standard of care. Recipient may disclose Information solely to the Authorized Representatives of the Recipient who (a) have a substantive need to know such Information in connection with performance of the Agreement; (b) have been advised of the confidential and proprietary nature of the Information; and (c) have personally agreed in writing to protect from unauthorized disclosure all confidential and proprietary information, of whatever source, to which they have access in the course of their employment. Unless otherwise agreed, Recipient shall not permit employees or agents of Recipient with end user marketing, product development, or any other non-Discloser purpose, to have access to Information under any circumstances. "Authorized Representatives" are the officers, directors and employees of Recipient and its Affiliates, as well as Recipient's and its Affiliates' consultants, contractors, counsel and agents. " Affiliates" means any company that is owned in whole or in part, now or in the future, directly or indirectly through a subsidiary, by a party hereto.

10.3 Ownership, Copying & Return of Information. Information remains at all times the property of Discloser. Recipient may make tangible or electronic copies, notes, summaries or extracts of Information only as necessary for use as authorized herein. All such tangible or electronic copies, notes, summaries or extracts must be marked with the same confidential and proprietary notice as appears on the original. Upon Discloser's request, all or any requested portion of the Information (including, but not limited to, tangible and electronic copies, notes, summaries or extracts of any information) will be promptly returned to Discloser or destroyed according to Discloser's request, and Recipient will provide Discloser with written certification stating that such Information has been returned or destroyed.

10.4 Exceptions . Discloser's Information does not include: (a) any information publicly disclosed by Discloser; (b) any information Discloser in writing authorizes Recipient to disclose without restriction; (c) any information already lawfully known to Recipient at the time it is disclosed by the Discloser, without an obligation to keep confidential; or (d) any information Recipient lawfully obtains from any source other than Discloser, provided that such source lawfully disclosed and/or independently developed such information. If Recipient is required to provide Information to any court or government agency pursuant to written court order, subpoena, regulation or process of law, Recipient must first provided Discloser with prompt written notice of such requirement and cooperate with Discloser to appropriately protect against or limit the scope of such disclosure. To the fullest extent permitted by law, Recipient will continue to protect as confidential and proprietary all Information disclosed in response to a written court order, subpoena, regulation or process of law

10.5 Equitable Relief. Recipient acknowledges and agrees that any breach or threatened breach of this Agreement is likely to cause Discloser irreparable harm for which money damages may not be an appropriate or sufficient remedy. Recipient therefore agrees that Discloser or its Affiliates, as the case may be, are entitled to receive injunctive or other equitable relief to remedy or prevent any breach or threatened breach of this Agreement. Such remedy is not the exclusive remedy for any breach or threatened breach of this Agreement, but is in addition to all other rights and remedies available at law or in equity.

10.6 Survival of Confidentiality Obligations. The parties' rights and obligations under this Section 10 shall survive and continue in effect until three (3) years after the expiration or termination date of this Agreement with regard to all Information exchanged during the term of this Agreement. Thereafter, the parties' rights and obligations hereunder survive and continue in effect with respect to any Information that is a trade secret under applicable law.

## 11. Assignments

Any assignment by either Party to any non-affiliated entity of any right, obligation or duty, or of any other interest hereunder, in whole or in part, without the prior written consent of the other Party shall be void. Such consent will not be unreasonably withheld. A Party may assign this Agreement or any right, obligation, duty or other interest hereunder to an Affiliate company of the Party without the consent of the other Party. All obligations and duties of any Party under this Agreement shall be binding on all successors in interest and assigns of such Party. No assignment or delegation hereof shall relieve the assignor of its obligations under this Agreement in the event that the assignee fails to perform such obligations.

## 12. Resolution of Disputes

Except as otherwise stated in this Agreement, the Parties agree that if any dispute arises as to the interpretation of any provision of this Agreement or as to the proper implementation of this Agreement, either Party may petition the Commission for a resolution of the dispute. However, each Party reserves any rights it may have to seek judicial review of any ruling made by the Commission concerning this Agreement.

The Parties agree that this Section does not prevent either Party from seeking temporary equitable remedies, including temporary restraining orders. A request by a Party to a court or a regulatory authority for interim measures or equitable relief shall not be deemed a waiver of the obligation to comply with the Dispute Resolution provisions.

Nonexclusive Remedies except as otherwise expressly provided in this Agreement, each of the remedies provided under this Agreement is cumulative and is in addition to any remedies that may be available at law or in equity.

**13. Taxes**

13.1 Definition. For purposes of this Section, the terms "taxes" and "fees" shall include but not limited to federal, state or local sales, use, excise, gross receipts or other taxes or tax-like fees of whatever nature and however designated (including tariff surcharges and any fees, charges or other payments, contractual or otherwise, for the use of public streets or rights of way, whether designated as franchise fees or otherwise) imposed, or sought to be imposed, on or with respect to the services furnished hereunder or measured by the charges or payments therefore, excluding any taxes levied on income.

13.2 Taxes and Fees Imposed Directly On Either Providing Party or Purchasing Party.

13.2.1 Taxes and fees imposed on the providing Party, which are not permitted or required to be passed on by the providing Party to its customer, shall be borne and paid by the providing Party.

13.2.2 Taxes and fees imposed on the purchasing Party, which are not required to be collected and/or remitted by the providing Party, shall be borne and paid by the purchasing Party.

13.3 Taxes and Fees Imposed on Purchasing Party But Collected And Remitted By Providing Party.

13.3.1 Taxes and fees imposed on the purchasing Party shall be borne by the purchasing Party, even if the obligation to collect and/or remit such taxes or fees is placed on the providing Party.

13.3.2 To the extent permitted by applicable law, any such taxes and/or fees shall be shown as separate items on applicable billing documents between the Parties. Notwithstanding the foregoing, the purchasing Party shall remain liable for any such taxes and fees regardless of whether they are actually billed by the providing Party at the time that the respective service is billed.

13.3.3 If the purchasing Party determines that in its opinion any such taxes or fees are not payable, the providing Party shall not bill such taxes or fees to the purchasing Party if the purchasing Party provides written certification, reasonably satisfactory to the providing Party, stating that it is exempt or otherwise not subject to the tax or fee, setting forth the basis therefor, and satisfying any other requirements under applicable law. If any authority seeks to collect any such tax or fee that the purchasing Party has determined and certified not to be payable, or any such tax or fee that was not billed by the providing Party, the purchasing Party may contest

the same in good faith, at its own expense. In any such contest, the purchasing Party shall promptly furnish the providing Party with copies of all filings in any proceeding, protest, or legal challenge, all rulings issued in connection therewith, and all correspondence between the purchasing Party and the taxing authority.

13.3.4 In the event that all or any portion of an amount sought to be collected must be paid in order to contest the imposition of any such tax or fee, or to avoid the existence of a lien on the assets of the providing Party during the pendency of such contest, the purchasing Party shall be responsible for such payment and shall be entitled to the benefit of any refund or recovery.

13.3.5 If it is ultimately determined that any additional amount of such a tax or fee is due to the imposing authority, the purchasing Party shall pay such additional amount, including any interest and penalties thereon.

13.3.6 Notwithstanding any provision to the contrary, the purchasing Party shall protect, indemnify and hold harmless (and defend at the purchasing Party's expense) the providing Party from and against any such tax or fee, interest or penalties thereon, or other charges or payable expenses (including reasonable attorney fees) with respect thereto, which are incurred by the providing Party in connection with any claim for or contest of any such tax or fee.

13.3.7 Each Party shall notify the other Party in writing of any assessment, proposed assessment or other claim for any additional amount of such a tax or fee by a taxing authority; such notice to be provided, if possible, at least ten (10) days prior to the date by which a response, protest or other appeal must be filed, but in no event later than thirty (30) days after receipt of such assessment, proposed assessment or claim.

13.4 Taxes and Fees Imposed on Providing Party But Passed On To Purchasing Party.

13.4.1 Taxes and fees imposed on the providing Party, which are permitted or required to be passed on by the providing Party to its customer, shall be borne by the purchasing Party. Nothing in this Agreement shall be construed to create an independent right in the providing Party to pass on taxes and or fees to the purchasing Party.

13.4.2 To the extent permitted by applicable law, any such taxes and/or fees shall be shown as separate items on applicable billing documents between the Parties. Notwithstanding the foregoing, the purchasing Party shall remain liable for any such taxes and fees regardless of whether they are actually billed by the providing Party at the time that the respective service is billed.

13.4.3 If the purchasing Party disagrees with the providing Party's determination as to the application or basis for any such tax or fee, the Parties shall consult with respect to the imposition and billing of such tax or fee. Notwithstanding the

foregoing, the providing Party shall retain ultimate responsibility for determining whether and to what extent any such taxes or fees are applicable, and the purchasing Party shall abide by such determination and pay such taxes or fees to the providing Party. The providing Party shall further retain ultimate responsibility for determining whether and how to contest the imposition of such taxes and fees; provided, however, that any such contest undertaken at the request of the purchasing Party shall be at the purchasing Party's expense.

13.4.4 In the event that all or any portion of an amount sought to be collected must be paid in order to contest the imposition of any such tax or fee, or to avoid the existence of a lien on the assets of the providing Party during the pendency of such contest, the purchasing Party shall be responsible for such payment and shall be entitled to the benefit of any refund or recovery.

13.4.5 If it is ultimately determined that any additional amount of such a tax or fee is due to the imposing authority, the purchasing Party shall pay such additional amount, including any interest and penalties thereon.

13.4.6 Notwithstanding any provision to the contrary, the purchasing Party shall protect indemnify and hold harmless (and defend at the purchasing Party's expense) the providing Party from and against any such tax or fee, interest or penalties thereon, or other reasonable charges or payable expenses (including reasonable attorney fees) with respect thereto, which are incurred by the providing Party in connection with any claim for or contest of any such tax or fee.

13.4.7 Each Party shall notify the other Party in writing of any assessment, proposed assessment or other claim for any additional amount of such a tax or fee by a taxing authority; such notice to be provided, if possible, at least ten (10) days prior to the date by which a response, protest or other appeal must be filed, but in no event later than thirty (30) days after receipt of such assessment, proposed assessment or claim.

13.5 Mutual Cooperation. In any contest of a tax or fee by one Party, the other Party shall cooperate fully by providing records, testimony and such additional information or assistance as may reasonably be necessary to pursue the contest. Further, the other Party shall be reimbursed for any reasonable and necessary out-of-pocket copying and travel expenses incurred in assisting in such contest.

## 14. Force Majeure

In the event performance of this Agreement, or any obligation hereunder, is either directly or indirectly prevented, restricted, or interfered with by reason of fire, flood, earthquake or like acts of God, wars, revolution, civil commotion, explosion, acts of public enemy, embargo, acts of the government in its sovereign capacity, labor difficulties, including without limitation, strikes, slowdowns, picketing, or boycotts, unavailability of equipment from vendor, changes

requested by Customer, or any other circumstances beyond the reasonable control and without the fault or negligence of the Party affected, the Party affected, upon giving prompt notice to the other Party, shall be excused from such performance on a day-to-day basis to the extent of such prevention, restriction, or interference (and the other Party shall likewise be excused from performance of its obligations on a day-to-day basis until the delay, restriction or interference has ceased); provided however, that the Party so affected shall use diligent efforts to avoid or remove such causes of non-performance and both Parties shall proceed whenever such causes are removed or cease.

**15. Year 2000 Compliance**

Each Party warrants that it has implemented a program the goal of which is to ensure that all software, hardware and related materials (collectively called "Systems") delivered, connected with BellSouth or supplied in the furtherance of the terms and conditions specified in this Agreement: (i) will record, store, process and display calendar dates falling on or after January 1, 2000, in the same manner, and with the same functionality as such software records, stores, processes and calendar dates falling on or before December 31, 1999; and (ii) shall include without limitation date data century recognition, calculations that accommodate same century and multicentury formulas and date values, and date data interface values that reflect the century.

**16. Modification of Agreement**

16.1 BellSouth shall make available, pursuant to 47 USC § 252 and the FCC rules and regulations regarding such availability, to Z-Tel any interconnection, service, or network element provided under any other agreement filed and approved pursuant to 47 USC § 252. The Parties shall adopt all rates, terms and conditions concerning such other interconnection, service or network element and any other rates, terms and conditions that are legitimately related. The adopted interconnection, service, or network element, provision and/or agreement shall apply to the same states as such other agreement and for the identical term of such other agreement.

16.2 If Z-Tel changes its name or makes changes to its company structure or identity due to a merger, acquisition, transfer or any other reason, it is the responsibility of Z-Tel to notify BellSouth of said change and request that an amendment to this Agreement, if necessary, be executed to reflect said change.

16.3 No modification, amendment, supplement to, or waiver of the Agreement or any of its provisions shall be effective and binding upon the Parties unless it is made in writing and duly signed by the Parties.

16.4 Execution of this Agreement by either Party does not confirm or infer that the executing Party agrees with any decision(s) issued pursuant to the Telecommunications Act of 1996 and the consequences of those decisions on

specific language in this Agreement. Neither Party waives its rights to appeal or otherwise challenge any such decision(s) and each Party reserves all of its rights to pursue any and all legal and/or equitable remedies, including appeals of any such decision(s).

16.5 In the event that any effective legislative, regulatory (including generic proceedings), judicial or other legal action materially affects any material terms of this Agreement, or the ability of Z-Tel or BellSouth to perform any material terms of this Agreement, Z-Tel or BellSouth may, provide written notice to require that such terms be renegotiated, and the Parties shall renegotiate in good faith such mutually acceptable new terms as may be required. In the event that such new terms are not renegotiated within ninety (90) days after such notice, the Dispute shall be referred to the Dispute Resolution procedure set forth in Section 12.

16.6 If any provision of this Agreement, or the application of such provision to either Party or circumstance, shall be held invalid, the remainder of the Agreement, or the application of any such provision to the Parties or circumstances other than those to which it is held invalid, shall not be effective thereby, provided that the Parties shall attempt to reformulate such invalid provision to give effect to such portions thereof as may be valid without defeating the intent of such provision.

## 17. Waivers

A failure or delay of either Party to enforce any of the provisions hereof, to exercise any option which is herein provided, or to require performance of any of the provisions hereof shall in no way be construed to be a waiver of such provisions or options, and each Party, notwithstanding such failure, shall have the right thereafter to insist upon the specific performance of any and all of the provisions of this Agreement.

## 18. Governing Law

To the extent any provisions of this Agreement are subject to the jurisdiction of the FCC, applicable federal rules and regulations shall govern those provisions. To the extent any provisions of this Agreement are subject to the jurisdiction of the state Commission, applicable Commission rules and regulations shall govern those provisions. All other provisions of this Agreement shall be governed by the laws of the state of Georgia.

## 19. Arm's Length Negotiations

This Agreement was executed after arm's length negotiations between the undersigned Parties and reflects the conclusion of the undersigned that this Agreement is in the best interests of all Parties

**20. Notices**

20.1 Every notice, consent, approval, or other communications required or contemplated by this Agreement shall be in writing and shall be delivered in person or given by postage prepaid mail, address to:

**BellSouth Telecommunications, Inc.**

CLEC Account Team
9th Floor
600 North 19th Street
Birmingham, Alabama 35203

and

General Attorney - COU
Suite 4300
675 W. Peachtree St.
Atlanta, GA 30375

**Z-Tel Communications, Inc.**

Attention: Don Davis
601 South Harbour Island Blvd.
Suite 220
Tampa, FL 33602
Phone: 813-233-4615

or at such other address as the intended recipient previously shall have designated by written notice to the other Party.

20.2 Where specifically required, notices shall be by certified or registered mail. Unless otherwise provided in this Agreement, notice by mail shall be effective on the date it is officially recorded as delivered by return receipt or equivalent, and in the absence of such record of delivery, it shall be presumed to have been delivered the fifth day, or next business day after the fifth day, after it was deposited in the mails.

20.3 BellSouth shall provide Z-Telat least 30 day advance (or such shorter notice as may be required or permitted by Commission order) notice via Internet posting of price changes and of changes to the terms and conditions of services available for resale in accordance with applicable Commission rules or orders. To the extent that revisions occur between the time BellSouth notifies Z-Tel of changes under this Agreement and the time the changes are scheduled to be implemented,

BellSouth will immediately notify Z-Tel of such revisions consistent with its internal notification process.

**21. Rule of Construction**

No rule of construction requiring interpretation against the drafting Party hereof shall apply in the interpretation of this Agreement.

**22. Headings of No Force or Effect**

The headings of Articles and Sections of this Agreement are for convenience of reference only, and shall in no way define, modify or restrict the meaning or interpretation of the terms or provisions of this Agreement.

**23. Multiple Counterparts**

This Agreement may be executed multiple counterparts, each of which shall be deemed an original, but all of which shall together constitute but one and the same document.

**24. Implementation of Agreement**

If Z-Tel is a facilities based provider or a facilities based and resale provider, this section shall apply. Within 60 days of the execution of this Agreement, the Parties will adopt a schedule for the implementation of the Agreement. The schedule shall state with specificity time frames for submission of including but not limited to, network design, interconnection points, collocation arrangement requests, pre-sales testing and full operational time frames for the business and residential markets. An implementation template to be used for the implementation schedule is contained in Attachment 10 of this Agreement.

**25. Guides**

This Agreement contains references to numerous Guides maintained by BellSouth, including, but not limited to, the BellSouth Local Interconnection and Facility Based Ordering Guide, BellSouth Resale Ordering Guide, BellSouth Products and Services Interval Guide, and the BellSouth Facility Based CLEC Activation Requirements Customer Guide (together, "Guides"). Where this Agreement references any BellSouth Guides, the Parties agree to adhere to such Guides, provided that these Guides do not affect the substantive rights and obligations of the Parties under this Agreement. In the event of a conflict between this Agreement and any Guides, this Agreement controls. All intervals set forth in the most current Guides available on the effective date of this contract shall be available to Z-Tel, regardless of future BellSouth updates to the Guides. In the event BellSouth modifies the intervals set forth in the Guides after the effective date of this agreement, Z-Tel, at its sole option and upon written notice to BellSouth, , may choose to continue with the intervals

set forth at the effective date of the agreement. Otherwise, the intervals in BellSouth's guides shall apply.

**26. Filing of Agreement**

Upon execution of this Agreement it shall be filed with the appropriate state regulatory agency pursuant to the requirements of Section 252 of the Act. If the regulatory agency imposes any filing or public interest notice fees regarding the filing or approval of the Agreement, Z-Tel shall be responsible for publishing the required notice and the publication and/or notice costs shall be borne by Z-Tel.

**27. Entire Agreement**

This Agreement and its Attachments, incorporated herein by this reference, sets forth the entire understanding and supersedes prior Agreements between the Parties relating to the subject matter contained herein and merges all prior discussions between them, and neither Party shall be bound by any definition, condition, provision, representation, warranty, covenant or promise other than as expressly stated in this Agreement or as is contemporaneously or subsequently set forth in writing and executed by a duly authorized officer or representative of the Party to be bound thereby.

**This Agreement may include attachments with provisions for the following services:**

Network Elements and Other Services
Local Interconnection
Resale
Collocation

**The following services are included as options for purchase by Z-Tel. Z-Tel shall elect said services by written request to its Account Manager if applicable.**
Optional Daily Usage File (ODUF)
Enhanced Optional Daily Usage File (EODUF)
Access Daily Usage File (ADUF)
Line Information Database (LIDB) Storage
Centralized Message Distribution Service (CMDS)
Calling Name (CNAM)

IN WITNESS WHEREOF, the Parties have executed this Agreement the day and year above first written.

**BellSouth Telecommunications, Inc.**

C W Boltz
Signature

C. W. BOLTZ
Name

MANAGING DIRECTOR
Title

11/30/00
Date

**Z-Tel Communications, Inc.**

Donald C. Davis
Signature

Donald C. Davis
Name

Vice President, Strategy & Industry Policy
Title

11/21/00
Date

## Definitions

**Affiliate** is defined as a person that (directly or indirectly) owns or controls, is owned or controlled by, or is under common ownership or control with, another person. For purposes of this paragraph, the term "own" means to own an equity interest (or equivalent thereof) of more than 10 percent.

**Centralized Message Distribution System** is the Telcordia (formerly BellCore) administered national system, based in Kansas City, Missouri, used to exchange Exchange Message Interface (EMI) formatted data among host companies.

**Commission** is defined as the appropriate regulatory agency in each of BellSouth's nine state region, Alabama, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina, and Tennessee.

**Daily Usage File** is the compilation of messages or copies of messages in standard Exchange Message Interface (EMI) format exchanged from BellSouth to a CLEC.

**Exchange Message Interface** is the nationally administered standard format for the exchange of data among the Exchange Carriers within the telecommunications industry.

**Information Service** means the offering of a capability for generating, acquiring, storing, transforming, processing, retrieving, utilizing, or making available information via telecommunications, and includes electronic publishing, but does not include any use of any such capability for the management, control, or operation of a telecommunications system or the management of a telecommunications service.

**Intercompany Settlements (ICS)** is the revenue associated with charges billed by a company other than the company in whose service area such charges were incurred. ICS on a national level includes third number and credit card calls and is administered by Telcordia (formerly BellCore)'s Calling Card and Third Number Settlement System (CATS). Included is traffic that originates in one Regional Bell Operating Company's (RBOC) territory and bills in another RBOC's territory.

**Intermediary function** is defined as the delivery of traffic from Z-Tel; a CLEC other than Z-Tel or another telecommunications carrier through the network of BellSouth or Z-Tel to an end user of Z-Tel; a CLEC other than Z-Tel or another telecommunications carrier.

**Local Interconnection** is defined as 1) the delivery of local traffic to be terminated on each Party's local network so that end users of either Party have the ability to reach end users of the other Party without the use of any access code or substantial delay in the processing of the call; 2) the LEC network features, functions, and capabilities set forth in this Agreement; and 3) Service Provider Number Portability sometimes referred to as temporary telephone number portability to be implemented pursuant to the terms of this Agreement.

**Local Traffic** is defined as in Attachment 3.

**Message Distribution** is routing determination and subsequent delivery of message data from one company to another. Also included is the interface function with CMDS, where appropriate.

**Multiple Exchange Carrier Access Billing ("MECAB")** means the document prepared by the Billing Committee of the Ordering and Billing Forum ("OBF:), which functions under the auspices of the Carrier Liaison Committee of the Alliance for Telecommunications Industry Solutions ("ATIS") and by Telcordia (formerly BellCore) as Special Report SR-BDS-000983, Containing the recommended guidelines for the billing of Exchange Service access provided by two or more LECs and/or CLECs or by one LEC in two or more states within a single LATA.

**Network Element** is defined to mean a facility or equipment used in the provision of a telecommunications service. Such term may include, but is not limited to, features, functions, and capabilities that are provided by means of such facility or equipment, including but not limited to, subscriber numbers, databases, signaling systems, and information sufficient for billing and collection or used in the transmission, routing, or other provision of a telecommunications service. BellSouth offers access to the Network Elements, unbundled loops; network interface device; sub-loop elements; local switching; transport; tandem switching; operator systems; signaling; access to call-related databases; dark fiber as set forth in Attachment 2 of this Agreement.

**Non-Intercompany Settlement System (NICS)** is the Telcordia (formerly BellCore) system that calculates non-intercompany settlements amounts due from one company to another within the same RBOC region. It includes credit card, third number and collect messages.

**Percent of Interstate Usage (PIU)** is defined as a factor to be applied to terminating access services minutes of use to obtain those minutes that should be rated as interstate access services minutes of use. The numerator includes all interstate "non-intermediary" minutes of use, including interstate minutes of use that are forwarded due to service provider number portability less any interstate minutes of use for Terminating Party Pays services, such as 800 Services. The denominator includes all "non-intermediary", local, interstate, intrastate, toll and access minutes of use adjusted for service provider number portability less all minutes attributable to terminating Party pays services.

**Percent Local Usage (PLU)** is defined as a factor to be applied to intrastate terminating minutes of use. The numerator shall include all "non-intermediary" local minutes of use adjusted for those minutes of use that only apply local due to Service Provider Number Portability. The denominator is the total intrastate minutes of use including local, intrastate toll, and access, adjusted for Service Provider Number Portability less intrastate terminating Party pays minutes of use.

**Revenue Accounting Office (RAO) Status Company** is a local exchange company/alternate local exchange company that has been assigned a unique RAO code. Message data exchanged among RAO status companies is grouped (i.e. packed) according to From/To/Bill RAO combinations.

**Service Control Points** ("SCPs") are defined as databases that store information and have the ability to manipulate data required to offer particular services.

**Signal Transfer Points** ("STPs") are signaling message switches that interconnect Signaling Links to route signaling messages between switches and databases. STPs enable the exchange of Signaling System 7 ("SS7") messages between switching elements, database elements and STPs. STPs provide access to various BellSouth and third party network elements such as local switching and databases.

**Signaling links** are dedicated transmission paths carrying signaling messages between carrier switches and signaling networks. Signal Link Transport is a set of two or four dedicated 56 kbps transmission paths between Z-Tel designated Signaling Points of Interconnection that provide a diverse transmission path and cross connect to a BellSouth Signal Transfer Point.

**Telecommunications** means the transmission, between or among points specified by the user, of information of the user's choosing, without change in the form or content of the information as sent and received.

**Telecommunications Service** means the offering of telecommunications for a fee directly to the public, or to such classes of users as to be effectively available directly to the public, regardless of the facilities used.

**Telecommunications Act of 1996 ("Act")** means Public Law 104-104 of the United States Congress effective February 8, 1996. The Act amended the Communications Act of 1934 (47, U.S.C. Section 1 et. seq.).

**Wire Center** denotes a building or space within a building a building which serves as an aggregation point on a given carrier's network, where transmission facilities and circuits are connected or switched. Wire Center can also denote a building in which one or more Central Offices, used for the provision of basic exchange services and Switched access service, are located.

# Attachment 1

# Resale

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# RESALE

## 1. Discount Rates

The discount rates applied to Z-Tel purchases of BellSouth Telecommunications Services for the purpose of resale shall be as set forth in Exhibit A. Such discount shall reflect the costs avoided by BellSouth when selling a service for wholesale purposes.

## 2. Definition of Terms

2.1 COMPETITIVE LOCAL EXCHANGE COMPANY (CLEC) means a telephone company certificated by the public service commissions of BellSouth's franchised area to provide local exchange service within BellSouth's franchised area.

2.2 CUSTOMER OF RECORD means the entity responsible for placing application for service; requesting additions, rearrangements, maintenance or discontinuance of service; payment in full of charges incurred such as non-recurring, monthly recurring, toll, directory assistance, etc.

2.3 DEPOSIT means assurance provided by a customer in the form of cash, surety bond or bank letter of credit to be held by BellSouth.

2.4 END USER means the ultimate user of the telecommunications services.

2.5 END USER CUSTOMER LOCATION means the physical location of the premises where an end user makes use of the telecommunications services.

2.6 NEW SERVICES means functions, features or capabilities that are not currently offered by BellSouth. This includes packaging of existing services or combining a new function, feature or capability with an existing service.

2.7 RESALE means an activity wherein a certificated CLEC, such as Z-Tel subscribes to the telecommunications services of BellSouth and then offers those telecommunications services to the public

2.8 RESALE SERVICE AREA means the area, as defined in a public service commission approved certificate of operation, within which a CLEC, such as Z-Tel, may offer resold local exchange telecommunications service.

## 3. General Provisions

3.1 Z-Tel may resell the tariffed local exchange and toll telecommunications services of BellSouth contained in the General Subscriber Service Tariff and Private Line Service Tariff subject to the terms, and conditions specifically set forth herein. Notwithstanding the foregoing, the exclusions and limitations on services available for resale will be as set forth in Exhibit B, attached hereto and incorporated herein by this reference.

3.2 All of the negotiated rates, terms and conditions set forth in this Attachment pertain to the resale of BellSouth's retail telecommunications services and other services specified in this Attachment. BellSouth shall make available telecommunications services for resale at the discount rates set forth in Exhibit A to this Agreement and subject to the exclusions and limitations set forth in Exhibit B to this Agreement. BellSouth does not however waive its rights to appeal or otherwise challenge any decision regarding resale that resulted in the discount rates contained in Exhibit A or the exclusions and limitations contained in Exhibit B. BellSouth reserves the right to pursue any and all legal and/or equitable remedies, including appeals of any decisions. If such appeals or challenges result in changes in the discount rates or exclusions and limitations, the parties agree that appropriate modifications to this Agreement will be made promptly to make its terms consistent with the outcome of the appeal.

3.3 Z-Tel may purchase resale services from BellSouth for their own use in operating their business. The resale discount will apply to those services under the following conditions:

3.3.1 Z-Tel must resell services to other end users.

3.3.2 Z-Tel must order services through resale interfaces, i.e., the Local Carrier Service Center (LCSC) and/or appropriate Resale Account Teams pursuant to Section 3 of the General Terms and Conditions.

3.3.3 Z-Tel cannot be a competitive local exchange telecommunications company for the single purpose of selling to themselves.

3.4 The provision of services by BellSouth to Z-Tel does not constitute a joint undertaking for the furnishing of any service.

3.5 Z-Tel will be the customer of record for all services purchased from BellSouth. Except as specified herein, BellSouth will take orders from, bill and expect payment from Z-Tel for said services.

3.6 Z-Tel will be BellSouth's single point of contact for all services purchased pursuant to this Agreement. BellSouth shall have no contact with the end user except to the extent provided for herein.

3.7 BellSouth will continue to bill the end user for any services that the end user specifies it wishes to receive directly from BellSouth.

3.8 BellSouth maintains the right to serve directly any end user within the service area of Z-Tel. BellSouth will continue to directly market its own telecommunications products and services and in doing so may establish independent relationships with end users of Z-Tel.

3.9 Neither Party shall interfere with the right of any person or entity to obtain service directly from the other Party.

3.10 Current telephone numbers may normally be retained by the end user and are assigned to the service furnished. However, neither Party nor the end user has a property right to the telephone number or any other call number designation associated with services furnished by BellSouth, and no right to the continuance of service through any particular central office. BellSouth reserves the right to change such numbers, or the central office designation associated with such numbers, or both, whenever BellSouth deems it necessary to do so in the conduct of its business and in accordance with BellSouth practices and procedures on a nondiscriminatory basis.

3.11 For the purpose of the resale of BellSouth's telecommunications services by Z-Tel, BellSouth will provide Z-Tel with an on line access to telephone numbers for reservation on a first come first serve basis. Such reservations of telephone numbers, on a pre-ordering basis shall be for a period of nine (9) days. Z-Tel acknowledges that there may be instances where there is a shortage of telephone numbers in a particular Common Language Location Identifier Code (CLLIC) and in such instances BellSouth may request that Z-Tel cancel its reservations of numbers. Z-Tel shall comply with such request.

3.12 Further, upon Z-Tel's request, and for the purpose of the resale of BellSouth's telecommunications services by Z-Tel, BellSouth will reserve up to 100 telephone numbers per CLLIC, for Z-Tel's sole use. Such telephone number reservations shall be valid for ninety (90) days from the reservation date. Z-Tel acknowledges that there may be instances where there is a shortage of telephone numbers in a particular CLLIC and in such instances BellSouth shall use its best efforts to reserve for a ninety (90) day period a sufficient quantity of Z-Tel's reasonable need in that particular CLLIC.

3.13 Service is furnished subject to the condition that it will not be used for any unlawful purpose.

3.14 Service will be discontinued if any law enforcement agency advises that the service being used is in violation of the law.

3.15 BellSouth can refuse seryice when it has grounds to believe that service will be used in violation of the law.

3.16 BellSouth accepts no responsibility to any person for any unlawful act committed by Z-Tel or its end users as part of providing service to Z-Tel for purposes of resale or otherwise.

3.17 BellSouth will cooperate fully with law enforcement agencies with subpoenas and court orders for assistance with BellSouth's end users, pursuant to Section 7 of the General Terms and Conditions

3.18 The characteristics and methods of operation of any circuits, facilities or equipment provided by any person or entity other than BellSouth shall not:

3.18.1 Interfere with or impair service over any facilities of BellSouth, its affiliates, or its connecting and concurring carriers involved in its service; or

3.18.2 Cause damage to BellSouth's plant;

3.18.3 Impair the privacy of any communications; or

3.18.4 Create hazards to any BellSouth employees or the public.

3.19 If Z-Tel utilizes a BellSouth resold telecommunications service in a manner other than which the service was originally intended as described in BellSouth's retail tariffs, Z-Tel has the responsibility to notify BellSouth. BellSouth will only provision and maintain said service consistent with the terms and conditions of the tariff describing said service.

3.20 Facilities and/or equipment utilized by BellSouth to provide service to Z-Tel remain the property of BellSouth.

3.21 White page directory listings will be provided in accordance with Section 5 of the General Terms and Conditions.

3.22 BellSouth provides electronic access to customer record information. Access is provided through the Local Exchange Navigation System (LENS) and the Telecommunications Access Gateway (TAG). Customer Record Information includes but is not limited to, customer specific information in CRIS and RSAG. In addition, Z-Tel shall provide to BellSouth access to customer record information including electronic access where available. Otherwise, upon request by BellSouth Z-Tel shall provide paper copies of customer record information within a reasonable period of time by BellSouth. Customer Record Information is equivalent to but not limited to the type of customer specific information contained in CRIS and RSAG. The Parties agree not to view, copy, or otherwise obtain access to the customer record information of any customer without that customer's permission, and further agrees that Z-Tel and BellSouth will obtain access to customer record information only in strict compliance with applicable laws, rules, or regulations of the State in which the service is provided.

3.23 All costs incurred by BellSouth to develop and implement operational interfaces shall be recovered from Resellers who utilize the services. Charges for use of Operational Support Systems (OSS) shall be as set forth in Exhibit A of this Attachment.

3.24 Where available to BellSouth's end users, BellSouth shall provide the following telecommunications services at a discount to allow for voice mail services:

- Simplified Message Desk Interface - Enhanced ("SMDI-E")
- Simplified Message Desk Interface ("SMDI")
- Message Waiting Indicator ("MWI") stutter dialtone and message waiting light feature capabilities
- Call Forward on Busy ("CF/B")
- Call Forward Don't Answer ("CF/DA")

Further, BellSouth messaging services set forth in BellSouth's Messaging Service Information Package shall be made available for resale without the wholesale discount.

3.24.1 BellSouth shall provide branding for, or shall unbrand, voice mail services to Z-Tel per the Bona Fide Request/New Business Request process as set forth in Section 6 of the General Terms and Conditions.

3.25 BellSouth's Inside Wire Maintenance Service Plans may be made available for resale at rates, terms and conditions as set forth by BellSouth and without the wholesale discount.

3.26 If Z-Tel requires a special assembly Z-Tel agrees to pay the costs incurred by BellSouth for providing the requested special assembly. The costs will be provided to Z-Tel prior to providing the service. Such costs could include both recurring and non-recurring charges and shall exclude any cost attributable to any marketing ,billing collection or other costs that will be avoided by BellSouth in providing service to Z-Tel .

3.27 Recovery of charges associated with implementing Number Portability through monthly charges assessed to end users has been authorized by the FCC. This end user line charge will be billed to Resellers of BellSouth's telecommunications services and will be as filed in FCC No. 1. This charge is not discounted.

3.28 BellSouth shall provide 911/E911 for Z-Tel customers in the same manner that it is provided to BellSouth customers. BellSouth shall provide and validate Z-Tel customer information to the PSAP. BellSouth shall use its service order process to update and maintain, on the same schedule that it uses for its customers, the Z-Tel customer service information in the ALI/DMS (Automatic Location Identification/Location Information) databases used to support 911/E911 services.

3.29 Pursuant to 47 CFR Section 51.617, BellSouth will bill Z-Tel end users common line charges identical to the end user common line charges BellSouth bills its end users.

## 4. BellSouth's Provision of Services to Z-Tel

4.1 Z-Tel agrees that its resale of BellSouth services shall be as follows:

4.1.1 The resale of telecommunications services shall be limited to users and uses conforming to the class of service restrictions.

4.1.2 Hotel and Hospital PBX services are the only telecommunications services available for resale to Hotel/Motel and Hospital end users, respectively. Similarly, Access Line Service for Customer Provided Coin Telephones is the only local service available for resale to Independent Payphone Provider (IPP) customers. Shared Tenant Service customers can only be sold those local exchange access services available in BellSouth's A23 Shared Tenant Service Tariff in the states of Florida, Georgia, North Carolina and South Carolina, and in A27 in the states of Alabama, Kentucky, Louisiana, Mississippi and Tennessee.

4.1.3 BellSouth reserves the right to periodically audit services purchased by Z-Tel to establish authenticity of use. Such audit shall not occur more than once in a calendar year. Z-Tel shall make any and all records and data available to BellSouth or BellSouth's auditors on a reasonable basis. BellSouth shall bear the cost of said audit.

4.2 Resold services can only be used in the same manner as specified in BellSouth's Tariffs. Resold services are subject to the same terms and conditions as are specified for such services when furnished to an individual end user of BellSouth in the appropriate section of BellSouth's Tariffs. Specific tariff features (e.g. a usage allowance per month), shall not be aggregated across multiple resold services.

4.3 Z-Tel may resell services only within the specific resale service area as defined in its certificate.

4.4 Telephone numbers transmitted via any resold service feature are intended solely for the use of the end user of the feature. Resale of this information is prohibited.

## 5. Maintenance of Services

5.1 Z-Tel will adopt and adhere to the standards contained in the applicable CLEC Work Center Operational Understanding Agreement regarding maintenance and installation of service.

5.2 Services resold pursuant to this Attachment and BellSouth's General Subscriber Service Tariff and Private Line Service Tariff and facilities and equipment provided by BellSouth shall be maintained by BellSouth.

5.3 Z-Tel or its end users may not rearrange, move, disconnect, remove or attempt to repair any facilities owned by BellSouth, other than by connection or disconnection to any interface means used, except with the written consent of BellSouth.

5.4 Z-Tel accepts responsibility to notify BellSouth of situations that arise that may result in a service problem.

5.5 Z-Tel will be BellSouth's single point of contact for all repair calls on behalf of Z-Tel's end users. The parties agree to provide one another with toll-free contact numbers for such purposes.

5.6 Z-Tel will contact the appropriate repair centers in accordance with procedures established by BellSouth.

5.7 For all repair requests, Z-Tel accepts responsibility for adhering to BellSouth's prescreening guidelines prior to referring the trouble to BellSouth.

5.8 BellSouth will bill Z-Tel for handling troubles that are found not to be in BellSouth's network pursuant to its standard time and material charges. The standard time and material charges will be no more than what BellSouth charges to its retail customers for the same services.

5.9 BellSouth reserves the right to contact Z-Tel's end users, if deemed necessary, for maintenance purposes.

**6. Establishment of Service**

6.1 After receiving certification as a local exchange company from the appropriate regulatory agency, Z-Tel will provide the appropriate BellSouth service center the necessary documentation to enable BellSouth to establish a master account for Z-Tel's resold services. Such documentation shall include the Application for Master Account, proof of authority to provide telecommunications services, an Operating Company Number ("OCN") assigned by the National Exchange Carriers Association ("NECA") and a tax exemption certificate, if applicable. When necessary deposit requirements are met, BellSouth will begin taking orders for the resale of service.

6.2 Service orders will be in a standard format designated by BellSouth.

6.3 When notification is received from Z-Tel that a current end user of BellSouth will subscribe to Z-Tel's service, standard service order intervals for the appropriate class of service will apply.

6.4 BellSouth will not require end user confirmation prior to establishing service for Z-Tel's end user customer. Z-Tel must, however, be able to demonstrate end user authorization upon request.

6.5 Z-Tel will be the single point of contact with BellSouth for all subsequent ordering activity resulting in additions or changes to resold services except that BellSouth will accept a request directly from the end user for conversion of the end user's service from Z-Tel to BellSouth or will accept a request from another CLEC for conversion of the end user's service from Z-Tel to the other LEC. BellSouth will notify Z-Tel that such a request has been processed.

6.6 If BellSouth determines that an unauthorized change in local service to Z-Tel has occurred, BellSouth will reestablish service with the appropriate local service provider and will assess Z-Tel as the CLEC initiating the unauthorized change, the unauthorized change charge described in F.C.C. Tariff No. 1, Section 13 or applicable state tariff. Appropriate nonrecurring charges, as set forth in Section A4 of the General Subscriber Service Tariff, will also be assessed to Z-Tel. These charges can be adjusted if Z-Tel provides satisfactory proof of authorization.

6.7 In order to safeguard its interest, BellSouth reserves the right to secure the account with a suitable form of security deposit, unless satisfactory credit has already been established.

6.7.1 Such security deposit shall take the form of an irrevocable Letter of Credit or other forms of security acceptable to BellSouth. Any such security deposit may be held during the continuance of the service as security for the payment of any and all amounts accruing for the service.

6.7.2 If a security deposit is required, such security deposit shall be made prior to the inauguration of service.

6.7.3 Such security deposit may not exceed two months' estimated billing.

6.7.4 The fact that a security deposit has been made in no way relieves Z-Tel from complying with BellSouth's regulations as to advance payments and the prompt payment of bills on presentation nor does it constitute a waiver or modification of the regular practices of BellSouth providing for the discontinuance of service for non-payment of any sums due BellSouth.

6.7.5 BellSouth reserves the right to increase the security deposit requirements when, in its sole judgment, circumstances so warrant and/or gross monthly billing has increased beyond the level initially used to determine the security deposit.

6.7.6 In the event that Z-Tel defaults on its account, service to Z-Tel will be terminated and any security deposits held will be applied to its account.

6.7.7 Interest on a security deposit shall accrue and be paid in accordance with the terms in the appropriate BellSouth tariff.

## 7. Payment And Billing Arrangements

7.1 Prior to submitting orders to BellSouth for local service, a master account must be established for Z-Tel. Z-Tel is required to provide the following before a master account is established: proof of PSC/PUC certification, the Application for Master Account, an Operating Company Number ("OCN") assigned by the National Exchange Carriers Association ("NECA") and a tax exemption certificate, if applicable.

7.2 BellSouth shall bill Z-Tel on a current basis all applicable charges and credits.

7.3 Payment of all charges will be the responsibility of Z-Tel. Z-Tel shall make payment to BellSouth for all services billed. BellSouth is not responsible for payments not received by Z-Tel from Z-Tel's end user. BellSouth will not become involved in billing disputes that may arise between Z-Tel and its end user. Payments made to BellSouth as payment on account will be credited to an accounts receivable master account and not to an end user's account.

7.4 BellSouth will render bills each month on established bill days for each of Z-Tel's accounts.

7.5 BellSouth will bill Z-Tel in advance charges for all services to be provided during the ensuing billing period except charges associated with service usage, which will be billed in arrears. Charges will be calculated on an individual end user account level, including, if applicable, any charge for usage or usage allowances. BellSouth will also bill Z-Tel, and Z-Tel will be responsible for and remit to BellSouth, all charges applicable to resold services including but not limited to 911 and E911 charges, telecommunications relay charges (TRS), and franchise fees.

7.6 The payment will be due by the next bill date (i.e., same date in the following month as the bill date) and is payable in immediately available funds. Payment is considered to have been made when received by BellSouth.

7.6.1 If the payment due date falls on a Sunday or on a Holiday which is observed on a Monday, the payment due date shall be the first non-Holiday day following such Sunday or Holiday. If the payment due date falls on a Saturday or on a Holiday which is observed on Tuesday, Wednesday, Thursday, or Friday, the payment due date shall be the last non-Holiday day preceding such Saturday or Holiday. If payment is not received by the payment due date, a late payment penalty, as set forth in section 7.8 following, shall apply.

7.6.2 If Z-Tel requests multiple billing media or additional copies of bills, BellSouth will provide these at an appropriate charge to Z-Tel.

7.6.3 Billing Disputes

7.6.3.1 Each Party agrees to notify the other Party upon the discovery of a billing dispute. In the event of a billing dispute, the Parties will endeavor to resolve the dispute within sixty (60) calendar days of the Bill Date on which such disputed charges appear. Resolution of the dispute is expected to occur at the first level of management resulting in a recommendation for settlement of the dispute and closure of a specific billing period. If the issues are not resolved within the allotted time frame, the following resolution procedure will begin:

7.6.3.2 If the dispute is not resolved within sixty (60) days of the Bill Date, the dispute will be escalated to the second level of management for each of the respective Parties for resolution. If the dispute is not resolved within ninety (90) days of the Bill Date, the dispute will be escalated to the third level of management for each of the respective Parties for resolution

7.6.3.3 If the dispute is not resolved within one hundred and twenty (120) days of the Bill Date, the dispute will be escalated to the fourth level of management for each of the respective Parties for resolution.

7.6.3.4 If a Party disputes a charge and does not pay such charge by the payment due date, such charges shall be subject to late payment charges as set forth in the Late Payment Charges provision of this Attachment. If a Party disputes charges and the dispute is resolved in favor of such Party, the other Party shall credit the bill of the disputing Party for the amount of the disputed charges along with any late payment charges assessed no later than the second Bill Date after the resolution of the dispute. Accordingly, if a Party disputes charges and the dispute is resolved in favor of the other Party, the disputing Party shall pay the other Party the amount of the disputed charges and any associated late payment charges assessed no later than the second bill payment due date after the resolution of the dispute. BellSouth shall only assess interest on previously assessed late payment charges in a state where it has authority pursuant to its tariffs.

7.7 Upon proof of tax exempt certification from Z-Tel, the total amount billed to Z-Tel will not include any taxes due from the end user to reflect the tax exempt certification and local tax laws. Z-Tel will be solely responsible for the computation, tracking, reporting, and payment of taxes applicable to Z-Tel's end user.

7.8 If any portion of the payment is received by BellSouth after the payment due date as set forth preceding, or if any portion of the payment is received by BellSouth in funds that are not immediately available to BellSouth, then a late payment penalty shall be due to BellSouth. The late payment penalty shall be the portion of the payment not received by the payment due date times a late factor and will be applied on a per bill basis. The late factor shall be as set forth in Section A2 of the General Subscriber Services Tariff and Section B2 of the Private Line Service Tariff. Z-Tel will be charged a fee for all returned checks as set forth in Section to A2 of the General Subscriber Services Tariff or in applicable state law.

7.9 Any switched access charges associated with interexchange carrier access to the resold local exchange lines will be billed by, and due to, BellSouth. No additional charges are to be assessed to Z-Tel

7.10 BellSouth will not perform billing and collection services for Z-Tel as a result of the execution of this Agreement. All requests for billing services should be referred to the appropriate entity or operational group within BellSouth.

7.11 In general, BellSouth will not become involved in disputes between Z-Tel and Z-Tel's end user customers over resold services. If a dispute does arise that cannot be settled without the involvement of BellSouth, Z-Tel shall contact the designated Service Center for resolution. BellSouth will make every effort to assist in the resolution of the dispute and will work with Z-Tel to resolve the matter in as timely a manner as possible. Z-Tel may be required to submit documentation to substantiate the claim.

**8. Discontinuance of Service**

8.1 The procedures for discontinuing service to an end user are as follows:

8.1.1 Where possible, BellSouth will deny service to Z-Tel's end user on behalf of, and at the request of, Z-Tel. Upon restoration of the end user's service, restoral charges will apply and will be the responsibility of Z-Tel.

8.1.2 At the request of Z-Tel, BellSouth will disconnect a Z-Tel end user customer.

8.1.3 All requests by Z-Tel for denial or disconnection of an end user for nonpayment must be in writing.

8.1.4 Z-Tel will be made solely responsible for notifying the end user of the proposed disconnection of the service.

8.1.5 BellSouth will continue to process calls made to the Annoyance Call Center and will advise Z-Tel when it is determined that annoyance calls are originated from one of their end user's locations. BellSouth shall be indemnified, defended and held harmless by Z-Tel and/or the end user against any claim, loss or damage arising from providing this information to Z-Tel. It is the responsibility of Z-Tel to take the corrective action necessary with its end users who make annoying calls. Failure to do so will result in BellSouth's disconnecting the end user's service.

8.1.6 BellSouth may disconnect and reuse facilities when the facility is in a denied state and BellSouth has received an order to establish new service or transfer of service from an end user or an end user's CLEC at the same address served by the denied facility.

8.2 The procedures for discontinuing service to Z-Tel are as follows

8.2.1 BellSouth reserves the right to suspend or terminate service for nonpayment or in the event of prohibited, unlawful or improper use of the facilities or service, abuse of the

facilities, or any other violation or noncompliance by Z-Tel of the rules and regulations of BellSouth's Tariffs.

8.2.2 If payment of account is not received by the bill day in the month after the original bill day, BellSouth may provide written notice to Z-Tel, that additional applications for service will be refused and that any pending orders for service will not be completed if payment is not received by the fifteenth day following the date of the notice. In addition BellSouth may, at the same time, give thirty days notice to the person designated by Z-Tel to receive notices of noncompliance, and discontinue the provision of existing services to Z-Tel at any time thereafter.

8.2.3 In the case of such discontinuance, all billed charges, as well as applicable termination charges, shall become due.

8.2.4 If BellSouth does not discontinue the provision of the services involved on the date specified in the thirty days notice and Z-Tel's noncompliance continues, nothing contained herein shall preclude BellSouth's right to discontinue the provision of the services to Z-Tel without further notice.

8.2.5 If payment is not received or arrangements made for payment by the date given in the written notification, Z-Tel's services will be discontinued. Upon discontinuance of service on a Z-Tel's account, service to Z-Tel's end users will be denied. BellSouth will also reestablish service at the request of the end user or Z-Tel upon payment of the appropriate connection fee and subject to BellSouth's normal application procedures. Z-Tel is solely responsible for notifying the end user of the proposed disconnection of the service.

8.2.6 If within fifteen days after an end user's service has been denied no contact has been made in reference to restoring service, the end user's service will be disconnected.

## 9. Line Information Database (LIDB)

9.1 BellSouth will store in its Line Information Database (LIDB) records relating to service only in the BellSouth region. The LIDB Storage Agreement is included in this Attachment as Exhibit C.

9.2 BellSouth will provide LIDB Storage upon written request to Z-Tel Account Manager stating requested activation date.

## 10. RAO Hosting

10.1 The RAO Hosting Agreement is included in this Attachment as Exhibit D. Rates for BellSouth's Centralized Message Distribution System (CMDS) are as set forth in Exhibit H of this Attachment.

10.2 BellSouth will provide RAO Hosting upon written request to its Account Manager stating requested activation date.

## 11. Optional Daily Usage File (ODUF)

11.1 The Optional Daily Usage File (ODUF) Agreement with terms and conditions is included in this Attachment as Exhibit E. Rates for ODUF are as set forth in Exhibit H of this Attachment.

11.2 BellSouth will provide Optional Daily Usage File (ODUF) service upon written request to its Account Manager stating requested activation date.

## 12. Enhanced Optional Daily Usage File (EODUF)

12.1 The Enhanced Optional Daily Usage File (EODUF) service Agreement with terms and conditions is included in this Attachment as Exhibit F. Rates for EODUF are as set forth in Exhibit H of this Attachment.

12.2 BellSouth will provide Enhanced Optional Daily Usage File (EODUF) service upon written request to its Account Manager stating requested activation date.

EXHIBIT A

## APPLICABLE DISCOUNTS

The telecommunications services available for purchase by Z-Tel for the purposes of resale to Z-Tel end users shall be available at the following discount off of the retail rate. If Z-Tel cancels an order for telecommunications services for the purpose of resale, any costs incurred by BellSouth in conjunction with the provisioning of that order will be recovered in accordance with the applicable sections of the GSST and the PLST.

| | DISCOUNT* | | |
|---|---|---|---|
| STATE | RESIDENCE | BUSINESS | CSAs*** |
| ALABAMA | 16.3% | 16.3% | |
| FLORIDA | 21.83% | 16.81% | |
| GEORGIA | 20.3% | 17.3% | |
| KENTUCKY | 16.79% | 15.54% | |
| LOUISIANA | 20.72% | 20.72% | 9.05% |
| MISSISSIPPI | 15.75% | 15.75% | |
| NORTH CAROLINA | 21.5% | 17.6% | |
| SOUTH CAROLINA | 14.8% | 14.8% | 8.98% |
| TENNESSEE** | 16% | 16% | |

* When a CLEC provides Resale service in a cross boundary area (areas that are part of the local serving area of another state's exchange) the rates, regulations and discounts for the tariffing state will apply. Billing will be from the serving state.

** In Tennessee, if a CLEC provides its own operator services and directory services, the discount shall be 21.56%. CLEC must provide written notification to BellSouth within 30 days prior to providing its own operator services and directory services to qualify for the higher discount rate of 21.56%.

*** Unless noted in this column, the discount for Business will be the applicable discount rate for CSAs.

EXHIBIT A

## OPERATIONAL SUPPORT SYSTEMS (OSS) RATES

BellSouth has developed and made available the following mechanized systems by which Z-Tel may submit LSRs electronically.

| | |
|---|---|
| LENS | Local Exchange Navigation System |
| EDI | Electronic Data Interchange |
| TAG | Telecommunications Access Gateway |

LSRs submitted by means of one of these interactive interfaces will incur an OSS electronic ordering charge as specified in the Table below An individual LSR will be identified for billing purposes by its Purchase Order Number (PON). LSRs submitted by means other than one of these interactive interfaces (mail, fax, courier, etc.) will incur a manual order charge as specified in the table below:

| **OPERATIONAL SUPPORT SYSTEMS (OSS) RATES** | **Electronic**<br>**Per LSR received from the CLEC by one of the OSS interactive interfaces** | **Manual**<br>**Per LSR received from the CLEC by means other than one of the OSS interactive interfaces** |
|---|---|---|
| **OSS LSR Charge** | **$3.50** | **$19.99** |
| **USOC** | **SOMEC** | **SOMAN** |

Note: In addition to the OSS charges, applicable discounted service order and related discounted charges apply per the tariff.

Denial/Restoral OSS Charge

In the event Z-Tel provides a list of customers to be denied and restored, rather than an LSR, each location on the list will require a separate PON and, therefore will be billed as one LSR per location.

Cancellation OSS Charge

Z-Tel will incur an OSS charge for an accepted LSR that is later canceled by Z-Tel.

Note: Supplements or clarifications to a previously billed LSR will not incur another OSS charge.

Threshold Billing Plan

The Parties agree that Z-Tel will incur the mechanized rate for all LSRs, both mechanized and manual, if the percentage of mechanized LSRs to total LSRs meets or exceeds the threshold percentages shown below:

| Year | Ratio: Mechanized/Total LSRs |
|---|---|
| 2000 | 80% |
| 2001 | 90% |

The threshold plan will be discontinued in 2002.

BellSouth will track the total LSR volume for each CLEC for each quarter. At the end of that time period, a Percent Electronic LSR calculation will be made for that quarter based on the LSR data tracked in the LCSC. If this percentage exceeds the threshold volume, all of that CLECs' future manual LSRs will be billed at the mechanized LSR rate. To allow time for obtaining and analyzing the data and updating the billing system, this billing change will take place on the first day of the second month following the end of the quarter (e.g. May 1 for 1Q, Aug 1 for 2Q, etc.). There will be no adjustments to the amount billed for previously billed LSRs.

# Exclusions and Limitations
# On Services Available for Resale

| | Type of Service | AL | | FL | | GA | | KY | | LA | | MS | | NC | | SC | | TN | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Resale | Discount | Resale | Discount | Resale | Discount | Resale | Discount | Resale | Discount | Resale | Discount | Resale | Discount | Resale | Discount | Resale | Discount |
| 1 | Grandfathered Services (Note 1) | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| 2 | Contract Service Arrangements | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| 3 | Promotions - > 90 Days(Note 2) | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Note 3 |
| 4 | Promotions - < 90 Days (Note 2) | Yes | No | Yes | No | Yes | No | Yes | No | Yes | No | Yes | No | Yes | No | Yes | No | Yes | No |
| 5 | Lifeline/Link Up Services | Yes | Yes | Yes | Yes | Yes | Yes | Note 4 | Note 4 | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| 6 | 911/E911 Services | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| 7 | N11 Services | Yes | Yes | Yes | Yes | Yes | Yes | No | No | No | No | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| 8 | AdWatch[SM] Svc (See Note 6) | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| 9 | MemoryCall® Service | Yes | No | Yes | No | Yes | No | Yes | No | Yes | No | Yes | No | Yes | No | Yes | No | Yes | No |
| 10 | Mobile Services | Yes | No | Yes | No | Yes | No | Yes | No | Yes | No | Yes | No | Yes | No | Yes | No | Yes | No |
| 11 | Federal Subscriber Line Charges | Yes | No | Yes | No | Yes | No | Yes | No | Yes | No | Yes | No | Yes | No | Yes | No | Yes | No |
| 12 | Non-Recurring Charges | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No |
| 13 | End User Line Charge - Number Portability | Yes | No | Yes | No | Yes | No | Yes | No | Yes | No | Yes | No | Yes | No | Yes | No | Yes | No |
| 14 | Public Telephone Access Service (PTAS) | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes |

# Exclusions and Limitations
# On Services Available for Resale

**Applicable Notes:**

1. **Grandfathered services** can be resold only to existing subscribers of the grandfathered service.
2. Where available for resale, **promotions** will be made available only to end users who would have qualified for the promotion had it been provided by BellSouth directly.
3. In Tennessee, long-term **promotions** (offered for more than ninety (90) days) may be obtained at one of the following rates:
   (a) the stated tariff rate, less the wholesale discount;
   (b) the promotional rate (the promotional rate offered by BellSouth will not be discounted further by the wholesale discount rate)
4. **Lifeline/Link Up** services may be offered only to those subscribers who meet the criteria that BellSouth currently applies to subscribers of these services as set forth in Sections A3 and A4 of the BellSouth General Subscriber Services Tariff.
5. Some of BellSouth's local exchange and toll telecommunications services are not available in certain central offices and areas.
6. AdWatch℠ Service is tariffed as BellSouth® AIN Virtual Number Call Detail Service.

# LINE INFORMATION DATA BASE (LIDB) STORAGE AGREEMENT

## I. SCOPE

A. This Agreement sets forth the terms and conditions pursuant to which BellSouth agrees to store in its LIDB certain information at the request of Z-Tel and pursuant to which BellSouth, its LIDB customers and Z-Tel shall have access to such information. Z-Tel understands that BellSouth provides access to information in its LIDB to various telecommunications service providers pursuant to applicable tariffs and agrees that information stored at the request of Z-Tel, pursuant to this Agreement, shall be available to those telecommunications service providers. The terms and conditions contained in the attached Addendum(s) are hereby made a part of this Agreement as if fully incorporated herein.

B. LIDB is accessed for the following purposes:
1. Billed Number Screening
2. Calling Card Validation
3. Fraud Control

C. BellSouth will provide seven days per week, 24-hours per day, fraud monitoring on Calling Cards, bill-to-third and collect calls made to numbers in BellSouth's LIDB, provided that such information is included in the LIDB query. BellSouth will establish fraud alert thresholds and will notify Z-Tel of fraud alerts so that Z-Tel may take action it deems appropriate. Z-Tel understands and agrees BellSouth will administer all data stored in the LIDB, including the data provided by Z-Tel pursuant to this Agreement, in the same manner as BellSouth's data for BellSouth's end user customers. BellSouth shall not be responsible to Z-Tel for any lost revenue which may result from BellSouth's administration of the LIDB pursuant to its established practices and procedures as they exist and as they may be changed by BellSouth in its sole discretion from time to time.

Z-Tel understands that BellSouth currently has in effect numerous billing and collection agreements with various interexchange carriers and billing clearing houses. Z-Tel further understands that these billing and collection customers of BellSouth query BellSouth's LIDB to determine whether to accept various billing options from end users. Additionally, Z-Tel understands that presently BellSouth has no method to differentiate between BellSouth's own billing and line data in the LIDB and such data which it includes in the LIDB on Z-Tel's behalf pursuant to this Agreement. Therefore, until such time as BellSouth can and does implement in its LIDB and its supporting systems the means to differentiate Z-Tel's data from BellSouth's data and the Parties to this Agreement execute appropriate amendments hereto, the following terms and conditions shall apply:

(a) Z-Tel agrees that it will accept responsibility for telecommunications services billed by BellSouth for its billing and collection customers for Z-Tel's end user accounts which are resident in LIDB pursuant to this Agreement. Z-Tel authorizes BellSouth to place such charges on Z-Tel's bill from BellSouth and agrees that it shall pay all such charges. Charges for which Z-Tel hereby takes responsibility include, but are not limited to, collect and third number calls.

(b) Charges for such services shall appear on a separate BellSouth bill page identified with the name of the entity for which BellSouth is billing the charge.

(c) Z-Tel shall have the responsibility to render a billing statement to its end users for these charges, but Z-Tel's obligation to pay BellSouth for the charges billed shall be independent of whether Z-Tel is able or not to collect from Z-Tel's end users.

(d) BellSouth shall not become involved in any disputes between Z-Tel and the entities for which BellSouth performs billing and collection. BellSouth will not issue adjustments for charges billed on behalf of an entity to Z-Tel. It shall be the responsibility of Z-Tel and the other entity to negotiate and arrange for any appropriate adjustments.

## II. TERM

This Agreement will be effective as of _____, and will continue in effect for one year, and thereafter may be continued until terminated by either Party upon thirty (30) days written notice to the other Party.

## III. FEES FOR SERVICE AND TAXES

A. Z-Tel will not be charged a fee for storage services provided by BellSouth to Z-Tel, as described in Section I of this Agreement.

B. Sales, use and all other taxes (excluding taxes on BellSouth's income) determined by BellSouth or any taxing authority to be due to any federal, state or local taxing jurisdiction with respect to the provision of the service set forth herein will be paid by Z-Tel. Z-Tel shall have the right to have BellSouth contest with the imposing jurisdiction, at Z-Tel's expense, any such taxes that Z-Tel deems are improperly levied.

## IV. INDEMNIFICATION

To the extent not prohibjted by law, each Party will indemnify the other and hold the other harmless against any loss, cost, claim, injury, or liability relating to or arising out of negligence or willful misconduct by the indemnifying Party or its agents or contractors in connection with the indemnifying Party's provision of services, provided, however, that any indemnity for any loss, cost, claim, injury or liability arising out of or relating to errors or omissions in the provision of services under this

Agreement shall be limited as otherwise specified in this Agreement. The indemnifying Party under this Section agrees to defend any suit brought against the other Party for any such loss, cost, claim, injury or liability. The indemnified Party agrees to notify the other Party promptly, in writing, of any written claims, lawsuits, or demands for which the other Party is responsible under this Section and to cooperate in every reasonable way to facilitate defense or settlement of claims. The indemnifying Party shall not be liable under this Section for settlement by the indemnified Party of any claim, lawsuit, or demand unless the defense of the claim, lawsuit, or demand has been tendered to it in writing and the indemnifying Party has unreasonably failed to assume such defense.

## V. LIMITATION OF LIABILITY

Neither Party shall be liable to the other Party for any lost profits or revenues or for any indirect, incidental or consequential damages incurred by the other Party arising from this Agreement or the services performed or not performed hereunder, regardless of the cause of such loss or damage.

## VI. MISCELLANEOUS

A. It is understood and agreed to by the Parties that BellSouth may provide similar services to other companies.

B. All terms, conditions and operations under this Agreement shall be performed in accordance with, and subject to, all applicable local, state or federal legal and regulatory tariffs, rulings, and other requirements of the federal courts, the U. S. Department of Justice and state and federal regulatory agencies. Nothing in this Agreement shall be construed to cause either Party to violate any such legal or regulatory requirement and either Party's obligation to perform shall be subject to all such requirements.

C. Z-Tel agrees to submit to BellSouth all advertising, sales promotion, press releases, and other publicity matters relating to this Agreement wherein BellSouth's corporate or trade names, logos, trademarks or service marks or those of BellSouth's affiliated companies are mentioned or language from which the connection of said names or trademarks therewith may be inferred or implied; and Z-Tel further agrees not to publish or use advertising, sales promotions, press releases, or publicity matters without BellSouth's prior written approval.

D. This Agreement constitutes the entire Agreement between Z-Tel and BellSouth which supersedes all prior Agreements or contracts, oral or written representations, statements, negotiations, understandings, proposals and undertakings with respect to the subject matter hereof.

E. Except as expressly provided in this Agreement, if any part of this Agreement is held or construed to be invalid or unenforceable, the validity of any other Section of this Agreement shall remain in full force and effect to the extent permissible or appropriate in furtherance of the intent of this Agreement

F. Neither Party shall be held liable for any delay or failure in performance of any part of this Agreement for any cause beyond its control and without its fault or negligence, such as acts of God, acts of civil or military authority, government regulations, embargoes, epidemics, war, terrorist acts, riots, insurrections, fires, explosions, earthquakes, nuclear accidents, floods, strikes, power blackouts, volcanic action, other major environmental disturbances, unusually severe weather conditions, inability to secure products or services of other persons or transportation facilities, or acts or omissions of transportation common carriers.

G. This Agreement shall be deemed to be a contract made under the laws of the State of Georgia, and the construction, interpretation and performance of this Agreement and all transactions hereunder shall be governed by the domestic law of such State.

# RESALE ADDENDUM TO LINE INFORMATION DATA BASE (LIDB) STORAGE AGREEMENT

This is a Resale Addendum to the Line Information Data Base Storage Agreement dated _____, 2000, between BellSouth Telecommunications, Inc. ("BellSouth"), and Z-Tel ("Z-Tel"), effective the _____ day of _____, 2000.

## I. GENERAL

This Addendum sets forth the terms and conditions for Z-Tel's provision of billing number information to BellSouth for inclusion in BellSouth's LIDB. BellSouth will store in its LIDB the billing number information provided by Z-Tel, and BellSouth will provide responses to on-line, call-by-call queries to this information for purposes specified in Section I.B. of the Agreement.

## II. DEFINITIONS

A. Billing number - a number used by BellSouth for the purpose of identifying an account liable for charges. This number may be a line or a special billing number.

B. Line number - a ten-digit number assigned by BellSouth that identifies a telephone line associated with a resold local exchange service, or with a SPNP arrangement.

C. Special billing number - a ten-digit number that identifies a billing account established by BellSouth in connection with a resold local exchange service or with a SPNP arrangement.

D. Calling Card number - a billing number plus PIN number assigned by BellSouth.

E. PIN number - a four digit security code assigned by BellSouth which is added to a billing number to compose a fourteen digit calling card number.

F. Toll billing exception indicator - associated with a billing number to indicate that it is considered invalid for billing of collect calls or third number calls or both, by the Z-Tel.

G. Billed Number Screening - refers to the activity of determining whether a toll billing exception indicator is present for a particular billing number.

H. Calling Card Validation - refers to the activity of determining whether a particular calling card number exists as stated or otherwise provided by a caller.

I. Billing number information - information about billing number or Calling Card number as assigned by BellSouth and toll billing exception indicator provided to BellSouth by the Z-Tel.

## III. RESPONSIBILITIES OF PARTIES

A. BellSouth will include billing number information associated with resold exchange lines or SPNP arrangements in its LIDB. The Z-Tel will request any toll billing exceptions via the Local Service Request (LSR) form used to order resold exchange lines, or the SPNP service request form used to order SPNP arrangements.

B. Under normal operating conditions, BellSouth shall include the billing number information in its LIDB upon completion of the service order establishing either the resold local exchange service or the SPNP arrangement, provided that BellSouth shall not be held responsible for any delay or failure in performance to the extent such delay or failure is caused by circumstances or conditions beyond BellSouth's reasonable control. BellSouth will store in its LIDB an unlimited volume of the working telephone numbers associated with either the resold local exchange lines or the SPNP arrangements. For resold local exchange lines or for SPNP arrangements, BellSouth will issue line-based calling cards only in the name of Z-Tel. BellSouth will not issue line-based calling cards in the name of Z-Tel's individual end users. In the event that Z-Tel wants to include calling card numbers assigned by the Z-Tel in the BellSouth LIDB, a separate agreement is required.

C. BellSouth will provide responses to on-line, call-by-call queries to the stored information for the specific purposes listed in the next paragraph.

D. BellSouth is authorized to use the billing number information to perform the following functions for authorized users on an on-line basis:

1. Validate a 14 digit Calling Card number where the first 10 digits are a line number or special billing number assigned by BellSouth, and where the last four digits (PIN) are a security code assigned by BellSouth.

2. Determine whether the Z-Tel has identified the billing number as one which should not be billed for collect or third number calls, or both.

## RAO Hosting

1. RAO Hosting, Calling Card and Third Number Settlement System (CATS) and Non-Intercompany Settlement System (NICS) services provided to Z-Tel by BellSouth will be in accordance with the methods and practices regularly adopted and applied by BellSouth to its own operations during the term of this Agreement, including such revisions as may be made from time to time by BellSouth.

2. Z-Tel shall furnish all relevant information required by BellSouth for the provision of RAO Hosting, CATS and NICS.

3. Applicable compensation amounts will be billed by BellSouth to Z-Tel on a monthly basis in arrears. Amounts due from one Party to the other (excluding adjustments) are payable within thirty (30) days of receipt of the billing statement.

4. Z-Tel must have its own unique RAO code. Requests for establishment of RAO status where BellSouth is the selected Centralized Message Distribution System (CMDS) interfacing host, require written notification from Z-Tel to the BellSouth RAO Hosting coordinator at least eight (8) weeks prior to the proposed effective date. The proposed effective date will be mutually agreed upon between the Parties with consideration given to time necessary for the completion of required Telcordia (formerly BellCore) functions. BellSouth will request the assignment of an RAO code from its connecting contractor, currently Telcordia (formerly BellCore), on behalf of Z-Tel and will coordinate all associated conversion activities.

5. BellSouth will receive messages from Z-Tel that are to be processed by BellSouth, another LEC or CLEC in the BellSouth region or a LEC outside the BellSouth region.

6. BellSouth will perform invoice sequence checking, standard EMI format editing, and balancing of message data with the EMI trailer record counts on all data received from Z-Tel.

7. All data received from Z-Tel that is to be processed or billed by another LEC or CLEC within the BellSouth region will be distributed to that LEC or CLEC in accordance with the agreement(s) which may be in effect between BellSouth and the involved LEC or CLEC.

8. All data received from Z-Tel that is to be placed on the CMDS network for distribution outside the BellSouth region will be handled in accordance with the agreement(s) which may be in effect between BellSouth and its connecting contractor (currently Telcordia (formerly BellCore)).

9. BellSouth will receive messages from the CMDS network that are destined to be processed by Z-Tel and will forward them to Z-Tel on a daily basis.

10. Transmission of message data between BellSouth and Z-Tel will be via CONNECT:Direct.

11. All messages and related data exchanged between BellSouth and Z-Tel will be formatted in accordance with accepted industry standards for EMI formatted records and packed between appropriate EMI header and trailer records, also in accordance with accepted industry standards.

12. Z-Tel will ensure that the recorded message detail necessary to recreate files provided to BellSouth will be maintained for back-up purposes for a period of three (3) calendar months beyond the related message dates.

13. Should it become necessary for Z-Tel to send data to BellSouth more than sixty (60) days past the message date(s), Z-Tel will notify BellSouth in advance of the transmission of the data. If there will be impacts outside the BellSouth region, BellSouth will work with its connecting contractor and Z-Tel to notify all affected Parties.

14. In the event that data to be exchanged between the two Parties should become lost or destroyed, both Parties will work together to determine the source of the problem. Once the cause of the problem has been jointly determined and the responsible Party (BellSouth or Z-Tel) identified and agreed to, the company responsible for creating the data (BellSouth or Z-Tel) will make every effort to have the affected data restored and retransmitted. If the data cannot be retrieved, the responsible Party will be liable to the other Party for any resulting lost revenue. Lost revenue may be a combination of revenues that could not be billed to the end users and associated access revenues. Both Parties will work together to estimate the revenue amount based upon historical data through a method mutually agreed upon. The resulting estimated revenue loss will be paid by the responsible Party to the other Party within three (3) calendar months of the date of problem resolution, or as mutually agreed upon by the Parties.

15. Should an error be detected by the EMI format edits performed by BellSouth on data received from Z-Tel, the entire pack containing the affected data will not be processed by BellSouth. BellSouth will notify Z-Tel of the error condition. Z-Tel will correct the error(s) and will resend the entire pack to BellSouth for processing. In the event that an out-of-sequence condition occurs on subsequent packs, Z-Tel will resend these packs to BellSouth after the pack containing the error has been successfully reprocessed by BellSouth.

16. In association with message distribution service, BellSouth will provide Z-Tel with associated intercompany settlements reports (CATS and NICS) as appropriate.

17. In no case shall either Party be liable to the other for any indirect or consequential damages incurred as a result of the obligations set out in this Agreement.

18. RAO Compensation

18.1 Rates for message distribution service provided by BellSouth for Z-Tel are as set forth in Exhibit A to this Attachment.

18.2 Rates for data transmission associated with message distribution service are as set forth in Exhibit A to this Attachment .

18.3 Data circuits (private line or dial-up) will be required between BellSouth and Z-Tel for the purpose of data transmission. Where a dedicated line is required, Z-Tel will be responsible for ordering the circuit, overseeing its installation and coordinating the installation with BellSouth. Z-Tel will also be responsible for any charges associated with this line. Equipment required on the BellSouth end to attach the line to the mainframe computer and to transmit successfully ongoing will be negotiated on a case by case basis. Where a dial-up facility is required, dial circuits will be installed in the BellSouth data center by BellSouth and the associated charges assessed to Z-Tel. Additionally, all message toll charges associated with the use of the dial circuit by Z-Tel will be the responsibility of Z-Tel. Associated equipment on the BellSouth end, including a modem, will be negotiated on a case by case basis between the Parties.

18.4 All equipment, including modems and software, that is required on the Z-Tel end for the purpose of data transmission will be the responsibility of Z-Tel.

19. Intercompany Settlements Messages

19.1 This Section addresses the settlement of revenues associated with traffic originated from or billed by Z-Tel as a facilities based provider of local exchange telecommunications services outside the BellSouth region. Only traffic that originates in one Bell operating territory and bills in another Bell operating territory is included. Traffic that originates and bills within the same Bell operating territory will be settled on a local basis between Z-Tel and the involved company(ies), unless that company is participating in NICS.

19.2 Both traffic that originates outside the BellSouth region by Z-Tel and is billed within the BellSouth region, and traffic that originates within the BellSouth region and is billed outside the BellSouth region by Z-Tel, is covered by this Agreement (CATS). Also covered is traffic that either is originated by or billed by Z-Tel, involves a company other than Z-Tel, qualifies for inclusion in the CATS settlement, and is not originated or billed within the BellSouth region (NICS).

19.3 Once Z-Tel is operating within the BellSouth territory, revenues associated with calls originated and billed within the BellSouth region will be settled via Telcordia (formerly BellCore)'s, its successor or assign, NICS system

19.4 BellSouth will receive the monthly NICS reports from Telcordia (formerly BellCore), its successor or assign, on behalf of Z-Tel. BellSouth will distribute copies of these reports to Z-Tel on a monthly basis.

19.5 BellSouth will receive the monthly Calling Card and Third Number Settlement System (CATS) reports from Telcordia (formerly BellCore), its successor or assign, on behalf of Z-Tel. BellSouth will distribute copies of these reports to Z-Tel on a monthly basis.

19.6 BellSouth will collect the revenue earned by Z-Tel from the Bell operating company in whose territory the messages are billed (CATS), less a per message billing and collection fee of five cents ($0.05), on behalf of Z-Tel. BellSouth will remit the revenue billed by Z-Tel to the Bell operating company in whose territory the messages originated, less a per message billing and collection fee of five cents ($0.05), on behalf on Z-Tel. These two amounts will be netted together by BellSouth and the resulting charge or credit issued to Z-Tel via a monthly Carrier Access Billing System (CABS) miscellaneous bill.

19.7 BellSouth will collect the revenue earned by Z-Tel within the BellSouth territory from another CLEC also within the BellSouth territory (NICS) where the messages are billed, less a per message billing and collection fee of five cents ($0.05), on behalf of Z-Tel. BellSouth will remit the revenue billed by Z-Tel within the BellSouth region to the CLEC also within the BellSouth region, where the messages originated, less a per message billing and collection fee of five cents ($0.05). These two amounts will be netted together by BellSouth and the resulting charge or credit issued to Z-Tel via a monthly Carrier Access Billing System (CABS) miscellaneous bill.

BellSouth and Z-Tel agree that monthly netted amounts of less than fifty dollars ($50.00) will not be settled.

## Optional Daily Usage File

1. Upon written request from Z-Tel, BellSouth will provide the Optional Daily Usage File (ODUF) service to Z-Tel pursuant to the terms and conditions set forth in this section.

2. Z-Tel shall furnish all relevant information required by BellSouth for the provision of the Optional Daily Usage File.

3. The Optional Daily Usage Feed will contain billable messages that were carried over the BellSouth Network and processed in the BellSouth Billing System, but billed to a Z-Tel customer.

   Charges for delivery of the Optional Daily Usage File will appear on Z-Tels' monthly bills. The charges are as set forth in Exhibit A to this Attachment.

4. The Optional Daily Usage Feed will contain both rated and unrated messages. All messages will be in the standard Alliance for Telecommunications Industry Solutions (ATIS) EMI record format.

5. Messages that error in Z-Tel's billing system will be the responsibility of Z-Tel. If, however, Z-Tel should encounter significant volumes of errored messages that prevent processing by Z-Tel within its systems, BellSouth will work with the to determine the source of the errors and the appropriate resolution.

6. The following specifications shall apply to the Optional Daily Usage Feed.

6.1 Usage To Be Transmitted

6.1.1 The following messages recorded by BellSouth will be transmitted to Z-Tel:

- Message recording for per use/per activation type services (examples: Three Way Calling, Verify, Interrupt, Call Return, ETC.)
- Measured billable Local
- Directory Assistance messages
- IntraLATA Toll
- WATS & 800 Service
- N11

- Information Service Provider Messages
- Operator Services Messages
- Operator Services Message Attempted Calls (UNE only)
- Credit/Cancel Records
- Usage for Voice Mail Message Service

6.1.2 Rated Incollects (originated in BellSouth and from other companies) can also be on Optional Daily Usage File. Rated Incollects will be intermingled with BellSouth recorded rated and unrated usage. Rated Incollects will not be packed separately.

6.1.3 BellSouth will perform duplicate record checks on records processed to Optional Daily Usage File. Any duplicate messages detected will be deleted and not sent to Z-Tel.

6.1.4 In the event that Z-Tel detects a duplicate on Optional Daily Usage File they receive from BellSouth, Z-Tel will drop the duplicate message (Z-Tel will not return the duplicate to BellSouth).

6.2 Physical File Characteristics

6.2.1 The Optional Daily Usage File will be distributed to Z-Tel via an agreed medium with CONNECT:Direct being the preferred transport method. The Daily Usage Feed will be a variable block format (2476) with an LRECL of 2472. The data on the Daily Usage Feed will be in a non-compacted EMI format (175 byte format plus modules). It will be created on a daily basis (Monday through Friday except holidays). Details such as dataset name and delivery schedule will be addressed during negotiations of the distribution medium. There will be a maximum of one dataset per workday per OCN.

6.2.2 Data circuits (private line or dial-up) may be required between BellSouth and Z-Tel for the purpose of data transmission. Where a dedicated line is required, Z-Tel will be responsible for ordering the circuit, overseeing its installation and coordinating the installation with BellSouth. Z-Tel will also be responsible for any charges associated with this line. Equipment required on the BellSouth end to attach the line to the mainframe computer and to transmit successfully ongoing will be negotiated on a case by case basis. Where a dial-up facility is required, dial circuits will be installed in the BellSouth data center by BellSouth and the associated charges assessed to Z-Tel. Additionally, all message toll charges associated with the use of the dial circuit by Z-Tel will be the responsibility of Z-Tel. Associated equipment on the BellSouth end, including a modem, will be negotiated on a case by case basis between the parties.

All equipment, including modems and software, that is required on Z-Tel end for the purpose of data transmission will be the responsibility of Z-Tel.

6.3 Packing Specifications

6.3.1 A pack will contain a minimum of one message record or a maximum of 99,999 message records plus a pack header record and a pack trailer record. One transmission can contain a maximum of 99 packs and a minimum of one pack.

6.3.2 The OCN, From RAO, and Invoice Number will control the invoice sequencing. The From RAO will be used to identify to Z-Tel which BellSouth RAO that is sending the message. BellSouth and Z-Tel will use the invoice sequencing to control data exchange. BellSouth will be notified of sequence failures identified by Z-Tel and resend the data as appropriate.

**THE DATA WILL BE PACKED USING ATIS EMI RECORDS.**

6.4 Pack Rejection

6.4.1 Z-Tel will notify BellSouth within one business day of rejected packs (via the mutually agreed medium). Packs could be rejected because of pack sequencing discrepancies or a critical edit failure on the Pack Header or Pack Trailer records (i.e. out-of-balance condition on grand totals, invalid data populated). Standard ATIS EMI Error Codes will be used. Z-Tel will not be required to return the actual rejected data to BellSouth. Rejected packs will be corrected and retransmitted to Z-Tel by BellSouth.

6.5 Control Data

Z-Tel will send one confirmation record per pack that is received from BellSouth. This confirmation record will indicate Z-Tel received the pack and the acceptance or rejection of the pack. Pack Status Code(s) will be populated using standard ATIS EMI error codes for packs that were rejected by Z-Tel for reasons stated in the above section.

6.6 Testing

6.6.1 Upon request from Z-Tel, BellSouth shall send test files to Z-Tel for the Optional Daily Usage File. The parties agree to review and discuss the file's content and/or format. For testing of usage results, BellSouth shall request that Z-Tel set up a production (LIVE) file. The live test may consist of Z-Tel's employees making test calls for the types of services Z-Tel requests on the Optional Daily Usage File. These test calls are logged by Z-Tel, and the logs are provided to BellSouth. These logs will be used to verify the files. Testing will be completed within 30 calendar days from the date on which the initial test file was sent.

## Enhanced Optional Daily Usage File

1. Upon written request from Z-Tel, BellSouth will provide the Enhanced Optional Daily Usage File (EODUF) service to Z-Tel pursuant to the terms and conditions set forth in this section. EODUF will only be sent to existing ODUF subscribers who request the EODUF option.

2. The Z-Tel shall furnish all relevant information required by BellSouth for the provision of the Enhanced Optional Daily Usage File.

3. The Enhanced Optional Daily Usage File (EODUF) will provide usage data for local calls originating from resold Flat Rate Business and Residential Lines.

4. Charges for delivery of the Enhanced Optional Daily Usage File will appear on Z-Tels' monthly bills. The charges are as set forth in Exhibit A to this Attachment.

5. All messages will be in the standard Alliance for Telecommunications Industry Solutions (ATIS) EMI record format.

6. Messages that error in the billing system of Z-Tel will be the responsibility of Z-Tel. If, however, Z-Tel should encounter significant volumes of errored messages that prevent processing by Z-Tel within its systems, BellSouth will work with Z-Tel to determine the source of the errors and the appropriate resolution.

7. The following specifications shall apply to the Optional Daily Usage Feed.

7.1 Usage To Be Transmitted

7.1.1 The following messages recorded by BellSouth will be transmitted to Z-Tel:

Customer usage data for flat rated local call originating from Z-Tel's end user lines (1FB or 1FR). The EODUF record for flat rate messages will include:

Date of Call
From Number
To Number
Connect Time
Conversation Time
Method of Recording
From RAO
Rate Class
Message Type
Billing Indicators
Bill to Number

7.1.2 BellSouth will perform duplicate record checks on EODUF records processed to Optional Daily Usage File. Any duplicate messages detected will be deleted and not sent to Z-Tel.

7.1.3 In the event that Z-Tel detects a duplicate on Enhanced Optional Daily Usage File they receive from BellSouth, Z-Tel will drop the duplicate message (Z-Tel will not return the duplicate to BellSouth).

7.2 Physical File Characteristics

7.2.1 The Enhanced Optional Daily Usage Feed will be distributed to Z-Tel over their existing Optional Daily Usage File (ODUF) feed. The EODUF messages will be intermingled among Z-Tel's Optional Daily Usage File (ODUF) messages. The EODUF will be a variable block format (2476) with an LRECL of 2472. The data on the EODUF will be in a non-compacted EMI format (175 byte format plus modules). It will be created on a daily basis (Monday through Friday except holidays).

7.2.2 Data circuits (private line or dial-up) may be required between BellSouth and Z-Tel for the purpose of data transmission. Where a dedicated line is required, Z-Tel will be responsible for ordering the circuit, overseeing its installation and coordinating the installation with BellSouth. Z-Tel will also be responsible for any charges associated with this line. Equipment required on the BellSouth end to attach the line to the mainframe computer and to transmit successfully ongoing will be negotiated on a case by case basis. Where a dial-up facility is required, dial circuits will be installed in the BellSouth data center by BellSouth and the associated charges assessed to Z-Tel. Additionally, all message toll charges associated with the use of the dial circuit by Z-Tel will be the responsibility of Z-Tel. Associated equipment on the BellSouth end, including a modem, will be negotiated on a case by case basis between the parties. All equipment, including modems and software, that is required on Z-Tel's end for the purpose of data transmission will be the responsibility of Z-Tel.

7.3 Packing Specifications

7.3.1 A pack will contain a minimum of one message record or a maximum of 99,999 message records plus a pack header record and a pack trailer record. One transmission can contain a maximum of 99 packs and a minimum of one pack.

7.3.2 The Operating Company Number (OCN), From Revenue Accounting Office (RAO), and Invoice Number will control the invoice sequencing. The From RAO will be used to identify to Z-Tel which BellSouth RAO that is sending the message. BellSouth and Z-Tel will use the invoice sequencing to control data exchange. BellSouth will be notified of sequence failures identified by Z-Tel and resend the data as appropriate.

**THE DATA WILL BE PACKED USING ATIS EMI RECORDS.**

**BELLSOUTH/Z-TEL RATES**
**ODUF/EDOUF/CMDS**

| DESCRIPTION | USOC | RATES BY STATE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | AL | FL | GA | KY | LA | MS | NC | SC | TN |
| ODUF: Recording, per message | N/A | $0 0002 | $0 008 | $0 008 | $0 0008611 | $0 00019 | $0 0001179 | $0 008 | $0 0002862 | $0 008 |
| ODUF: Message Processing, per message | N/A | $0 0033 | $0 004 | $0 004 | $0 0032357 | $0 0024 | $0 0032089 | $0 004 | $0 0032344 | $0 004 |
| EODUF: Message Processing, per message | N/A | $0 004 | $0 004 | $0 004 | $0 004 | $0 004 | $0 004 | $0 004 | $0 004 | $0 004 |
| CMDS: Message Processing, per message | N/A | $0 004 | $0 004 | $0 004 | $0 004 | $0 004 | $0 004 | $0 004 | $0 004 | $0 004 |
| ODUF: Message Processing, per magnetic tape provisioned | N/A | $55 19 | $54 95 | $54 95 | $55 68 | $47 30 | $54 62 | $54 95 | $54 72 | $54 95 |
| EODUF: Message Processing, per magnetic tape provisioned | N/A | $47 30 | $47 30 | $47 30 | $47 30 | $47 30 | $47 30 | $47 30 | $47 30 | $47 30 |
| ODUF: Data Transmission (CONNECT:DIRECT), per message | N/A | $0 00004 | $0 001 | $0 001 | $0 0000365 | $0 00003 | $0 0000354 | $0 001 | $0 0000357 | $0 001 |
| EODUF: Data Transmission (CONNECT:DIRECT), per message | N/A | $0 0000364 | $0 0000364 | $0 0000364 | $0 0000364 | $0 0000364 | $0 0000364 | $0 0000364 | $0 0000364 | $0 0000364 |
| CMDS: Data Transmission (CONNECT:DIRECT), per message | N/A | $0 001 | $0 001 | $0 001 | $0 001 | $0 001 | $0 001 | $0 001 | $0 001 | $0 001 |
| * Volume and term arrangements are also available. | | | | | | | | | | |

**NOTES:**
If no rate is identified in the contract, the rate for the specific service or function will be as set forth in applicable BellSouth tariff or as negotiated by the parties upon request by either party

# Attachment 2

# Network Elements and Other Services

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# ACCESS TO NETWORK ELEMENTS AND OTHER SERVICES

## 1. Introduction

1.1. This Attachment sets forth the unbundled network elements and combinations of unbundled network elements that BellSouth agrees to offer to Z-Tel in accordance with its obligations under Section 251(c)(3) of the Act. The specific terms and conditions that apply to the unbundled network elements are described below in this Attachment 2. The price for each unbundled network element and combination of unbundled Network Elements are set forth in Exhibit A of this Agreement.

1.2. For purposes of this Agreement, "Network Element" is defined to mean a facility or equipment provided by BellSouth on an unbundled basis as is used by the CLEC in the provision of a telecommunications service. BellSouth will make available to Z-Tel access to unbundled network elements consistent with the requirements of 47 C.F.R. § 319. For purposes of this Agreement, combinations of Network Elements shall be referred to as "Combinations."

1.2.1. Except as otherwise required by law, BellSouth shall not impose limitation restrictions or requirements or request for the use of the network elements or combinations that would impair the ability of Z-Tel to offer telecommunications service in the manner Z-Tel intends.

1.2.2. Except upon request by Z-Tel, BellSouth shall not separate requested network elements that BellSouth currently combines.

1.2.2.1. Unless otherwise ordered by an appropriate state or federal regulatory agency, currently combined Network Elements are defined as elements that are already combined within BellSouth's network to a given location.

1.3. BellSouth shall, upon request of Z-Tel, and to the extent technically feasible, provide to Z-Tel access to its network elements for the provision of Z-Tel's telecommunications service. If no rate is identified in the contract, the rate for the specific service or function will be as set forth in applicable BellSouth tariff or as negotiated by the Parties upon request by either Party.

1.4. Z-Tel may purchase network elements and other services from BellSouth for the purpose of combining such network elements in any manner Z-Tel chooses to provide telecommunication services to its intended users, including recreating existing BellSouth services. With the exception of the sub-loop elements which are located outside of the central office, BellSouth shall deliver the network elements purchased

by Z-Tel for combining to the designated Z-Tel collocation space. The network elements shall be provided as set forth in this Attachment.

1.5. Subject to applicable and effective FCC Rules and Orders as well as effective State Commission Orders, BellSouth will offer combinations of network elements pursuant to such orders. In addition to the combinations of Network Elements described in Section 4 & 5 of this Attachment, BellSouth will provide the following combinations for purchase by Z-Tel. The rate of the following combinations is the sum of the individual element prices as set forth in this Attachment. Order Coordination as defined in Section 2 of Attachment 2 of this Agreement is available for each of these combinations:

- SL2 loop and cross connect
- Port and cross connect
- Port and cross connect and common (shared) transport
- Port and vertical features
- SL2 Loop with loop concentration
- Port and common (shared) transport
- SL2 Loop and LNP

1.6. In the event that any effective legislative, regulatory, judicial or other legal action modifies or redefines the "Network Elements" in a manner which materially affects the terms of this Attachment or the Network Elements and/or prices set forth herein, either Party may, on thirty (30) days written notice, require renegotiation of such terms, and the Parties shall renegotiate in good faith such new terms in accordance with such legislative, regulatory, judicial or other legal action. In the event such new terms are not renegotiated within ninety (90) days after the notice for renegotiation, either Party may petition the Commission for resolution of the dispute between the Parties. Each Party reserves the right to seek judicial review of any Commission ruling concerning this Attachment.

1.8. Z-Tel will adopt and adhere to the standards contained in the applicable CLEC Work Center Operational Understanding Agreement regarding maintenance and installation of service.

1.9. Standards for Network Elements

1.9.1 BellSouth shall comply with the requirements set forth in the technical references, as well as any performance or other requirements identified in this Agreement, to the extent that they are consistent with the greater of BellSouth's actual performance or applicable industry standards.

1.9.2 If one or more of the requirements set forth in this Agreement are in conflict, the parties shall mutually agree on which requirement shall apply. If the parties cannot

reach agreement, the dispute resolution process set forth in Section 12 of the General Terms and Conditions of this Agreement, incorporated herein by this reference, shall apply.

## 2. Unbundled Loops, Integrated Digital Loop Carriers, Network Interfaces Device, Unbundled Loop Concentration (ULC) System, Sub loops and Dark Fiber

All of the negotiated rates, terms and conditions set forth in this Section pertain to the provision of unbundled loops.

### 2.1 Unbundled Loops

2.1.1 Definition

2.1.2 The local loop network element ("Loop(s)") is defined as a transmission facility between a distribution frame (or its equivalent) in BellSouth's central office and the loop demarcation point at an end-user customer premises, including inside wire owned by BellSouth. The local loop network element includes all features, functions, and capabilities of the transmission facilities, including dark fiber and attached electronics (except those used for the provision of advanced services, such as Digital Subscriber Line Access Multiplexers) and line conditioning. The loop shall include the use of all test access functionality, including without limitation, smart jacks (where deployed) , for both voice and data.

2.1.3 For stand alone loops, the provisioning of service to a CLEC's collocation space will require cross-office cabling and cross-connections within the central office to connect the loop to a local switch or to other transmission equipment. These cross-connects are a separate network component and are not considered a part of the loop.

2.1.4 BellSouth Order Coordination referenced in Attachment 2 includes two types: "Order Coordination" and "Order Coordination - Time Specific."

2.1.5 "Order Coordination" refers to standard BellSouth service order coordination involving SL2 voice loops and all digital loops. Order coordination for physical conversions will be scheduled at BellSouth's discretion during normal working hours on the committed due date and Z-Tel advised.

2.1.5.1 "Order Coordination – Time Specific" refers to service order coordination in which Z-Tel requests a specific time for a service order conversion to take place. Loops on a single service order of 14 or more loops will be provisioned on a project basis. This is a chargeable option for any coordinated order and is billed in addition to the OC charge. Z-Tel may specify a time between 9:00 a.m. and 4:00 p.m. (location time) Monday through Friday (excluding holidays). If Z-Tel specifies a time outside this window, or selects a time or quantity of loops that requires BellSouth technicians to

work outside normal work hours, overtime charges will apply in addition to the OC and OC-TS charges. Overtime charges will be applied according to actual costs based on type of force group required to perform the work, overtime hours worked and any special circumstances.

2.1.6 Cut-Over process

For a coordinated conversion i.e. stand alone ILNP, ILNP and LNP with loop or stand alone loop where order coordination is provided for in this agreement, BellSouth shall verbally coordinate the disconnect with Z-Tel and perform any switch translations so as to limit end user service outage. BellSouth and Z-Tel will mutually agree upon a cutover time 24 to 48 hours prior to the actual conversion. Z-Tel may designate the conversion time when the conversion involves a loop with ILNP or LNP by ordering time specific conversion at rates designated in this agreement. For time specific conversions, BellSouth will verify the cut-over time designated by Z-Tel 24 to 48 hours in advance to ensure that the conversion is to be completed as ordered. If BellSouth fails to complete a time specific conversion ordered by Z-Tel, BellSouth will, upon completion of the conversion and if requested by Z-Tel, waive the non-recurring OC-TS charges. Both parties will use best efforts to ensure mutually agreed to conversion times, as identified in this paragraph, will commence within 30 minutes of the agreed time.

BellSouth's normal hours of operation are defined in Attachment 6.0. Provisioning outside of these hours will be billed at overtime rates for the number of employees supporting the after hours conversion.

Testing

BellSouth will perform the appropriate preservice tests to ensure Z-Tel dial tone is delivered to the appropriate connecting point. The timing of the test is based on the overall interval of the service being provisioned. Under normal intervals, testing is normally completed 24 hours in advance of the conversion. BellSouth testing activities on the due date will include continunity tests and Z-Tel dial tone and telephone number delivery from the Z-Tel collocation to the BellSouth cable pair. In any event, BellSouth will advise Z-Tel when ever connectivity cannot be verified with Z-Tel and will work cooperatively with Z-Tel to correct the problem. BellSouth will advise Z-Tel at completion of the conversion or turn up of new services in order for Z-Tel to accept or reject the services being provisioned BellSouth will work cooperatively with Z-Tel to ensure end user service outage is minimal.

Where a field visit is required to provision the loop, BellSouth will test the loop ordered by Z-Tel to the NID. Testing requested by Z-Tel beyond the NID

will be billed a time and material charge at the same increments BellSouth charges it's own end users. Requests for field testing where a dispatch is not required may be made by Z-Tel and where mutually agreed to, BellSouth will dispatch to perform additional field testing at rates billed on a time and material basis as mentioned in this paragraph.

Cutover intervals for ILNP, ILNP with loop and LNP with loop will be at parity with the intervals experienced by BellSouth end users, BellSouth itself or any other CLEC as indicated in the results of the Service Quality Measurements published by BellSouth.

BellSouth will use best efforts to complete conversions using the following cutover intervals.
A single loop in 15 minutes
Multiple loop requests up to and including 10 in 60 minutes.
Multiple loop requests up to and including 30 in 120 minutes.

Both parties recognize that certain conversions requiring multiple cut points may exceed the above intervals but in any event both parties will work cooperatively to limit service outage to an end user.

BellSouth and Z-Tel will jointly develop additional processes or procedures as the need arises to improve service delivery during the life of the agreement.

2.1.7 For stand-alone loop orders, where facilities are available, BellSouth will install loops within a 5-7 business days interval. For orders of 14 or more loops, the installation will be handled on a project basis and the intervals will be set by the BellSouth project manager for that order. Some loops require a Service Inquiry (SI) to determine if facilities are available prior to issuing the order. The interval for the SI process is separate from the installation interval. For expedite requests by Z-Tel, expedite charges will apply for intervals less than 5 days. The charges outlined in BellSouth's FCC # 1 Tariff, Section 5.1.1, will apply. If Z-Tel cancels an order for network elements and other services, any costs incurred by BellSouth in conjunction with the provisioning of that order will be recovered in accordance with FCC #1 Tariff, Section 5.4. The intervals are set forth in the BellSouth Product and Services Interval Guide, subject to General Terms and Conditions Section 25.

2.1.8 If Z-Tel modifies an order after being sent a Firm Order Confirmation (FOC) from BellSouth, except modifications submitted at BellSouth's request, any costs incurred by BellSouth to accommodate a modification will be reimbursed by Z-Tel.

**2.1.9 BellSouth will offer Unbundled Voice Loops (UVL) in two different service levels** - Service Level One (SL1) and Service Level Two (SL 2)

2.1.10 SL1 loops will be non-designed, will not have test points, and will not come with any Order Coordination (OC) or engineering information/circuit make-up data. Upon issuance of an order in the service order system, SL1 loops will be activated on the due date in the same manner and time frames that BellSouth normally activates POTS-type loops for its customers. If Z-Tel requests work to be done for SL1s that requires BellSouth technicians to work outside normal work hours, overtime charges will be applied according to actual costs based on type of force group required to perform the work, overtime hours worked and any special circumstances.

2.1.11 SL2 loops shall have test points, with or without conditioning, will be designed with a design layout record provided to Z-Tel, and will be provided with OC. The OC feature will allow Z-Tel to coordinate the installation of the loop with the disconnect of an existing customer's service and/or number portability service. In these cases, BellSouth will perform the order conversion with standard order coordination at its discretion during normal work hours.

2.1.12 **BellSouth will also offer Unbundled Digital Loops (UDL).** They will be designed, will be provisioned with test points (where appropriate), and will come standard with Order Coordination and a Design Layout Record (DLR). Should Z-Tel choose to order preorder Loop Makeup prior to ordering an xDSL capable loop, the provisions in Section 2.10 shall apply. Additional information regarding xDSL capable loops can be found in section 2.11.

2.1.13 As a chargeable option on all loops except UVL-SL1 and UCL, BellSouth will offer Order Coordination - Time Specific (OC-TS). This will allow Z-Tel the ability to specify the time that the coordinated conversion takes place. The OC-TS charge for orders due on the same day at the same location will be applied on a per Local Service Request (LSR) basis. In the event that multiple LSRs are worked on the same day, at the same location, only one OC-TS charge will apply per day.

2.1.14 Z-Tel will be responsible for testing and isolating troubles on the loops. Once Z-Tel has isolated a trouble to the BellSouth provided loop, Z-Tel will issue a trouble to BellSouth on the loop. BellSouth will take the actions necessary to repair the loop if a trouble actually exists. BellSouth will repair these loops in the same time frames that BellSouth repairs similarly situated loops to its customers.

2.1.15 If Z-Tel reports a trouble on SL1 loops and no trouble actually exists, BellSouth will charge Z-Tel for any dispatching and testing (both inside and outside the CO) required by BellSouth in order to confirm the loop's working status. In the event that, after a trouble has been reported to BellSouth, Z-Tel dispatches to address a trouble claimed by BellSouth not to be on the BellSouth network when the trouble actually exists on BellSouth's network, Z-Tel may charge BellSouth on a time and materials basis, for dispatching, provided that such charges do not exceed BellSouth's tariffed charges for the same services.

2.1.16 If Z-Tel reports a trouble on SL2 loops and no trouble actually exists, BellSouth will charge Z-Tel for any dispatching and testing, (outside the CO) required by BellSouth in order to confirm the loop's working status. . In the event that, after a trouble has been reported to BellSouth, Z-Tel dispatches to address a trouble claimed by BellSouth not to be on the BellSouth network when the trouble actually exists on BellSouth's network, Z-Tel may charge BellSouth on a time and materials basis, for dispatching, provided that such charges do not exceed BellSouth's tariffed charges for the same services.

2.1.17 In addition to the UVLs and UDLs, BellSouth shall make available an **Unbundled Copper Loop (UCL)**. The UCL will be a copper twisted pair loop that is unencumbered by any intervening equipment (e.g., filters, load coils, range extenders, digital loop carrier, or repeaters). The UCL will be offered in two versions - Short and Long. A short UCL (18 kft or less) will be provisioned according to Resistance Design parameters. The long UCL (beyond 18kft) will be used when a CLEC wants to condition copper loops longer than 18kft by removing load coils and other intervening equipment. BellSouth will only ensure electrical continuity and balance relative to tip and ring on UCLs. Additional information regarding xDSL capable loops can be found in section 2.11.

2.1.18 The UCL will be a designed circuit, with or without conditioning, provisioned with a test point and come standard with a DLR. OC will be offered as a chargeable option on all UCL loops. Order Coordination – Time Specific (OC-TS) will not be offered on UCLs.

2.1.19 The UCL is a dry cooper loop and is not intended to support any particular telecommunications service. Z-Tel may use the UCL loop for a variety of services, including xDSL (e.g., ADSL and HDSL) services, by attaching appropriate terminal equipment of Z-Tel's choosing. Z-Tel will determine the type of service that will be provided over the loop.

2.1.20 Because the UCL loop shall be an unbundled loop offering that is separate and distinct from BellSouth's **ADSL and HDSL capable loop offerings**, CLEC agrees that BellSouth's UCL loop will not be held to the service level and performance expectations that apply to its ADSL and HDSL unbundled loop offerings. BellSouth shall only be obligated to maintain copper continuity and provide balance relative to tip and ring. If a loop contains repeaters, load coils, or excessive bridge tap, Z-Tel, at its option, shall decide whether or not to have BellSouth remove said repeaters, load coils, or excessive bridge tap via the Unbundled Loop Modification Process. Additional information regarding xDSL capable loops can be found in section 2.11.

2.1.21 The UCL loop shall be provided to CLEC in accordance with BellSouth's Technical Reference 73600.http:///

2.1.22 Technical Requirements

2.1.22.1 To the extent available within BellSouth's Network at a particular location, BellSouth will offer loops including, but not limited to DS1, DS3, fiber and other high capacity loops. If a requested loop type is not available, then the CLEC can use the Special Construction process to request that BellSouth place facilities or otherwise modify facilities in order to meet Z-Tel's request.

2.1.22.2 Z-Tel will be responsible for providing BellSouth with a Service Profile Identifier (SPID) associated with a particular ISDN-capable loop and end user. With the SPID, BellSouth will be able to adequately test the circuit and ensure that it properly supports ISDN service.

2.1.22.3 The loop will support the transmission, signaling, performance and interface requirements of the services described in 2.1.22.1 above. It is recognized that the requirements of different services are different, and that a number of types or grades of loops are required to support these services. Services provided over the loop by Z-Tel will be consistent with industry standards and BellSouth's TR73600.

2.1.22.4 Z-Tel may utilize the unbundled loops to provide any telecommunication service it wishes. However, BellSouth will only provision, maintain and repair the loops to the standards that are consistent with the type of loop ordered. For example, if Z-Tel orders an ISDN-capable loop but wants to use the loop for a service other than ISDN, BellSouth will only support that the loop is capable of providing ISDN service. For non-service specific loops (e.g. UCL, loops modified by Z-Tel using the Special Construction process), BellSouth will only support that the loop has copper continuity and balanced tip-and-ring.

2.1.22.5 In some instances, Z-Tel will require access to a copper twisted pair loop unfettered by any intervening equipment (e.g., filters, load coils, range extenders, etc.), so that Z-Tel can use the loop for a variety of services by attaching appropriate terminal equipment at the ends. Z-Tel will determine the type of service that will be provided over the loop. In some cases, Z-Tel may be required to pay additional charges for the removal of certain types of equipment. BellSouth's Special Construction process will be used to determine the costs and feasibility of these activities.

2.1.22.6 Z-Tel may order modifications to any loop type so long as the resulting modified loop still fits the technical parameters for that service specific loop type. In those cases where Z-Tel has requested that BellSouth modify a loop so that it no longer meets the technical parameters for a service specific loop (e.g., voice grade, ISDN, ADSL, etc.) the resulting modified loop will be ordered and maintained as a UCL.

2.1.22.7 If Z-Tel reports a trouble on a conditioned loop, and the loop has continuity and line balancing, BellSouth will charge Z-Tel for any dispatching and testing, (outside the CO) required by BellSouth in order to confirm the loop's continuity and line balance.

If Z-Tel requests additional testing, BellSouth will cooperate, where resources permit, on a time and material basis. 2.1.22.9 The loop shall be provided to Z-Tel in accordance with BellSouth's TR73600 Unbundled Local Loop Technical Specification and applicable industry standard technical references.

**2.1.23 Universal Digital Channel (UDC) Loop**

2.1.23.1 Due to technical limitations associated with certain DLC systems, some ISDN-capable loops that are provisioned using DLC systems may not support IDSL service. Effective with this agreement, BellSouth will no longer reconfigure its ISDN-capable loop to support IDSL service.

2.1.23.2 Instead, BellSouth agrees to offer the Universal Digital Channel (UDC) loop as a part of their Unbundled Digital Loop offerings. The UDC loop is intended to be compatible with IDSL service and has the same physical characteristics and transmission specifications as BellSouth's ISDN-capable loop. These specifications are listed in BellSouth's TR73600.

2.1.23.3 Like the ISDN-capable loop, the UDC loop may be provisioned on copper or through a DLC system. However, when UDC loops are provisioned using a DLC system, BellSouth will ensure that they are only provisioned on time slots that are compatible with data-only services such as IDSL.

**2.2 Loop Conditioning/Unbundled Loop Modification Process:**

2.2.1 Subject to applicable and effective FCC rules and orders, BellSouth shall condition loops, as requested by Z-Tel, whether or not BellSouth offers advanced services to the End User on that loop.

2.2.2 Loop conditioning is defined as the removal from the loop of any devices that may diminish the capability of the loop to deliver high-speed switched wireline telecommunications capability, including xDSL service. Such devices include, but are not limited to, bridge taps, low pass filters, and range extenders (e.g. load coils and repeaters).

2.2.3 BellSouth shall recover the cost of line conditioning requested by Z-Tel through a recurring charge and/or nonrecurring charge(s) in accordance with the FCC's forward-looking pricing principles promulgated pursuant to section 252 (d) (1) of the Act and in compliance with FCC Rule 52.507 (e).

## 2.3. Integrated Digital Loop Carriers

2.3.1 Where BellSouth uses Integrated Digital Loop Carrier (IDLC) systems to provide the local loop and BellSouth has a suitable alternate facility available, BellSouth will make arrangements to permit Z-Tel to order a contiguous local loop. To the extent it is technically feasible, these arrangements will provide Z-Tel with the capability to serve end users at a level that is at parity with the level of service BellSouth provides its customers. If no alternate facility is available, BellSouth will utilize its Special Construction (SC) process to determine the additional costs required to provision the loop facilities. Z-Tel will then have the option of paying the one-time SC rates to place the loop facilities or Z-Tel may chose some other method of providing service to the end-user (e.g., Resale, private facilities, etc.).

2.3.2 If Z-Tel requests one or more loops served by an Integrated Digital Loop Carrier system ("IDLC"), BellSouth shall unbundle the IDLC-delivered loop, as soon as practicable, using one of the following alternative arrangements: (1) utilize existing Next Generation Digital Loop Carrier ("NGDLC") facilities; (2) utilize existing Universal Digital Loop Carrier ("UDLC"); (3) utilize existing copper facilities that serve the distribution area or allocate new copper feeder pairs to the distribution area if spare capacity is available in the feeder route or carrier serving area; (4) utilize spare capacity of existing Integrated Network Access system or other existing IDLC that is terminated on a digital cross-connect system; (5) utilize side-door/hairpin capability of switch peripheral if the serving IDLC is terminated on a peripheral with those capabilities, or if spare capacity is available on a switch peripheral that is capable of side-door/hairpin, move the serving IDLC to the side-door capable peripheral; (6) activate new IDLC or NGDLC capacity to the distribution area; or (7) convert some existing IDLC capacity to UDLC. These alternative arrangements will be used where available to permit Z-Tel to order a contiguous unbundled local loop and to provide Z-Tel with the capability to serve end users at the same level BellSouth provides its retail customers, to the extent technically feasible. Options 4, 5, and 6 are not applicable for SL-1 loops.

2.3.3 BellSouth will make its best efforts to provide Z-Tel with an unbundled IDLC-delivered loop in the order set forth above, when such alternative arrangements are available. The Parties recognize that BellSouth may reasonably deviate from the order set forth in Section 3.01 in order to unbundled an IDLC-delivered loop, such as to meet a due date, and may change the method by which it is providing an unbundled IDLC-delivered loop to Z-Tel after initial installation. Any such change in the method of providing an unbundled IDLC-delivered loop after initial installation will be coordinated between BellSouth and Z-Tel. The Parties also recognize that the alternative arrangements identified in the above Section are based on existing technology and current regulatory requirements; in the event changes in technology or in BellSouth's network affect BellSouth's ability to

continue utilizing such arrangements or BellSouth subsequently agrees or is required to make available other technically feasible alternatives or options for unbundling an IDLC-delivered loop, the Parties agree to amend this Section accordingly.

2.3.4 In the event BellSouth must construct facilities in order to provide Z-Tel with an unbundled IDLC-delivered loop as set forth in options 6 and 7 in the Section above, BellSouth will notify Z-Tel of Z-Tel's intent to assess Z-Tel special construction charges associated with the cost of provisioning the loop facilities. At such time BellSouth will also notify Z-Tel of the amount of special construction charges and the basis for them. In the event that Z-Tel does not agree with the charges, Z-Tel may follow the Dispute Resolution processes as set forth in this Agreement.

2.3.5 Notwithstanding any dispute concerning the payment of special construction charges, the Parties agree that BellSouth will construct facilities to provide Z-Tel with an unbundled IDLC-delivered loop if there are no other alternative arrangements available and if Z-Tel requests that BellSouth construct such facilities. In such event, Z-Tel agrees to pay BellSouth the special construction charges as originally quoted, with the understanding the Parties will true-up the final amount based on the outcome of the Dispute Resolution process. Because of the time involved in constructing facilities necessary to provide loop facilities to Z-Tel, the Parties agree that any intervals contained in this Agreement applicable to the provisioning of unbundled loops will not apply when alternative facilities do not exist and BellSouth must construct such facilities in order to provide Z-Tel with an unbundled IDLC-delivered loop.

2.3.6 Once a year and upon specific written request for a specific geographical area, Z-Tel may request, and BellSouth will provide Z-Tel at no charge, the following information concerning the location of IDLC on a central office by central office basis in BellSouth's serving area; (1) the location of loops available over IDLC or NGDLC, when available; and (2) the location of IDLC-delivered loops for which no alternative facility currently exists. To the extent Z-Tel requests this information on a more frequent basis, Z-Tel agrees to reimburse BellSouth the reasonable costs of providing such information.

## 2.4 Network Interface Device

2.4.1 Definition

The NID is defined as any means of interconnection of end-user customer premises wiring to BellSouth's distribution plant, such as a cross connect device used for that purpose. The NID is a single-line termination device or that portion of a multiple-line

termination device required to terminate a single line or circuit at the premises. The NID features two independent chambers or divisions that separate the service provider's network from the End User's on-premises wiring. Each chamber or division contains the appropriate connection points or posts to which the service provider and the End User each make their connections. The NID provides a protective ground connection and is capable of terminating cables such as twisted pair cable.

2.4.1.1 When Z-Tel orders the loop with NIDs, BellSouth will provide both regardless of currently combined or not.

2.4.2. BellSouth shall permit Z-Tel to connect Z-Tel's loop facilities to on-premises wiring through the BellSouth NID or at any other technically feasible point.

2.4.3 Access to Network Interface Device (NID)

2.4.3.1. Due to the wide variety of NIDs utilized by BellSouth (based on subscriber size and environmental considerations), Z-Tel may access the on-premises wiring by any of the following means: BellSouth shall allow Z-Tel to connect its loops directly to BellSouth's multi-line residential NID enclosures that have additional space and are not used by BellSouth or any other telecommunications carriers to provide service to the premise. Z-Tel agrees to install compatible protectors and test jacks and to maintain the protection system and equipment and to indemnify BellSouth pursuant to Section 8 of the General Terms and Conditions of this Agreement.

2.4.3.2. Where an adequate length of on-premises wiring is present and environmental conditions permit, either Party may remove the on-premises wiring from the other Party's NID and connect that wire to that Party's own NID; or

2.4.3.3. Enter the subscriber access chamber or "side" of "dual chamber" NID enclosures for the purpose of extending a connecterized or spliced jumper wire from the on-premises wiring through a suitable "punch-out" hole of such NID enclosures; or

2.4.3.4. Request BellSouth to make other rearrangements (including moves) to the on-premises wiring terminations or terminal enclosure on a time and materials cost basis to be charged to the requesting Party (i.e., Z-Tel, its agent, the building owner or the subscriber), subject to technical feasibility and property owner approval. Such charges will be billed to the requesting Party.

2.4.3.5. In no case shall either Party remove or disconnect the other Party's loop facilities from either Party's NIDs, enclosures, or protectors, without state regulatory requirement, without providing prior notice to the other Party, and without appropriately capping off and guarding the other Party's loop. In such cases, it shall be the responsibility of the disconnecting party to properly ground the other party's

loop, maintain the NID, and assume full liability for its action and any adverse consequences.

2.4.3.6. In no case shall either Party remove or disconnect ground wires from BellSouth's NIDs, enclosures, or protectors.

2.4.3.7. In no case shall either Party remove or disconnect NID modules, protectors, or terminals from BellSouth's NID enclosures.

2.4.3.8. Due to the wide variety of NID enclosures and outside plant environments BellSouth will work with Z-Tel to develop specific procedures to establish the most effective means of implementing this Section, 2.4.3.

2.4.4 Technical Requirements

2.4.4.1 The NID shall provide an accessible point of interconnection and shall maintain a connection to ground.

2.4.4.2 The NID shall be capable of transferring electrical analog or digital signals between the subscriber's inside wiring and the Distribution Media and/or cross connect to Z-Tel's NID, consistent with the NID's function at the Effective Date of this Agreement.

2.4.4.3 Where a BellSouth NID exists, it is provided in its "as is" condition. Z-Tel may request BellSouth do additional work to the NID in accordance with Section 2.4.3.8.

2.4.4.4 When Z-Tel deploys its own local loops with respect to multiple-line termination devices, Z-Tel shall specify the quantity of NIDs connections that it requires within such device.

2.4.5 Interface Requirements

2.4.5.1 The NID shall be equal to or better than all of the requirements for NIDs set forth in the applicable industry standard technical references.

## 2.5 Unbundled Loop Concentration (ULC) System

2.5.1 BellSouth will provide to Z-Tel Unbundled Loop Concentration (ULC). Loop concentration systems in the central office concentrate the signals transmitted over local loops onto a digital loop carrier system. The concentration device is placed inside a BellSouth central office. BellSouth will offer ULC with a TR008 interface or a TR303 interface.

2.5.2 ULC will be offered in two sizes. System A will allow up to 96 BellSouth loops to be concentrated onto multiple DS1s. The high-speed connection from the concentrator will be at the electrical DS1 level and may connect to Z-Tel at Z-Tel's collocation site. System B will allow up to 192 BellSouth loops to be concentrated onto multiple DS1s. System A may be upgraded to a System B. A minimum of two DS1s is required for each system (i.e., System A requires two DS1s and System B would require an additional two DS1s or four in total). All DS1 interfaces will terminate to the CLEC's collocation space. ULC service is offered with or without concentration and with or without protection. A Line Interface element will be required for each loop that is terminated onto the ULC system. Rates for ULC are as set forth in this Attachment.

**2.6 Sub-loop Elements**

2.6.1 Where facilities permit and subject to applicable and effective FCC rules and orders, BellSouth shall offer access to its Unbundled Sub Loop (USL), Unbundled Subloop Concentration (USLC) System and Unbundled Network Terminating Wire (UNTW) elements. BellSouth shall provide non-discriminatory access, in accordance with 51.311, 51.319 and section 251(c) (3) of the Act, to the subloop. On an unbundled basis and pursuant to the following terms and conditions and the rates approved by the Commission and set forth in this Attachment.

2.6.2 Subloop components include but are not limited to the following:

2.6.2.1 Unbundled Sub-Loop Distribution;

2.6.2.2 Unbundled Sub-Loop Concentration/Multiplexing Functionality; and

2.6.2.3 Unbundled Network Terminating Wire; and

2.6.2.4 Unbundled Sub-Loop Feeder.

**2.6.3 Unbundled Sub-Loop (distribution facilities)**

2.6.3.1 Definition

2.6.3.2 Subject to applicable and effective FCC rules and orders, the unbundled sub-loop distribution facility is dedicated transmission facility that BellSouth provides from a customer's point of demarcation to a BellSouth cross-connect device. The BellSouth cross-connect device may be located within a remote terminal (RT) or a stand-alone cross-box in the field or in the equipment room of a building. There are two offerings available for Unbundled Sub-Loops (USL):

2.6.3.3 Unbundled Sub-Loop Distribution (USL-D) will include the sub-loop facility from the cross-box in the field up to and including the point of demarcation.

2.6.3.4 BellSouth will also provide sub-loop interconnection to the intrabuilding network cable (INC) (riser cable). INC is the distribution facility inside a subscriber's building or between buildings on one customer's same premises (continuous property not separated by a public street or road). USL-INC (riser cable) will include the facility from the cross-connect device in the building equipment room up to and including the point of demarcation.

2.6.4. Requirements for Unbundled Sub-Loop Distribution Facilities

2.6.4.1 Unbundled Sub-Loop distribution facilities were originally built as part of the entire voice grade loop from the BellSouth central office to the customer network interface. Therefore, the Unbundled Sub-Loop may have load coils, which are necessary for transmission of voice grade services. The Unbundled Sub-Loops will be provided in accordance with technical reference TR73600.

2.6.4.2 Unbundled Sub-Loop distribution facilities shall support functions associated with provisioning, maintenance and testing of the Unbundled Sub-Loop. In a scenario that involves connection at a BellSouth cross-box located in the field, Z-Tel would be required to deliver a cable to the BellSouth remote terminal or cross-box to provide continuity to Z-Tel's feeder facilities. This cable would be connected, by a BellSouth technician, to a cross-connect panel within the BellSouth RT/cross-box. Z-Tel's cable pairs can then be connected to BellSouth's USL within the BellSouth cross-box by the BellSouth technician. In a scenario that requires connection in a building equipment room, BellSouth will install a cross connect panel on which access to the requested sub-loops will be connected. The CLEC's cable pairs can then be connected to the Unbundled Sub-Loop pairs on this cross-connect panel by the BellSouth technician.

2.6.4.3 BellSouth will provide Unbundled Sub-Loops where possible. Through the firm order Service Inquiry (SI) process, BellSouth will determine if it is feasible to place the required facilities where Z-Tel has requested access to Unbundled Sub-Loops. If existing capacity is sufficient to meet the CLEC demand, then BellSouth will perform the set-up work as described in the next section 2.6.4.4 . If any work must be done to modify existing BellSouth facilities or add new facilities (other than adding the cross-connect panel in a building equipment room as noted in 2.6.4.4) to accommodate Z-Tel's request for Unbundled Sub-Loops, BellSouth will use its Special Construction (SC) process to determine the additional costs required to provision the Unbundled Sub-Loops. Z-Tel will then have the option of paying the one-time SC charge to modify the facilities to meet Z-Tel's request.

2.6.4.4 During the initial set-up in a BellSouth cross-connect box in the field, the BellSouth technician will perform the necessary work to splice the CLEC's cable into the cross-connect box. For the set-up inside a building equipment room, BellSouth will perform the necessary work to install the cross-connect panel that will be used to provide access to the requested USLs. Once the set-up is complete, the CLEC requested sub-loop pairs would be provisioned through the service order process based on the submission of a LSR to the LCSC.

2.6.5 Interface Requirements

2.6.5.1 Unbundled Sub-Loop shall be equal to or better than each of the applicable requirements set forth in the applicable industry standard technical references.

2.6.6 **Unbundled Sub-Loop Concentration System (USLC)**

2.6.6.1 Where facilities permit and where necessary to comply with an effective Commission order, BellSouth will provide to Z-Tel with the ability to concentrate its sub-loops onto multiple DS1s back to the BellSouth Central Office. The DS1s will then be terminated into Z-Tel's collocation space. TR-008 and TR303 interface standards are available.

2.6.6.2 USLC, using the Lucent Series 5 equipment, will be offered in two different systems. System A will allow up to 96 of Z-Tel's sub-loops to be concentrated onto multiple DS1s. System B will allow an additional 96 of Z-Tel's sub-loops to be concentrated onto multiple DS1s. One System A may be supplemented with one System B and they both must be physically located in a single Series 5 dual channel bank. A minimum of two DS1s is required for each system (i.e., System A requires two DS1s and System B would require an additional two DS1s or four in total). The DS1 level facility that connects the RT site with the serving wire center is known as a Feeder Interface. All DS1 Feeder Interfaces will terminate to the CLEC's collocation space within the SWC that serves the RT where the CLEC's sub-loops are connected. USLC service is offered with or without concentration and with or without a protection DS1.

2.6.6.3 In these scenarios Z-Tel would be required to place a cross-box, remote terminal (RT), or other similar device and deliver a cable to the BellSouth remote terminal. This cable would be connected, by a BellSouth technician, to a cross-connect panel within the BellSouth RT/cross-box and would allow Z-Tel's sub-loops to then be placed on the ULSC and transported to their collocation space at a DS1 level.

**2.6.7 Unbundled Network Terminating Wire (UNTW)**

2.6.7.1 BellSouth agrees to offer its Unbundled Network Terminating Wire (UNTW) to Z-Tel pursuant to the following terms and conditions at rates as set forth in this Attachment.

2.6.7.2 Definition

2.6.7.2.1 Subject to applicable and effective FCC rules and orders, UNTW is a dedicated transmission facility that BellSouth provides from the Wiring Closet /Garden Terminal (or other type of cross-connect point) at the point of termination of BellSouth's loop distribution facilities to the end user's point of demarcation.

2.6.7.3 Requirements

2.6.7.3.1 BellSouth will offer spare pairs that are available to an end user's premises to Z-Tel. Available spare pairs are defined as pairs that are not being utilized by BellSouth or by a third party to provide an end user with working service at the time of Z-Tel's request for UNTW. If no spare pairs are available and the end user is no longer using BellSouth's local service, BellSouth will relinquish the first pair to Z-Tel. If after BellSouth has relinquished the first pair to Z-Tel and the end user decides to change local service providers to BellSouth, Z-Tel will relinquish the first pair back to BellSouth.

2.6.7.3.2 Notwithstanding the foregoing, should BellSouth subsequently require the use of additional pair(s) to provide for the activation of additional lines in an end users premises in response to a request from such end user, Z-Tel agrees to surrender their spare pair(s) upon request by BellSouth.

2.6.7.3.3 If an end user of Z-Tel desires to receive local exchange service from a service provider who is not a Party to this Agreement, and such third party service provider needs access to the BellSouth UNTW to provide local exchange service to the end user, then Z-Tel agrees to surrender the requisite number of its inactive spare pair(s), purchased from BellSouth and excluding any pairs Z-Tel may have installed itself, if no other spare pair is available and upon request by BellSouth.

2.6.7.3.4 If Z-Tel has placed NTW at a location and an end user desires to receive local exchange service from BellSouth and BellSouth needs access to Z-Tel's NTW to provide local exchange service to the end user, then Z-Tel agrees to surrender the requisite number of its spare pair(s) upon request by BellSouth, at rates to be negotiated by the Parties.

2.6.7.3.5 In new construction, where possible, both Parties may at their option and with the property owner's agreement install their own NTW. In existing construction, BellSouth shall not be required to install new or additional NTW beyond existing NTW to provision the services of the CLEC.

2.6.8 Technical Requirements

2.6.8.1 In these scenarios, BellSouth will connect the requested UNTW pairs to a single point of interconnection (SPOI) designed for CLEC access to BellSouth's NTW. The SPOI will be installed either near BellSouth's garden terminal or wiring closet. Z-Tel will be required to place a cross-box, terminal or other similar device and deliver a cable to this SPOI. Z-Tel will then connect their cable to the cross-connect panel to access the requested UNTW pairs.

**2.6.9 Unbundled Sub-Loop Feeder**

2.6.9.1 Definition

2.6.9.2 Unbundled Sub-Loop Feeder (USLF) provides connectivity between BellSouth's central office and its cross-box (or other access point) that serves an end user location.

2.6.9.3 USLF is intended to be utilized for voice traffic and can be configured as a 2-wire voice (USLF-2 W/V) or 4-wire voice (USLF-4W/V).

2.6.9.4 USLF can also be utilized for digital traffic and can be configured as a 2-wire ISDN (USLF-2W/I); 2-wire Copper (USLF-2W/C); 4-wire Copper (USLF-4W/C) facilities: 4-wire DS0 level loop (USLF-4W/D00; or 4-wire DS1 & ISDN (USLF-2W/DI).

2.6.9.5 USLF will provide the facilities needed to provision a 2W or 4W communications pathway from the BellSouth central office to the BellSouth cross-box. This element will allow for the connection of the Z-Tel's loop distribution elements onto BellSouth's feeder system.

2.6.9.6 Requirements

2.6.9.6.1 Z-Tel will extend its compatible cable to BellSouth's cross-box. The cable will then be connected to a panel inside the BellSouth cross-box to the requested level of feeder element. In those cases when there is no room in the BellSouth cross-box to accommodate the additional cross-connect panels mentioned above, BellSouth will utilize its Special Construction process to determine the costs to provide the sub-loop feeder element to Z-Tel. Z-Tel will then have the option of paying the special construction charges or canceling the order.

2.6.9.6.2 USLF will be a designed circuit and BellSouth will provide a Design Layout Record (DLR) for this element.

2.6.9.6.3 BellSouth will provide the USLF elements in accordance with applicable industry standards for these types of facilities. Where industry standards do not exist, BellSouth's TR 73600 will be used to determine performance parameters.

**2.7 Dark Fiber**

2.7.1 Definition

Dark Fiber is optical transmission facilities without attached multiplexing, aggregation or other electronics that connects two points within BellSouth's network.

Dark Fiber also includes strands of optical fiber existing in aerial or underground cable which may have lightwave repeater (regenerator or optical amplifier) equipment interspliced to it at appropriate distances, but which has no line terminating elements terminated to such strands to operationalize its transmission capabilities.

2.7.2 Requirements

2.7.2.1 BellSouth shall make available Dark Fiber where it exists in BellSouth's network and where, as a result of future building or deployment, it becomes available. If BellSouth has plans contained within a planning document, at the time of Z-Tel's request, to use the fiber within a two –year planning period (three years in Kentucky), there is no requirement to provide said fiber to Z-Tel.

2.7.2.2 If the requested dark fiber has any lightwave repeater equipment interspliced to it, BellSouth will remove such equipment at Z-Tel's request subject to time and materials charges.

2.7.2.3 Z-Tel may test the quality of the Dark Fiber to confirm its usability and performance specifications.

2.7.2.4 BellSouth shall use its best efforts to provide to Z-Tel information regarding the location, availability and performance of Dark Fiber within ten (10) business days for a records based answer and twenty (20) business days for a field based answer, after receiving a request from Z-Tel ("Request"). Z-Tel will request Dark Fiber on an originating end to terminating end basis, and not be required to specify intermediate points between the two ends. Within such time period, BellSouth shall send written confirmation of availability of the Dark Fiber ("Confirmation"), and shall check all reasonable routes between the originating and terminating ends when checking for availability. From the time of the Request to forty-five (45) days after Confirmation, BellSouth shall hold such requested Dark Fiber for Z-Tel's use and may not allow any other party to use such media, including BellSouth.

2.7.2.5 BellSouth shall use its best efforts to make Dark Fiber available to Z-Tel within thirty (30) business days after it receives written confirmation from Z-Tel that the Dark Fiber previously deemed available by BellSouth is wanted for use by Z-Tel. This includes identification of appropriate connection points (e.g., Light Guide Interconnection (LGX) or splice points) to enable Z-Tel to connect or splice Z-Tel provided transmission media (e.g., optical fiber) or equipment to the Dark Fiber.

2.7.2.6 Dark Fiber shall meet the manufacturer's design specifications

2.7.2.7 Z-Tel may splice and test Dark Fiber obtained from BellSouth using Z-Tel or Z-Tel designated personnel. BellSouth shall provide appropriate interfaces to allow splicing and testing of Dark Fiber. BellSouth shall provide an accessible length of 25 feet

minimum (for fiber in underground conduit) to allow the uncoiled fiber to reach from the manhole to a splicing van.

**2.8 Rates**

The prices that Z-Tel shall pay to BellSouth for Network Elements and Other Services are set forth in Exhibit C to this Attachment.

**2.9 Operational Support Systems (OSS)**

BellSouth has developed and made available the following mechanized systems by which Z-Tel may submit LSRs electronically.

| | |
|---|---|
| LENS | Local Exchange Navigation System |
| EDI | Electronic Data Interchange |
| TAG | Telecommunications Access Gateway |

2.9.1 LSRs submitted by means of one of these interactive interfaces will incur an OSS electronic ordering charge as specified in the table below. An individual LSR will be identified for billing purposes by its Purchase Order Number (PON). LSRs submitted by means other than one of these interactive interfaces (mail, fax, courier, etc.) will incur a manual order charge as specified in the table below. In lieu of manual OSS charges, electronic charges shall apply to local service requests submitted when BellSouth's existing electronic interfaces regularly utilized by Z-Tel are unavailable for reasons other than scheduled maintenance or other scheduled activities for which advance notification is provided.

| OPERATIONAL SUPPORT SYSTEMS | AL, GA, LA, MS, SC | FL, KY, NC, TN |
|---|---|---|
| OSS LSR charge, per LSR received from the CLEC by one of the OSS interactive interfaces | $3.50<br><br>SOMEC | $3.50<br><br>SOMEC |
| Incremental charge per LSR received from the CLEC by means other than one of the OSS interactive interfaces | See applicable rate element | $19.99<br><br>SOMAN |

2.9.2 Denial/Restoral OSS Charge

In the event Z-Tel provides a list of customers to be denied and restored, rather than an LSR, each location on the list will require a separate PON and, therefore will be billed as one LSR per location.

2.9.3 Cancellation OSS Charge

Z-Tel will incur an OSS charge for an accepted LSR that is later canceled by Z-Tel.

Note: Supplements or clarifications to a previously billed LSR will not incur another OSS charge.

2.9.4 Network Elements and Other Services Manual Additive

2.9.4.1 The Commissions in some states have ordered per-element manual additive non-recurring charges (NRC) for Network Elements and Other Services ordered by means other than one of the interactive interfaces. These ordered Network Elements and Other Services manual additive NRCs will apply in these states, rather than the charge per LSR. The per-element charges are listed on the Rate Tables in Exhibit A.

## 2.10 Preordering Loop Makeup (LMU)

2.10.1 Description of Service

BellSouth shall make available to Z-Tel loop makeup (LMU) data for BellSouth's network facilities. This section addresses LMU as a *preordering* transaction, distinct from Z-Tel ordering any other service(s). *Service inquiries (SI) for preordering loop makeup* are likewise unique from other preordering functions with associated service inquiries.

BellSouth will provide Z-Tel with loop makeup information consisting of the composition of the loop material (copper/fiber); the existence, location and type of equipment on the loop, including but not limited to digital loop carrier or other remote concentration devises, feeder/distribution interfaces, bridge taps, load coils, pair-gain devices; the loop length; and the wire gauge. The LMU shall be utilized by Z-Tel for the purpose of determining whether the loop requested is capable of supporting DSL service or other advanced data services. The determination shall be made solely by Z-Tel and BellSouth shall not be liable in any way for the performance of the advanced data services provisioned over said loop.

BellSouth's LMU is provided to Z-Tel as it exists either in BellSouth's databases or in its hard copy facility records. BellSouth does not guarantee accuracy or reliability of the LMU provided.

Targeted deployment of this service commences in the month of July, 2000.

2.10.2 Submitting Service Inquiries

Z-Tel will be able to obtain LMU by submitting a SI mechanically or manually. **Mechanized** LMU Inquiries should be submitted through BellSouth's Operational

Support Systems interfaces. After obtaining the resulting loop data from the mechanized SI process, if Z-Tel determines that it needs further loop data information in order to make a determination of loop service capability, Z-Tel may initiate a separate manual SI for a separate nonrecurring charge as set forth in Attachment 2, Section 1.3.

**Manual** inquiries shall be submitted on the preordering manual SI form by means of fax or electronic-mail to BellSouth's Complex Resale Support Group (CRSG)/Account Team utilizing the Preordering Loop Makeup Service Inquiry form. The standard service interval for the return of a Loop Makeup Manual Service Inquiry is seven business days. This service interval is distinct from the interval applied to the subsequent service order. Manual SIs are not subject to expedite requests.

2.10.3.1 Service Inquiry Types & Associated Charges

Z-Tel may request LMU by submitting SIs in accordance with the rate elements listed below.

| LOOP MAKEUP SERVICE INQUIRIES | USOC | All States |
|---|---|---|
| MANUAL | | |
| Loop Makeup - Preordering Without Reservation, per working facility queried (Manual) | UMKLW | $134 |
| Loop Makeup - Preordering Without Reservation, per spare facility queried (Manual) *Maximum number of spare facilities per manual SI for LMU is (3).]* | UMKLW | $134 |
| Loop Makeup - Preordering With Reservation, per spare facility queried (Manual) *Maximum number of spare facilities per manual SI for LMU is (3).]* | UMKLP | $140 |
| MECHANIZED | | |
| Loop Makeup - Preordering Without Reservation, per working facility queried (Mechanized) | *TBD* | $1.08 |
| Loop Makeup - Preordering Without Reservation, per spare facility queried (Mechanized) *Maximum number of spare facilities per mechanized SI for LMU is (10).]* | *TBD* | $1.08 |
| Loop Makeup - Preordering Without Reservation, per spare facility queried (Mechanized) *Maximum number of spare facilities per mechanized SI for LMU is (10).]* | *TBD* | $1.08 |

Z-Tel will be assessed a nonrecurring charge for each facility queried as specified in the table above. All SIs submitted by means other than electronic interactive interfaces (mail, fax, email, courier, etc.) will incur manual preorder charges. Rates for all states are interim and subject to true-up pending approval of final rates by the

respective State Commissions. True-ups will be retroactive to the first date Loop Makeup services are requested by Z-Tel.

Reserved facilities for which Z-Tel does not plan to place a UNE service order should be cancelled by Z-Tel. Should Z-Tel wish to cancel a reservation on a spare facility, the cancellation will require the RESID/FRN.

The reservation holding timeframe is a maximum of four days from the time that BellSouth's LMU data is returned to Z-Tel for the facility 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.

If Z-Tel does not submit an LSR for a UNE service order on a reserved facility within the four-day reservation timeframe, the reservation of that spare facility will become invalid and the facility will be released.

Charges for preordering LMU are separate from any charges associated with ordering other services from BellSouth.

2.10.4 Ordering of Other UNE Services

Whenever Z-Tel has reserved a facility through BellSouth's preordering LMU service, should Z-Tel seek to place a subsequent UNE service order on that reserved facility, Z-Tel shall provide BellSouth the RESID/FRN of the single spare facility on the appropriate UNE service order. When Z-Tel places a separate order for a UNE after it has requested *preordering LMU with a reservation,* Z-Tel will be billed the appropriate rate element for the specific type UNE loop ordered by Z-Tel so that Z-Tel will not incur double charges for loop makeup. Should Z-Tel choose to place a UNE service order having previously submitted a request for *preordering LMU without a reservation*, additional loop makeup charges will apply as part of BellSouth's provisioning of the UNE service ordered by Z-Tel. Rates are provided in the UNE Rate Exhibits for Attachment 2.

For any reserved facilities used in the placement of UNE service orders, BellSouth will use its best efforts to assign to Z-Tel the facility reserved as indicated on the return of the LMU. Multi-facility reservations per single RESID/FRN as provided with the mechanized process are less likely to result in the specific assignment requested by Z-Tel. For those occasions when BellSouth's assignment system cannot assign the specific facility of preferred loop makeup as reserved by Z-Tel during the LMU pre-ordering transaction, BellSouth will assign Z-Tel a facility that meets the BellSouth technical standards of the BellSouth type loop as ordered by Z-Tel.

BellSouth has provided this LMU service to allow Z-Tel the opportunity and responsibility of determining the qualification for itself of BellSouth's loops for the specific services that Z-Tel wishes to provide over certain loops. BellSouth further recognizes that Z-Tel may choose to use equipment that it deems will enable it to provide a certain type and level of service over a particular BellSouth loop; however, such configurations may not match BellSouth's standards and specifications for the intended type and level of service. Accordingly, Z-Tel shall be responsible for insuring that the specific loop type (ADSL, HDSL, or otherwise) ordered on the LSR matches the specifications of the facility for which pre-order LMU with RESID/FRN has been requested. Z-Tel bears full responsibility for being knowledgeable of BellSouth's technical standards and the specifications of BellSouth's loops. Z-Tel bears full responsibility for making the appropriate ordering decisions of matching BellSouth loops with Z-Tel's equipment for accomplishing Z-Tel's end goal for the intended service it wishes to provide its end-user(s). Z-Tel is fully responsible for any of its service configurations that may differ from BellSouth's technical standard for that service.

## 2.11 General Terms and Conditions Relating to Unbundled xDSL-Capable Loops

2.11.1 DEFINITIONS:

2.11.1.1. A loop technology that is "presumed acceptable for deployment" is one that either complies with existing industry standards, has been successfully deployed by any carrier in any state without significantly degrading the performance of other services, or has been approved by the FCC, any state Commission, or an industry standards body.

2.11.1.2. A "non-standard xDSL-based technology" is a loop technology that is not presumed acceptable for deployment under Section 2.11.1.1 above.

2.11.1.3. "Continuity" shall be defined as an uninterrupted transmission path from a Main Distribution Frame ("MDF") or its equivalent to an end user termination which meets the performance characteristics of TR73600 for the loop requested.

2.11.1.4. "Additional Acceptance Testing" shall be defined as testing not considered to be part of the normal testing and turn up activities performed by a BellSouth technician to verify the performance characteristics of the loop as outlined in TR73600. At a minimum, normal testing includes providing a short and open on the line to allow the Z-Tel to perform acceptance testing. In addition, normal testing is testing that can be completed within 15 minutes of notification to the Z-Tel that the service is ready for acceptance testing.

**2.11.1.5.** "Cooperative Acceptance Testing" shall be defined as the joint testing between BellSouth's Technician, its Local Operations Center ("LOC") if necessary, and the Z-Tel's designated test representative for the purpose of verifying Continuity as more specifically described in Section 2.11.3.

**2.11.2 Deployment Conditions for xDSL-Capable Loops**

2.11.2.1. BellSouth shall not deny Z-Tel's request to deploy any loop technology that is presumed acceptable for deployment unless BellSouth demonstrates to the state Commission in accordance with FCC orders that Z-Tel's deployment of the specific loop technology will significantly degrade the performance of other advanced services or traditional voice band services.

2.11.2.2. In the event the Z-Tel wishes to introduce a technology that has been approved by another state commission or the FCC, or successfully deployed elsewhere, the Z-Tel will provide documentation describing that action to BellSouth and the state Commission before or at the time of its request to deploy such technology within BellSouth. The documentation shall include the date of approval or deployment, any limitations included in its deployment, and a sworn attestation that the deployment did not significantly degrade the performance of other services.

2.11.2.3. Z-Tel has the option of collocating a DSLAM in BellSouth's Remote Terminal ("RT") at the fiber/copper interface point, pursuant to remote terminal collocation terms and conditions, to be separately negotiated by the Parties. When Z-Tel collocates its DSLAM at BellSouth RTs, BellSouth will provide Z-Tel with unbundled access to subloops to allow Z-Tel to access the copper wire portion of the loop.

2.11.2.4. BellSouth shall provide nondiscriminatory access to unbundled packet switching capability only where each of the following conditions are satisfied:

(i) BellSouth has deployed digital loop carrier systems, including but not limited to, integrated digital loop carrier or universal digital loop carrier systems; or has deployed any other system in which fiber optic facilities replace copper facilities in the distribution section (e.g., end office to remote terminal, pedestal or environmentally controlled vault);

(ii) There are no spare copper loops capable of supporting the xDSL services Z-Tel seeks to offer;

(iii) BellSouth has not permitted a requesting carrier to deploy a Digital Subscriber Line Access Multiplexer at the remote terminal, pedestal or environmentally controlled vault or other interconnection point, nor has Z-Tel obtained a virtual collocation arrangement at these subloop interconnection points as defined by § 51.319(b), and

(iv) BellSouth has deployed packet switching capability for its own use.

2.11.3 ACCEPTANCE TESTING AND COOPERATIVE TESTING

2.11.3.1. BellSouth will dispatch a technician to provide a short on the loop to allow Z-Tel to test the loop in any manner they require. Normal acceptance testing is not billable in those instances where a new Loop is being installed and where BellSouth determines a dispatch is required. Z-Tel may request a dispatch to perform testing that BellSouth determines is not required for provisioning the service but will be charged for additional labor and or additional cooperative acceptance testing as outlined in the FCC #1 tariff. BellSouth and Z-Tel will mutually agree on a scheduled date and time for this additional testing to occur. BellSouth will call Z-Tel with the technician on the line to perform the above mentioned tests and Z-Tel will within 15 minutes begin testing with the technician. If the above testing does not require additional charges as provided for in this paragraph, the BellSouth technician will not test with Z-Tel for a period to exceed 15 minutes or unless agreed to by BellSouth without occurring additional charges as outlined in FCC tariff #1. BellSouth shall only be obligated to maintain copper continuity and provide balance relative to tip and ring on the loop or as outlined in TR73600 for the loop being provisioned or as provided for in Attachment 2 of this agreement including but not limited to "Loop Modification."

2.11.3.2. BellSouth and Z-Tel agree to implement Acceptance Testing as provided for in this attachment during the provisioning cycle for xDSL loop delivery. When BellSouth provides High Frequency Spectrum, continuity is generally assumed as BellSouth retail POTS service is operating at the time of the order. Therefore, acceptance testing is unnecessary. Generally, BellSouth would not dispatch to provision High Frequency Spectrum, thus would not have a technician at the customer site to perform an acceptance test.

2.11.3.3. Upon delivery of the loop BellSouth will contact Z-Tel via a toll free number to provide notification of the completion of the loop and where required, provide acceptance testing as provided for in this agreement.

2.11.3.4. Z-Tel may provide BellSouth with a confirmation number signifying the acceptance of the loop by Z-Tel.

2.11.3.5. If Z-Tel is not available to perform acceptance testing at the time of loop turn up by BellSouth then Z-Tel may request and BellSouth, if mutually agreed to, will require the BellSouth technician to standby. Z-Tel would then be required to pay standby charges as provided for in FCC#1

2.11.3.6. If BellSouth is unable to contact a Z-Tel employee to perform acceptance testing at the time of loop turn up ( placed on hold for more than 5 minutes, reaches voice mail or other recording, no answer or repeated busy conditions) , BellSouth will test the loop to ensure the loop is provisioned according to requirements of TR73600 for the type of loop requested by Z-Tel. BellSouth will complete the local service request without obtaining a confirmation number from Z-Tel and will have no further obligation to perform normal acceptance testing of the provisioned loop.

2.11.3.7. If the Acceptance Test fails loop Continuity Test parameters, as defined by this Attahcment for DSL loops, the BellSouth technician will take any or all reasonable steps, if possible, to immediately resolve the problem with Z-Tel on the line including, but not limited to, calling the central office to perform work or troubleshooting for physical faults. If the problem cannot be resolved in an expedient manner, the technician will release the Z-Tel representative, and perform the work necessary to correct the situation. Once the loop is correctly provisioned, BellSouth will re-contact the Z-Tel representative to repeat the Acceptance Test.

2.11.3.8. Both Parties declare they will work together, in good faith, to implement Acceptance Testing procedures that are efficient and effective. If the Parties mutually agree to additional testing, procedures and/or standards not covered by this Appendix or any Public Utilities Commission or FCC ordered tariff, the Parties will negotiate terms and conditions to implement such additional testing, procedures and/or standards. Additional charges may apply if any accepted changes in Acceptance Testing procedures require additional time and/or expense.

2.11.3.9. BellSouth will not bill for loop repairs when the repair resulted from a BellSouth problem.

## 2.11.4 SPECTRUM MANAGEMENT

2.11.4.1. In all cases, BellSouth will manage the spectrum in a competitively neutral manner consistent with all relevant industry standards and FCC orders regardless of whether the service is provided by a Z-Tel or by BellSouth, as well as competitively neutral as between different xDSL services. Where disputes arise, BellSouth and Z-Tel will put forth a good faith effort to resolve such disputes in a timely manner.

2.11.4.2. In the event that the FCC or a recognized industry standards body (e.g. ANSI T1E1.4) establishes long-term standards and practices and policies relating to spectrum compatibility and spectrum management that differ from those established in this Appendix, BellSouth and Z-Tel agree to comply with the FCC and/or

industry standards, practices and policies and will establish a mutually agreeable transition plan and timeframe for achieving and implementing such industry standards, practices and policies.

## 3. Switching

All of the negotiated rates, terms and conditions set forth in this Section pertain to the provision of local and tandem switching.

### 3.1 Local Switching

BellSouth shall provide non-discriminatory access to local circuit switching capability, and local tandem switching capability, on an unbundled basis, except as set forth below in Section 3.1.3 to Z-Tel for the provision of a telecommunications service. BellSouth shall provide non-discriminatory access to packet switching capability on an unbundled basis to Z-Tel for the provision of a telecommunications service only in the limited circumstance described below in Section 3.3.4.6.

3.1.1. Except as otherwise provided herein, BellSouth shall not impose any restrictions on Z-Tel regarding the use of Switching Capabilities purchased from BellSouth provided such use does not result in demonstrable harm to either the BellSouth network or personnel or the use of the BellSouth network by BellSouth or any other telecommunication carrier.

3.1.2. Local Circuit Switching Capability, including Tandem Switching Capability

3.1.2.1 Definition

Local Circuit Switching Capability is defined as: (A) line-side facilities, which include, but are not limited to, the connection between a loop termination at a main distribution frame and a switch line card; (B) trunk-side facilities, which include, but are not limited to, the connection between trunk termination at a trunk-side cross-connect panel and a switch trunk card; and (C) All features, functions, and capabilities of the switch, which include, but are not limited to: (1) the basic switching function of connecting lines to lines, line to trunks, trunks to lines, and trunks to trunks, as well as the same basic capabilities made available to BellSouth's customers, such as a telephone number, white page listings, and dial tone; and (2) all other features that the switch is capable of providing, including but not limited to customer calling, customer local area signaling service features, and Centrex, originating and terminating access, as well as any technically feasible customized routing functions provided by the switch; (D) switching provided by remote switching modules.

3.1.2.2 When utilizing BellSouth's local circuit switching capability, local traffic shall be defined as set forth in Part B of the General Terms and Conditions.

3.1.3 In accordance with effective and applicable FCC rules, BellSouth shall not be required to provide circuit switching as an unbundled network element in density Zone 1, as defined in 47 CFR 69.123 as of January 1, 1999 of the Atlanta, GA; Miami, FL; Orlando, FL; Ft. Lauderdale, FL; Charlotte-Gastonia-Rock Hill, NC; Greensboro-Winston Salem-High Point, NC; Nashville, TN; and New Orleans, LA, MSAs to Z-Tel if Z-Tel's customer has 4 or more DS0 equivalent lines.

3.1.4 In the event that Z-Tel orders local circuit switching for a single end user account name at a single physical end user location with four (4) or more two (2) wire voice-grade loops from a BellSouth central office listed on Exhibit A, BellSouth's sole recourse shall be to charge Z-Tel a rate to be negotiated for use of the local circuit switching functionality for the affected facilities, or in the alternative, to charge Z-Tel the local services resale rate for use of all Combinations used to provide the affected facilities to Z-Tel.

3.1.5 A featureless port is one that has a line port, switching facilities, and an interoffice port. A featured port is a port that includes all features then capable or a number of then capable features specifically requested by Z-Tel. Any features that are not currently then capable but are technically feasible through the switch can be requested through the BFR process.

3.1.6 BellSouth will provide to Z-Tel customized routing of calls: (i) to a requested directory assistance services platform; (ii) to an operator services platform pursuant to Section 10 of Attachment 2; (iii) for Z-Tel's PIC'ed toll traffic in a two (2) PIC environment to an alternative OS/DA platform designated by Z-Tel. Z-Tel customers may use the same dialing arrangements as BellSouth customers.

3.1.7 Remote Switching Module functionality is included in Switching Capability. The switching capabilities used will be based on the line side features they support.

3.1.8 Switching Capability will also be capable of routing local, intraLATA, interLATA, and calls to international customer's preferred carrier; call features (e.g. call forwarding) and Centrex capabilities.

3.1.10 Where required to do so in order to comply with an effective Commission order, BellSouth will provide to Z-Tel purchasing local BellSouth switching and reselling BellSouth local exchange service under Attachment 1, selective routing of calls to a requested directory assistance services platform or operator services platform. Z-Tel

customers may use the same dialing arrangements as BellSouth customers, but obtain a Z-Tel branded service.

3.2 Technical Requirements

3.2.1 The requirements set forth in this Section apply to Local Switching (e.g. circuit switched traffic), but not to the Data Switching (e.g. packet switched) function of Local Switching.

3.2.1.1 Local Switching shall be equal to or better than the requirements for Local Switching set forth in the applicable industry standard technical references.

3.2.1.2 When applicable, BellSouth shall route calls to the appropriate trunk or lines for call origination or termination.

3.2.1.3 Subject to this section, BellSouth shall route calls on a per line or per screening class basis to (1) BellSouth platforms providing Network Elements or additional requirements (2) Operator Services platforms, (3) Directory Assistance platforms, and (4) Repair Centers. Any other routing requests by Z-Tel will be made pursuant to the Bona Fide Request/ New Business Request Process as set forth in General Terms and Conditions.

3.2.1.4 BellSouth shall provide unbranded recorded announcements and call progress tones to alert callers of call progress and disposition.

3.2.1.5 BellSouth shall activate service for an Z-Tel customer or network interconnection on any of the Local Switching interfaces. This includes provisioning changes to change a customer from BellSouth's services to Z-Tel's services without loss of switch feature functionality as defined in this Agreement.

3.2.1.6 BellSouth shall perform routine testing (e.g., Mechanized Loop Tests (MLT) and test calls such as 105, 107 and 108 type calls) and fault isolation on a mutually agreed upon schedule. For loop/port combinations that are telephone number formatted, BellSouth will provide Z-Tel with the ability to perform MLT tests directly on switch ports purchased by Z-Tel, via the TAFFI or ECTA as described in Attachment 6.

3.2.1.7 BellSouth shall repair and restore any equipment or any other maintainable component that may adversely impact Local Switching.

3.2.1.8 BellSouth shall control congestion points such as those caused by radio station call-ins, and network routing abnormalities. All traffic shall be restricted in a non-discriminatory manner.

3.2.1.9 BellSouth shall perform manual call trace and permit customer originated call trace.

3.2.1.10 Special Services provided by BellSouth will include the following:

3.2.1.10.1 Telephone Service Prioritization;

3.2.1.10.2 Related services for handicapped;

3.2.1.10.3 Soft dial tone where required by law; and

3.2.1.10.4 Any other service required by law.

3.2.1.11 BellSouth shall provide Switching Service Point (SSP) capabilities and signaling software to interconnect the signaling links destined to the Signaling Transfer Point Switch (STPS). These capabilities shall adhere to the technical specifications set forth in the applicable industry standard technical references.

3.2.1.12 BellSouth shall provide interfaces to adjuncts through Telcordia (formerly BellCore) standard interfaces. These adjuncts can include, but are not limited to, the Service Circuit Node and Automatic Call Distributors.

3.2.1.13 BellSouth shall provide performance data regarding a customer line, traffic characteristics or other measurable elements to Z-Tel, upon a reasonable request from Z-Tel. CLEC will pay BellSouth for all costs incurred to provide such performance data through the Business Opportunity Request process.

3.2.1.14 BellSouth shall offer Local Switching that provides feature offerings at parity to those provided by BellSouth to itself or any other Party. Such feature offerings shall include but are not limited to:

3.2.1.14.1 Basic and primary rate ISDN;

3.2.1.14.2 Residential features;

3.2.1.14.3 Customer Local Area Signaling Services (CLASS/LASS);

3.2.1.14.4 CENTREX (including equivalent administrative capabilities, such as customer accessible reconfiguration and detailed message recording); and

3.2.1.14.5 Advanced intelligent network triggers supporting Z-Tel and BellSouth service applications.

3.2.2

3.2.3 BellSouth shall offer to Z-Tel all AIN triggers in connection with its SMS/SCE offering which are supported by BellSouth for offering AIN-based services. Triggers that are currently available are:

3.2.3.1 Off-Hook Immediate

3.2.3.2 Off-Hook Delay

3.2.3.3 Termination Attempt

3.2.3.4 6/10 Public Office Dialing Plan

3.2.3.5 Feature Code Dialing

3.2.3.6 Customer Dialing Plan

3.2.4 When the following triggers are supported by BellSouth, BellSouth will make these triggers available to Z-Tel:

3.2.4.1 Private EAMF Trunk

3.2.4.2 Shared Interoffice Trunk (EAMF, SS7)

3.2.4.3 N11

3.2.4.4 Automatic Route Selection

3.2.5 Where capacity exists, BellSouth shall assign each Z-Tel customer line the class of service designated by Z-Tel (e.g., using line class codes or other switch specific provisioning methods), and shall route directory assistance calls from Z-Tel customers to Z-Tel directory assistance operators at Z-Tel's option.

3.2.6 Where capacity exists, BellSouth shall assign each Z-Tel customer line the class of services designated by Z-Tel (e.g., using line class codes or other switch specific provisioning methods) and shall route operator calls from Z-Tel customers to Z-Tel operators at Z-Tel's option. For example, BellSouth may translate 0- and 0+ intraLATA traffic, and route the call through appropriate trunks to an Z-Tel Operator Services Position System (OSPS). Calls from Local Switching must pass the ANI-II digits unchanged.

3.2.7 Local Switching shall be offered in accordance with the requirements of the following technical references:

3.2.7.1 Telcordia (formerly BellCore) GR-1298-CORE, AIN Switching System Generic Requirements, as implemented in BellSouth's switching equipment;

3.2.7.2 Telcordia (formerly BellCore) GR-1299-CORE, AIN Switch-Service Control Point (SCP)/Adjunct Interface Generic Requirements;

3.2.7.3 Telcordia (formerly BellCore) TR-NWT-001284, AIN 0.1 Switching System Generic Requirements;

3.2.7.4 Telcordia (formerly BellCore) SR-NWT-002247, AIN Release 1 Update.

3.2.8 Interface Requirements

3.2.8.1 BellSouth shall provide the following interfaces to loops:

3.2.8.1.1 Standard Tip/Ring interface including loopstart or groundstart, on-hook signaling (e.g., for calling number, calling name and message waiting lamp);

3.2.8.1.2 Coin phone signaling;

3.2.8.1.3 Basic Rate Interface ISDN adhering to appropriate Telcordia (formerly BellCore) Technical Requirements;

3.2.8.1.4 Two-wire analog interface to PBX;

3.2.8.1.5 Four-wire analog interface to PBX;

3.2.8.1.6 Four-wire DS1 interface to PBX or customer provided equipment (e.g. computers and voice response systems);

3.2.8.1.7 Primary Rate ISDN to PBX adhering to ANSI standards Q.931, Q.932 and appropriate Telcordia (formerly BellCore) Technical Requirements;

3.2.8.1.8 Switched Fractional DS1 with capabilities to configure Nx64 channels (where N = 1 to 24); and

3.2.8.1.9 Loops adhering to Telcordia (formerly BellCore) TR-NWT-08 and TR-NWT-303 specifications to interconnect Digital Loop Carriers.

3.2.8.2 BellSouth shall provide access to the following but not limited to:

3.2.8.2.1 SS7 Signaling Network or Multi-Frequency trunking if requested by Z-Tel;

3.2.8.2.2 Interface to Z-Tel operator services systems or Operator Services through appropriate trunk interconnections for the system; and

3.2.8.2.3 Interface to Z-Tel Directory Assistance Services through the Z-Tel switched network or to Directory Assistance Services through the appropriate trunk interconnections for the system; and 950 access or other Z-Tel required access to interexchange carriers as requested through appropriate trunk interfaces.

## 3.3 Tandem Switching

3.3.1 Definition

Tandem Switching is the function that establishes a communications path between two switching offices through a third switching office (the Tandem switch).

3.3.2 Technical Requirements

3.3.2.1 Tandem Switching shall have the same capabilities or equivalent capabilities as those described in Bell Communications Research TR-TSY-000540 Issue 2R2, Tandem Supplement, 6/1/90. The requirements for Tandem Switching include, but are not limited to the following:

3.3.2.1.1 Tandem Switching shall provide signaling to establish a tandem connection;

3.3.2.1.2 Tandem Switching will provide screening as jointly agreed to by Z-Tel and BellSouth;

3.3.2.1.3 Tandem Switching shall provide Advanced Intelligent Network triggers supporting AIN features where such routing is not available from the originating end office switch, to the extent such Tandem switch has such capability;

3.3.2.1.4 Tandem Switching shall provide access to Toll Free number portability database as designated by Z-Tel;

3.3.2.1.5 Tandem Switching shall provide all trunk interconnections discussed under the "Network Interconnection" section (e.g., SS7, MF, DTMF, DialPulse, PRI-ISDN, DID, and CAMA-ANI (if appropriate for 911));

3.3.2.1.5.1 Tandem Switching shall provide connectivity to PSAPs where 911 solutions are deployed and the tandem is used for 911; and

3.3.2.1.5.2 Tandem Switching shall provide connectivity to transit traffic to and from other carriers.

3.3.2.1.6 Tandem Switching shall accept connections (including the necessary signaling and trunking interconnections) between end offices, other tandems, IXCs, ICOs, CAPs and CLEC switches.

3.3.2.1.7 Tandem Switching shall provide local tandeming functionality between two end offices including two offices belonging to different CLEC's (e.g., between a CLEC end office and the end office of another CLEC).

3.3.2.1.8 Tandem Switching shall preserve CLASS/LASS features and Caller ID as traffic is processed.

3.3.2.1.9 Tandem Switching shall record billable events and send them to the area billing centers designated by Z-Tel. Tandem Switching will provide recording of all billable events as jointly agreed to by Z-Tel and BellSouth.

3.3.2.1.10 Upon a reasonable request from Z-Tel, BellSouth shall perform routine testing and fault isolation on the underlying switch that is providing Tandem Switching and all its interconnections. The results and reports of the testing shall be made immediately available to Z-Tel.

3.3.2.1.11 BellSouth shall maintain Z-Tel's trunks and interconnections associated with Tandem Switching at least at parity to its own trunks and interconnections.

3.3.2.1.12 BellSouth shall control congestion points and network abnormalities. All traffic will be restricted in a non-discriminatory manner.

3.3.2.1.13 Selective Call Routing through the use of line class codes is not available through the use of tandem switching. Selective Call Routing through the use of line class codes is an end office capability only. Detailed primary and overflow routing plans for all interfaces available within BellSouth's switching network shall be mutually agreed to by Z-Tel and BellSouth.

3.3.2.1.14 Tandem Switching shall process originating toll-free traffic received from Z-Tel's local switch.

3.3.2.1.15 In support of AIN triggers and features, Tandem Switching shall provide SSP capabilities when these capabilities are not available from the Local Switching Network Element, to the extent such Tandem Switch has such capability.

3.3.2.2 Interface Requirements

3.3.2.2.1 Tandem Switching shall provide interconnection to the E911 PSAP where the underlying Tandem is acting as the E911 Tandem.

3.3.2.2.2 Tandem Switching shall interconnect, with direct trunks, to all carriers with which BellSouth interconnects.

3.3.2.2.3 BellSouth shall provide all signaling necessary to provide Tandem Switching with no loss of feature functionality.

3.3.2.2.4 Tandem Switching shall interconnect with Z-Tel's switch, using two-way trunks, for traffic that is transiting via BellSouth's network to interLATA or intraLATA carriers. At Z-Tel's request, Tandem Switching shall record and keep records of traffic for billing.

3.3.2.2.5 Tandem Switching shall provide an alternate final routing pattern for Z-Tel's traffic overflowing from direct end office high usage trunk groups.

3.3.2.2.6 Tandem Switching shall be equal or better than the requirements for Tandem Switching set forth in the following technical references:

## 3.4 AIN Selective Carrier Routing for Operator Services, Directory Assistance and Repair Centers

3.4.1 BellSouth will provide AIN Selective Carrier Routing at the request of Z-Tel. AIN Selective Carrier Routing will provide Z-Tel with the capability of routing operator calls, 0+ and 0- and 0+ NPA (LNPA) 555-1212 directory assistance, 1+411 directory assistance and 611 repair center calls to pre-selected destinations.

3.4.2 Z-Tel shall order AIN Selective Carrier Routing through its Account Team. AIN Selective Carrier Routing must first be established regionally and then on a per central office, per state basis.

3.4.3 AIN Selective Carrier Routing is not available in DMS 10 switches.

3.4.4 Where AIN Selective Carrier Routing is utilized by Z-Tel, the routing of Z-Tel's end user calls shall be pursuant to information provided by Z-Tel and stored in BellSouth's AIN Selective Carrier Routing Service Control Point database. AIN Selective Carrier Routing shall utilize a set of Line Class Codes (LCCs) unique to a basic class of service assigned on an 'as needed basis. The same LCCs will be assigned in each central office where AIN Selective Carrier Routing is established.

3.4.5 Upon ordering of AIN Selective Carrier Routing Regional Service, Z-Tel shall remit to BellSouth the Regional Service Order non-recurring charges set forth in Exhibit A of this Attachment. There shall be a non-recurring End Office Establishment Charge per office due at the addition of each central office where AIN Selective Carrier Routing will be utilized. Said non-recurring charge shall be as set forth in Exhibit A of this Attachment. For each Z-Tel end user activated, there shall be a non-recurring End User Establishment charge as set forth in Exhibit A of this Attachment, payable to BellSouth pursuant to the terms of the General Terms and Conditions, incorporated herein by this reference. Z-Tel shall pay the AIN Selective Carrier Routing Per Query Charge set forth in Exhibit A of this Attachment.

3.4.6 This Regional Service Order non-recurring charge will be non-refundable and will be paid with 1/2 coming up-front with the submission of all fully completed required forms, including: Regional Selective Carrier Routing (SCR) Order Request-Form A, Central Office AIN Selective Carrier Routing (SCR) Order Request - Form B,

AIN_SCR Central Office Identification Form - Form C, AIN_SCR Routing Options Selection Form - Form D, and Routing Combinations Table - Form E. BellSouth has 30 days to respond to the client's fully completed firm order as a Regional Service Order.. With the delivery of this firm order response to the client, BellSouth considers that the delivery schedule of this service commences. The remaining 1/2 of the Regional Service Order payment must be paid when at least 90% of the Central Offices listed on the original order have been turned up for the service.

3.4.7 The non-recurring End Office Establishment Charge will be billed to the client following our normal monthly billing cycle for this type of order.

3.4.8 End-User Establishment Orders will not be turned-up until the 2nd payment is received for the Regional Service Order. The non-recurring End-User Establishment Charges will be billed to the client following our normal monthly billing cycle for this type of order.

3.4.9 Additionally, the AIN Selective Carrier Routing Per Query Charge will be billed to the client following the normal billing cycle for per query charges.

3.4.10 All other network components needed, for example, unbundled switching and unbundled local transport, etc, will be billed according per contracted rates.

**3.5 Packet Switching Capability**

3.5.1 Definition
Packet Switching Capability. The packet switching capability network element is defined as the basic packet switching function of routing or forwarding packets, frames, cells or other data units based on address or other routing information contained in the packets, frames, cells or other data units, and the functions that are performed by Digital Subscriber Line Access Mulitplexers, including but not limited to:

3.5.2 The ability to terminate copper customer loops (which includes both a low band voice channel and a high-band data channel, or solely a data channel);

3.5.3 The ability to forward the voice channels, if present, to a circuit switch or multiple circuit switches;

3.5.4 The ability to extract data units from the data channels on the loops, and

3.5.5 The ability to combine data units from multiple loops onto one or more trunks connecting to a packet switch or packet switches.

3.5.6 BellSouth shall be required to provide non-discriminatory access to unbundled packet switching capability only where each of the following conditions are satisfied:

3.5.6.1 BellSouth has deployed digital loop carrier systems, including but not limited to, integrated digital loop carrier or universal digital loop carrier systems; or has deployed any other system in which fiber optic facilities replace copper facilities in the distribution section (e.g., end office to remote terminal, pedestal or environmentally controlled vault);

3.5.6.2 There are no spare copper loops capable of supporting the xDSL services Z-Tel seeks to offer;

3.5.6.3 BellSouth has not permitted Z-Tel to deploy a Digital Subscriber Line Access Multiplexer at the remote terminal, pedestal or environmentally controlled vault or other interconnection point, nor has the Z-Tel obtained a virtual collocation arrangement at these subloop interconnection points as defined by 47 C.F.R. § 51.319 (b); and

3.5.6.4 BellSouth has deployed packet switching capability for its own use.

3.5.7 If there is a dispute as to whether BellSouth must provide Packet Switching , such dispute will be resolved according tot the dispute resolution process set forth in Section of the General Terms and Conditions of this Agreement, incorporated herein by this reference.

3.6 **Interoffice Transmission Facilities**

BellSouth shall provide nondiscriminatory access, in accordance with FCC Rule 51.311 and Section 251(c)(3) of the Act, to interoffice transmission facilities on an unbundled basis to Z-Tel for the provision of a telecommunications service.

3.7 **Rates**

The prices that Z-Tel shall pay to BellSouth for Network Elements and Other Services are set forth in Exhibit C to this Attachment.

3.8 **Operational Support Systems (OSS)**

BellSouth has developed and made available the following mechanized systems by which Z-Tel may submit LSRs electronically.

| | |
|---|---|
| LENS | Local Exchange Navigation System |
| EDI | Electronic Data Interchange |
| TAG | Telecommunications Access Gateway |

3.8.1 LSRs submitted by means of one of these interactive interfaces will incur an OSS electronic ordering charge as specified in the table below. An individual LSR will be identified for billing purposes by its Purchase Order Number (PON). LSRs submitted by means other than one of these interactive interfaces (mail, fax, courier, etc.) will incur a manual order charge as specified in the table below. In lieu of manual OSS charges, electronic charges shall apply to local service requests submitted when BellSouth's existing electronic interfaces regularly utilized by Z-Tel are unavailable for reasons other than scheduled maintenance or other scheduled activities for which advance notification is provided.,

| OPERATIONAL SUPPORT SYSTEMS | AL, GA, LA, MS, SC | FL, KY, NC, TN |
|---|---|---|
| OSS LSR charge, per LSR received from the CLEC by one of the OSS interactive interfaces | $3.50<br><br>SOMEC | $3.50<br><br>SOMEC |
| Incremental charge per LSR received from the CLEC by means other than one of the OSS interactive interfaces | See applicable rate element | $19.99<br><br>SOMAN |

3.8.2 Denial/Restoral OSS Charge

In the event Z-Tel provides a list of customers to be denied and restored, rather than an LSR, each location on the list will require a separate PON and, therefore will be billed as one LSR per location.

3.8.3 Cancellation OSS Charge

Z-Tel will incur an OSS charge for an accepted LSR that is later canceled by Z-Tel.

Note: Supplements or clarifications to a previously billed LSR will not incur another OSS charge.

3.8.4 Network Elements and Other Services Manual Additive

3.8.4.1 The Commissions in some states have ordered per-element manual additive non-recurring charges (NRC) for Network Elements and Other Services ordered by means other than one of the interactive interfaces. These ordered Network Elements and Other Services manual additive NRCs will apply in these states, rather than the charge per LSR. The per-element charges are listed on the Rate Tables in Exhibit A.

## 4. Enhanced Extended Link (EEL)

4.1 Where facilities permit and where necessary to comply with an effective FCC and/or State Commission order, BellSouth shall offer access to the Enhanced Extended Link ("EEL") as defined in Section 4.3 below.

4.2 Definition

4.2.1 For purposes of this Agreement, references to "Currently Combined" network elements shall mean that such network elements are in fact already combined by BellSouth in the BellSouth network to provide service to a particular end user at a particular location, except in Georgia which is discussed in 4.2.3. In the event other state commissions define "Currently Combined" differently than referenced here, the Parties will amend this agreement to reflect such change in accordance with Section 16 of the General Terms and Conditions. The Parties agree to work cooperatively to execute the amendment within a reasonable timeframe.

4.2.2 BellSouth will provide access to the Enhanced Extended Link ("EEL") in the combinations set forth in 4.3 following. This offering is intended to provide connectivity from an end user's location through that end user's SWC and then connected to the Z-Tel's POP serving wire center. The circuit must be connected to Z-Tel's switch for the purpose of provisioning telephone exchange service to Z-Tel's end-user customers. The EEL will be connected to Z-Tel's facilities in Z-Tel's collocation space, or at a third party's collocation cage contracted by Z-Tel,at the POP SWC, or Z-Tel may purchase BellSouth's access facilities between Z-Tel's POP and Z-Tel's collocation space, or at a third party's collocation cage contracted by Z-Tel, at the POP SWC.

4.2.3 BellSouth shall provide combinations of loops and transport to Z-Tel in Georgia regardless of whether or not such combinations of loops and transport are Currently Combined. Other combinations of network elements that are not Currently Combined but that BellSouth ordinarily combines in its network shall be made available to Z-Tel in Georgia in accordance with Section 4.5.1.3 below. In all other states, BellSouth shall make available to Z-Tel those EEL combinations and transport described in Section 4.3 below only to the extent such combinations of loop and transport network elements are currently combined in accordance with 4.2.1 above. BellSouth will make available new combinations of loops and transport network elements in density Zone 1, as defined in 47 C.F.R. 69.123 as of January 1, 1999, of the Miami, Orlando, Fort Lauderdale, Charlotte, New Orleans, Greensboro and Nashville MSAs to Z-Tel. Except as stated above, other combinations of network elements will be provided to Z-Tel only to the extent such network elements are Currently Combined, in

accordance with 4.2.1 above. Except as stated above, other combinations of network elements will be provided to Z-Tel only to the extent such network elements are Currently Combined.

4.2.4 Additionally, BellSouth shall make available to Z-Tel a combination of an unbundled loop and tariffed special access interoffice facilities. To the extent Z-Tel will require multiplexing functionality in connection with such combination, BellSouth will provide access to multiplexing within the central office pursuant to the terms, conditions, and rates set forth in its Access services Tariffs. The tariffed special access interoffice facilities and any associated tariffed services, including but not limited to multiplexing, shall not be eligible for conversion to UNEs as described in Section 4.5 below, for the term of this agreement.

4.3 EEL Combinations

4.3.1 - 2-wire voice grade extended loop with DS1 Dedicated Interoffice Transport;

4.3.2 - 4-wire voice grade extended loop with DS1 Dedicated Interoffice Transport;

4.3.3 - 4-wire 56 or 64 kbps extended digital loop with Dedicated DS1 Interoffice Transport;

4.3.4 - Extended 4-wire DS1 Digital Loop with Dedicated DS1 Interoffice Transport;

4.3.5 - Extended 4-wire DS1 Digital Loop with Dedicated DS3 Interoffice Transport; and

4.3.6 - DS1 Interoffice Channel and DS1 Channelization with 2-wire ISDN Local Loop

4.3.7 – STS-1 Interoffice Channel with STS-1 Local Loop

4.3.8 – DS3 Interoffice Channel and DS3 Channelization with DS1 Local Loop

4.3.9 – STS-1 Interoffice Channel and DS3 Channelization with DS1 Local Loop

4.3.10 – 2-Wire VT Interoffice Channel with 2-Wire VG Local Loop

4.3.11 – 4-Wire VG Interoffice Channel with 4-Wire 56 Kbps Local Loop

4.3.12 – 4-Wire 56Kbps Interoffice Channel with 4-Wire 56Kbps Local Loop

4.3.13 – 4-Wire 64 Kbps Interoffice Channel with 4-Wire 64 Kbps Local Loop

4.4 Special Access Service Conversions

4.4.1 Z-Tel may not convert special access services to combinations of loop and transport network elements, whether or not Z-Tel self-provides its entrance facilities (or obtains entrance facilities from a third party), unless Z-Tel uses the combination to provide a significant amount of local exchange service, in addition to exchange access service, to a particular customer. To the extent Z-Tel converts its special access services to

combinations of loop and transport network elements at UNE prices, Z-Tel hereby certifies that it is providing a significant amount of local exchange service (as described in this Section) over such combinations. Z-Tel shall be deemed to be providing a significant amount of local exchange service over such combinations if any one of the following are met:

1) Z-Tel certifies that it is the exclusive provider of an end user's local exchange service. The loop-transport combinations must terminate at Z-Tel's collocation arrangement in at least one BellSouth central office. This option does not allow loop-transport combinations to be connected to BellSouth's tariffed services. Under this option, Z-Tel is the end user's only local service provider, and thus, is providing more than a significant amount of local exchange service. Z-Tel can then use the loop-transport combinations that serve the end user to carry any type of traffic, including using them to carry 100 percent interstate access traffic; or

2) Z-Tel certifies that it provides local exchange and exchange access service to the end user customer's premises and handles at least one third of the end user customer's local traffic measured as a percent of total end user customer local dialtone lines; and for DS1 circuits and above, at least 50 percent of the activated channels on the loop portion of the loop-transport combination have at least 5 percent local voice traffic individually, and the entire loop facility has at least 10 percent local voice traffic. When a loop-transport combination includes multiplexing, each of the individual DS1 circuits must meet this criteria. The loop-transport combination must terminate at Z-Tel's collocation arrangement in at least one BellSouth central office. This option does not allow loop-transport combinations to be connected to BellSouth tariffed services; or

3) The requesting carrier certifies that at least 50 percent of the activated channels on a circuit are used to provide originating and terminating local dialtone service and at least 50 percent of the traffic on each of these local dialtone channels is local voice traffic, and that the entire loop facility has at least 33 percent local voice traffic. When a loop-transport combination includes multiplexing, each of the individual DS1 circuits must meet this criteria. This option does not allow loop-transport combinations to be connected to BellSouth's tariffed services. Under this option, collocation is not required. Z-Tel does not need to provide a defined portion of the end user's local service, but the active channels on any loop-transport combination, and the entire facility, must carry the amount of local exchange traffic specified in this option.

4.4.2 BellSouth may at its sole discretion audit Z-Tel records in order to verify the type of traffic being transmitted over combinations of loop and transport network elements. The audit shall be conducted by a third party independent auditor, and Z-Tel shall be given thirty days written notice of scheduled audit. Such audit shall occur no more than one time in a calendar year, unless results of an audit find noncompliance with the significant amount of local exchange service requirement. In the event of noncompliance, Z-Tel shall reimburse BellSouth for the cost of the audit. If, based on its audits, BellSouth concludes that Z-Tel is not providing a significant amount of local exchange traffic over the combinations of loop and transport network elements, BellSouth may file a complaint with the appropriate Commission, pursuant to the dispute resolution process as set forth in the Interconnection Agreement. In the event that BellSouth prevails, BellSouth may convert such combinations of loop and transport network elements to special access services and may seek appropriate retroactive reimbursement from Z-Tel.

4.5 Rates

4.5.1 Georgia

4.5.1.1 The non-recurring and recurring rates for the EEL Combinations of network elements set forth in 4.3, whether Currently Combined or new, are as set forth in Exhibit A of this Agreement.

4.5.1.2 On an interim basis, for combinations of loop and transport network facilities not set forth in Section 4.3, where the elements are not Currently Combined but are ordinarily combined in BellSouth's network, the non-recurring and recurring charges for such UNE combinations shall be the sum of the stand-alone non-recurring and recurring charges of the network elements which make up the combination. These interim rates shall be subject to true-up based on the Commission's review of BellSouth's cost studies.

4.5.1.3 To the extent that Z-Tel seeks to obtain other combinations of loop and transport network elements that BellSouth ordinarily combines in its network which have not been specifically priced by the Commission when purchased in combined form, Z-Tel, at its option, can request that such rates be determined pursuant to the Bona Fide Request/New Business Request (NBR) process set forth in the Agreement.

4.5.2 All Other States

4.5.2.1 Subject to Section 4.2.3 preceding, for all other states, the non-recurring and recurring rates for the Currently Combined EEL combinations set forth in Section 1.3 and other Currently Combined loop and transport network elements will be the sum of the non-recurring and recurring rates for the individual network elements unless otherwise negotiated by the parties.

**5. Port/Loop Combinations**

5.1 At Z-Tel's request, BellSouth shall provide access to combinations of port and loop network elements, as set forth in Section 5.3 below, that are Currently Combined in BellSouth's network except as specified in Sections 5.1.1 and 5.1.2 below.

5.1.1 BellSouth shall not provide combinations of port and loop network elements on an unbundled basis in locations where, pursuant to FCC rules, BellSouth is not required to provide circuit switching as an unbundled network element.

5.1.2. In accordance with effective and applicable FCC rules, BellSouth shall not be required to provide circuit switching as an unbundled network element in density Zone 1, as defined in 47 CFR 69.123 as of January 1, 1999 of the Atlanta, GA; Miami, FL; Orlando, FL; Ft. Lauderdale, FL; Charlotte-Gastonia-Rock Hill, NC; Greensboro-Winston Salem-High Point, NC; Nashville, TN; and New Orleans, LA, MSAs to Z-Tel if Z-Tel's customer has 4 or more DS0 equivalent lines.

5.2. Combinations of port and loop network elements provide local exchange service for the origination or termination of calls. BellSouth shall make available the following loop and port combinations at the terms and at the rates set forth below:

5.2.1 In Georgia, BellSouth shall provide to Z-Tel combinations of port and loop network elements to Z-Tel on an unbundled basis regardless of whether or not such combinations are Currently Combined except in those locations where BellSouth is not required to provide circuit switching, as set forth in Section 5.1.2 above. The rates for such combinations shall be the cost based rates set forth in Exhibit C of this Attachment.

5.2.2 In all other states, BellSouth shall provide to Z-Tel combinations of port and loop network elements on an unbundled basis if such combinations are Currently Combined, except in those locations where BellSouth is not required to provide unbundled circuit switching, as set forth in Sections 5.1.1 and 5.1.2 above. The rates for such combinations shall be the cost based rates set forth in Exhibit C of this Attachment.

5.2.3. In all states other than Georgia, except in those locations where BellSouth is not required to provide unbundled circuit switching, as set forth in Sections 5.1.1 and 5.1.2, BellSouth shall provide to Z-Tel combinations of port and loop network

elements that are not Currently Combined. The rates for such combinations shall be negotiated by the Parties.

5.2.4. In those locations where BellSouth is not required to provide unbundled circuit switching, as set forth in Sections 5.1.1 and 5.1.2, BellSouth shall provide to Z-Tel combinations of port and loop network elements whether or not such combinations are Currently Combined. The rates for Currently Combined combinations are the market based rates as set forth in Exhibit C. The rates for not Currently Combined combinations shall be negotiated by the Parties.

**5.3.1. Combination Offerings**

5.3.2. 2-wire voice grade port, voice grade loop, unbundled end office switching, unbundled end office trunk port, common transport per mile per MOU, common transport facilities termination, tandem switching, and tandem trunk port.

5.3.3. 2-wire voice grade DID port, voice grade loop, unbundled end office switching, unbundled end office trunk port, common transport per mile per MOU, common transport facilities termination, tandem switching, and tandem trunk port.

5.3.4. 2-wire CENTREX port, voice grade loop, unbundled end office switching, unbundled end office trunk port, common transport per mile per MOU, common transport facilities termination, tandem switching, and tandem trunk port.

5.3.5. 2-wire ISDN Basic Rate Interface, voice grade loop, unbundled end office switching, unbundled end office trunk port, common transport per mile per MOU, common transport facilities termination, tandem switching, and tandem trunk port.

5.3.6. 2-wire ISDN Primary Rate Interface, DS1 loop, unbundled end office switching, unbundled end office trunk port, common transport per mile per MOU, common transport facilities termination, tandem switching, and tandem trunk port.

5.3.7. 4-wire DS1 Trunk port, DS1 Loop, unbundled end office switching, unbundled end office trunk port, common transport per mile per MOU, common transport facilities termination, tandem switching, and tandem trunk port.

## 6 Transport and Dark Fiber

All of the negotiated rates, terms and conditions set forth in this Section pertain to the provision of unbundled transport and dark fiber.

### 6.1. Transport

6.1.1 Definition of Common (Shared) Transport

Common (Shared) Transport is an interoffice transmission path between two BellSouth end-offices, BellSouth end-office and a local tandem, or between two local tandems. Where BellSouth Network Elements are connected by intra-office wiring, such wiring is provided as a part of the Network Elements and is not Common (Shared) Transport. Common (Shared) Transport consists of BellSouth inter-office transport facilities and is unbundled from local switching.

6.1.2 Technical Requirements of Common (Shared) Transport

6.1.2.1 Common (Shared) Transport provided on DS1 or VT1.5 circuits, shall, at a minimum, meet the performance, availability, jitter, and delay requirements specified for Central Office to Central Office ("CO to CO") connections in the appropriate industry standards.

6.1.2.2 Common (Shared) Transport provided on DS3 circuits, STS-1 circuits, and higher transmission bit rate circuits, shall, at a minimum, meet the performance, availability, jitter, and delay requirements specified for CO to CO connections in the appropriate industry standards.

6.1.2.3 BellSouth shall be responsible for the engineering, provisioning, and maintenance of the underlying equipment and facilities that are used to provide Common (Shared) Transport.

6.1.2.4 At a minimum, Common (Shared) Transport shall meet all of the requirements set forth in the applicable industry standard technical references.

**6.2 Interoffice transmission facility network elements include:**

6.2.1 Dedicated transport, defined as BellSouth's transmission facilities, including all technically feasible capacity-related services including, but not limited to, DS1, DS3 and OCn levels, dedicated to a particular customer or carrier that provide telecommunications between wire centers or switches owned by BellSouth, or between wire centers and switches owned by BellSouth and / or

6.2.2 Dark Fiber transport, defined as BellSouth's optical transmission facilities without attached multiplexing, aggregation or other electronics;

6.2.3 Shared transport, defined as transmission facilities shared by more than one carrier, including BellSouth, between end office switches, between end office switches and tandem switches, and between tandem switches, in BellSouth's network.

6.2.4 BellSouth shall:

6.2.4.1 Provide Z-Tel exclusive use of interoffice transmission facilities dedicated to a particular customer or carrier, or shared use of the features, functions, and capabilities of interoffice transmission facilities shared by more than one customer or carrier;

6.2.4.2 Provide all technically feasible transmission facilities, features, functions, and capabilities that Z-Tel could use to provide telecommunications services;

6.2.4.3 Permit, to the extent technically feasible, Z-Tel to connect such interoffice facilities to equipment designated by Z-Tel, including but not limited to, Z-Tel's collocated facilities; and

6.2.4.4 Permit, to the extent technically feasible, Z-Tel to obtain the functionality provided by BellSouth's digital cross-connect systems in the same manner that BellSouth provides such functionality to interexchange carriers.

6.2.5 Provided that the facility is used to transport a significant amount of local exchange service, pursuant to Section 4.4 of this Attachment, Z-Tel shall be entitled to convert existing interoffice transmission facilities (i.e., special access) to the corresponding interoffice transport network element option.

**6.3 Dedicated Transport**

6.3.1 Definitions

6.3.2 Dedicated Transport is defined as BellSouth transmission facilities dedicated to a particular customer or carrier that provide telecommunications between wire centers owned by BellSouth or requesting telecommunications carriers, or between switches owned by BellSouth or requesting telecommunications carriers.

6.3.3 Unbundled Local Channel

6.3.4 Unbundled Local Channel e dedicated transmission path between Z-Tel's Point of Presence and the BellSc erving Wire Center. Combinations of an Unbundled Local Channel with other e nts shall be governed by Sections 4 and 5 of this Attachment.

6.3.5 Unbundled Interoffice Channel.

6.3.6 Unbundled Interoffice Channel is the dedicated transmission path that provides telecommunication between BellSouth's Wire Centers. Combinations of an Unbundled Local Channel with other elements shall be governed by Sections of 4 and 5 of this Attachment.

6.3.7 BellSouth shall offer Dedicated Transport in each of the following ways:

6.3.7.1 As capacity on a shared UNE facility.

6.3.7.2 As a circuit (e.g., DS0, DS1, DS3) dedicated to Z-Tel. This circuit shall consist of an Unbundled Local Channel or an Unbundled Interoffice Channel or both.

6.3.8 When Dedicated Transport is provided it shall include:

6.3.8.1 Transmission equipment such as, line terminating equipment, amplifiers, and regenerators;

6.3.8.2 Inter-office transmission facilities such as optical fiber, copper twisted pair, and coaxial cable.

6.3.9 Rates for Dedicated Transport are listed in this Attachment. For those states that do not contain rates in this Attachment the rates in the applicable State Access Tariff will apply as interim rates. When final rates are developed, these interim rates will be subject to true up, and the Parties will amend the Agreement to reflect the new rates.

6.3.10 Technical Requirements

6.3.10.1 This Section sets forth technical requirements for all Dedicated Transport.

6.3.10.2 When BellSouth provides Dedicated Transport, the entire designated transmission service (e.g., DS0, DS1, DS3) shall be dedicated to Z-Tel designated traffic.

6.3.10.3 BellSouth shall offer Dedicated Transport in all technologies that become available including, but not limited to, (1) DS0, DS1 and DS3 transport services, and (2) SONET at available transmission bit rates.

6.3.10.4 For DS1 or VT1.5 circuits, Dedicated Transport shall, at a minimum, meet the performance, availability, jitter, and delay requirements specified for Customer Interface to Central Office ("CI to CO") connections in the appropriate industry standards.

6.3.10.5 Where applicable, for DS3, Dedicated Transport shall, at a minimum, meet the performance, availability, jitter, and delay requirements specified for CI to CO connections in the appropriate industry standards.

6.3.10.6 BellSouth shall offer the following interface transmission rates for Dedicated Transport:

6.3.10.6.1 DS0 Equivalent;

6.3.10.6.2 DS1 (Extended SuperFrame - ESF);

6.3.10.6.3 DS3 (signal must be framed);

6.3.10.6.4 SDH (Synchronous Digital Hierarchy) Standard interface rates in accordance with International Telecommunications Union (ITU) Recommendation G.707 and Plesiochronous Digital Hierarchy (PDH) rates per ITU Recommendation G.704.

6.3.10.6.5 When dedicated Transport is provided , BellSouth shall design

6.3.11 At a minimum, Dedicated Transport shall meet each of the requirements set forth in the applicable industry technical references.

6.3.11.1 BellSouth Technical References:

6.3.11.2 TR-TSY-000191 Alarm Indication Signals Requirements and Objectives, Issue 1, May 1986.

6.3.11.3 TR 73501 LightGate®Service Interface and Performance Specifications, Issue D, June 1995.

6.3.11.4 TR 73525 MegaLink®Service, MegaLink Channel Service & MegaLink Plus Service Interface and Performance Specifications, Issue C, May 1996.

6.4 **Dark Fiber**

6.4.1 BellSouth shall make available Dark Fiber where it exists in BellSouth's network and where, as a result of future building or deployment, it becomes available. If BellSouth has plans to use the fiber within a two-year period, there is no requirement to provide said fiber to Z-Tel. If BellSouth denies a Z-Tel request for dark fiber due to BellSouth planning to use said dark fiber within the above stated planning period, BellSouth will, upon request from Z-Tel, provide written certification that use is planned for requested dark fiber.agrees to offer access to Dark Fiber pursuant to the terms and conditions following and at the rates set forth in this Attachment. In Georgia, BellSouth is not required to construct the fiber if it is not available. In Kentucky, if BellSouth has plans to use the fiber in a three year planning period, there is no requirement to provide it. In all other states, BellSouth is not required to place the fibers if there are no fibers available. The Parties agree that Dark Fiber will be used in the provisioning of local service.

6.4.2 Dark Fiber is unused strands of optical fiber. It may be strands of optical fiber existing in aerial or underground structure. No line terminating elements terminated to such strands (with the exception of LGX) to operationalize its transmission capabilities will be available. No regeneration or optical amplification will be included with this element.

6.4.3 Requirements

6.4.3.1 BellSouth shall make available Dark Fiber where it exists in BellSouth's network and where, as a result of future building or deployment, it becomes available. BellSouth shall offer all Dark Fiber to Z-Tel pursuant to the prices set forth in this Attachment.

6.4.3.2 Z-Tel may test the quality of the Dark Fiber to confirm its usability and performance specifications.

6.4.3.3 BellSouth shall use its best efforts to provide to Z-Tel information regarding the location, availability and performance of Dark Fiber within ten (10) business days for a records based answer and twenty (20) business days for a field based answer, after receiving a request from Z-Tel ("Request"). Z-Tel will request Dark Fiber on an originating end to terminating end basis, and not be required to specify intermediate points between the two ends. Within such time period, BellSouth shall send written confirmation of availability of the Dark Fiber ("Confirmation"), and shall check all reasonable routes between the originating and terminating ends when checking for availability.

6.4.3.4 BellSouth shall use its best efforts to make Dark Fiber available to Z-Tel within thirty (30) business days after it receives written confirmation from Z-Tel that the Dark Fiber previously deemed available by BellSouth is wanted for use by Z-Tel. This includes identification of appropriate connection points (e.g., Light Guide Interconnection (LGX) or splice points) to enable Z-Tel to connect or splice Z-Tel provided transmission media (e.g., optical fiber) or equipment to the Dark Fiber.

## 6.5 Rates

The prices that Z-Tel shall pay to BellSouth for Network Elements and Other Services are set forth in Exhibit C to this Attachment.

## 6.6 Operational Support Systems (OSS)

BellSouth has developed and made available the following mechanized systems by which Z-Tel may submit LSRs electronically.

| | |
|---|---|
| LENS | Local Exchange Navigation System |
| EDI | Electronic Data Interchange |
| TAG | Telecommunications Access Gateway |

6.6.1 LSRs submitted by means of one of these interactive interfaces will incur an OSS electronic ordering charge as specified in the table below. An individual LSR will be identified for billing purposes by its Purchase Order Number (PON). LSRs submitted by means other than one of these interactive interfaces (mail, fax, courier, etc.) will incur a manual order charge as specified in the table below. In lieu of manual OSS charges, electronic charges shall apply to local service requests submitted when BellSouth's existing electronic interfaces regularly utilized by Z-Tel are unavailable for reasons other than scheduled maintenance or other scheduled activities for which advance notification is provided.

| OPERATIONAL SUPPORT SYSTEMS | **AL, GA, LA, MS, SC** | **FL, KY, NC, TN** |
|---|---|---|
| OSS LSR charge, per LSR received from the CLEC by one of the OSS interactive interfaces | $3.50<br><br>SOMEC | $3.50<br><br>SOMEC |
| Incremental charge per LSR received from the CLEC by means other than one of the OSS interactive interfaces | See applicable rate element | $19.99<br><br>SOMAN |

6.6.2 Denial/Restoral OSS Charge

In the event Z-Tel provides a list of customers to be denied and restored, rather than an LSR, each location on the list will require a separate PON and, therefore will be billed as one LSR per location.

6.6.3 Cancellation OSS Charge

Z-Tel will incur an OSS charge for an accepted LSR that is later canceled by Z-Tel.

Note: Supplements or clarifications to a previously billed LSR will not incur another OSS charge.

6.6.4 Network Elements and Other Services Manual Additive

The Commissions in some states have ordered per-element manual additive non-recurring charges (NRC) for Network Elements and Other Services ordered by means other than one of the interactive interfaces. These ordered Network Elements and Other Services manual additive NRCs will apply in these states, rather than the charge per LSR. The per-element charges are listed on the Rate Tables in Exhibit A.

## 7 BellSouth SWA 8XX Toll Free Dialing Ten Digit Screening Service

All of the negotiated rates, terms and conditions set forth in this Section pertain to the provision of 8XX Access Ten Digit Screening Services.

7.1 BellSouth SWA 8XX Toll Free Dialing Ten Digit Screening Service database

7.1.1 The BellSouth SWA 8XX Toll Free Dialing Ten Digit Screening Service database (herein known as 8XX SCP) is a SCP that contains customer record information and functionality to provide call-handling instructions for 8XX calls. The 8XX SCP IN software stores data downloaded from the national SMS and provides the routing instructions in response to queries from the SSP or tandem. The BellSouth SWA 8XX Toll Free Dialing Ten Digit Screening Service (herein know as 8XX TFD), utilizes the 8XX SCP to provide identification and routing of the 8XX calls, based on the ten digits dialed. 8XX TFD is provided with or without POTS number delivery, dialing number delivery, and other optional complex features as selected by Z-Tel. BellSouth shall provide 8XX TFD in accordance with the following:

7.1.2 Technical Requirements

7.1.2.1 BellSouth shall provide Z-Tel with access to the 8XX record information located in the 8XX SCP. The 8XX SCP contains current records as received from the national SMS and will provide for routing 8XX originating calls based on the dialed ten digit 8XX number.

7.1.2.2 The 8XX SCP is designated to receive and respond to queries using the American National Standard Specification of Signaling System Seven (SS7) protocol. The 8XX SCP shall determine the carrier identification based on all ten digits of the dialed number and route calls to the carrier, POTS number, dialing number and/or other optional feature selected by Z-Tel.

7.1.2.3 The SCP shall also provide, at Z-Tel's option, such additional feature as described in SR-TSV-002275 (BOC Notes on BellSouth Networks, SR-TSV-002275, Issue 2, (Telcordia (formerly BellCore), April 1994)) as are available to BellSouth. These may include but are not limited to:

7.1.2.3.1 Network Management;

7.1.2.3.2 Customer Sample Collection; and

7.1.2.3.3 Service Maintenance.

## 7.2 Automatic Location Identification/Data Management System (ALI/DMS)

7.2.1 The ALI/DMS Database contains end user information (including name, address, telephone information, and sometimes special information from the local service provider or end user) used to determine to which Public Safety Answering Point (PSAP) to route the call. The ALI/DMS database is used to provide more routing flexibility for E911 calls than Basic 911. BellSouth shall provide the Emergency Services Database in accordance with the following:

**7.3 Rates**

The prices that Z-Tel shall pay to BellSouth for Network Elements and Other Services are set forth in Exhibit C to this Attachment.

## 8 Line Information Database (LIDB)

8.1 All of the negotiated rates, terms and conditions set forth in this Section pertain to the provision of LIDB.

8.2 BellSouth will store in its LIDB only records relating to service in the BellSouth region. The LIDB Storage Agreement is included in this Attachment.

8.2.1 Definition

8.2.2 The Line Information Database (LIDB) is a transaction-oriented database accessible through Common Channel Signaling (CCS) networks. It contains records associated with end user Line Numbers and Special Billing Numbers. LIDB accepts queries from other Network Elements and provides appropriate responses. The query originator need not be the owner of LIDB data. LIDB queries include functions such as screening billed numbers that provides the ability to accept Collect or Third Number Billing calls and validation of Telephone Line Number based non-proprietary calling cards. The interface for the LIDB functionality is the interface between BellSouth's CCS network and other CCS networks. LIDB also interfaces to administrative systems.

8.2.3 Technical Requirements

8.2.4 BellSouth will offer to Z-Tel any additional capabilities that are developed for LIDB during the life of this Agreement.

8.2.4.1 BellSouth shall process Z-Tel's Customer records in LIDB at least at parity with BellSouth customer records, with respect to other LIDB functions. BellSouth shall indicate to Z-Tel what additional functions (if any) are performed by LIDB in the BellSouth network.

8.2.4.2 Within two (2) weeks after a request by Z-Tel, BellSouth shall provide Z-Tel with a list of the customer data items, which Z-Tel would have to provide in order to support each required LIDB function. The list shall indicate which data items are essential to LIDB function, and which are required only to support certain services. For each data item, the list shall show the data formats, the acceptable values of the data item and the meaning of those values.

8.2.4.3 BellSouth shall provide LIDB systems for which operating deficiencies that would result in calls being blocked shall not exceed 30 minutes per year.

8.2.4.4 BellSouth shall provide LIDB systems for which operating deficiencies that would not result in calls being blocked shall not exceed 12 hours per year.

8.2.4.5 BellSouth shall provide LIDB systems for which the LIDB function shall be in overload no more than 12 hours per year.

8.2.4.6 All additions, updates and deletions of Z-Tel data to the LIDB shall be solely at the direction of Z-Tel. Such direction from Z-Tel will not be required where the addition, update or deletion is necessary to perform standard fraud control measures (e.g., calling card auto-deactivation).

8.2.4.7 BellSouth shall provide priority updates to LIDB for Z-Tel data upon Z-Tel's request (e.g., to support fraud detection), via password-protected telephone card, facsimile, or electronic mail within one hour of notice from the established BellSouth contact.

8.2.4.8 BellSouth shall provide LIDB systems such that no more than 0.01% of Z-Tel customer records will be missing from LIDB, as measured by Z-Tel audits. BellSouth will audit Z-Tel records in LIDB against DBAS to identify record mismatches and provide this data to a designated Z-Tel contact person to resolve the status of the records and BellSouth will update system appropriately. BellSouth will refer record of mis-matches to Z-Tel within one business day of audit. Once reconciled records are received back from Z-Tel, BellSouth will update LIDB the same business day if less than 500 records are received before 1:00PM Central Time. If more than 500 records are received, BellSouth will contact Z-Tel to negotiate a time frame for the updates, not to exceed three business days.

8.2.4.9 BellSouth shall perform backup and recovery of all of Z-Tel's data in LIDB including sending to LIDB all changes made since the date of the most recent backup copy, in at least the same time frame BellSouth performs backup and recovery of BellSouth data in LIDB for itself. Currently, BellSouth performs backups of the LIDB for itself on a weekly basis and when a new software release is scheduled, a backup is performed prior to loading the new release.

8.2.4.10 BellSouth shall provide Z-Tel with LIDB reports of data, which are missing or contain errors, as well as any misrouted errors, within a reasonable time period as negotiated between Z-Tel and BellSouth.

8.2.4.11 BellSouth shall prevent any access to or use of Z-Tel data in LIDB by BellSouth personnel that are outside of established administrative and fraud control personnel, or by any other Party that is not authorized by Z-Tel in writing.

8.2.4.12 BellSouth shall provide Z-Tel performance of the LIDB Data Screening function, which allows a LIDB to completely or partially deny specific query originators access to LIDB data owned by specific data owners, for Customer Data that is part of an NPA-NXX or RAO-0/1XX wholly or partially owned by Z-Tel at least at parity with BellSouth Customer Data. BellSouth shall obtain from Z-Tel the screening information associated with LIDB Data Screening of Z-Tel data in accordance with

this requirement. BellSouth currently does not have LIDB Data Screening capabilities. When such capability is available, BellSouth shall offer it to Z-Tel under the Bona Fide Request/New Business Process as set forth in General Terms and Conditions.

8.2.4.13 BellSouth shall accept queries to LIDB associated with Z-Tel customer records, and shall return responses in accordance with industry standards.

8.2.4.14 BellSouth shall provide mean processing time at the LIDB within 0.50 seconds under normal conditions as defined in industry standards.

8.2.4.15 BellSouth shall provide processing time at the LIDB within 1 second for 99% of all messages under normal conditions as defined in industry standards.

8.2.5 Interface Requirements

8.2.6 BellSouth shall offer LIDB in accordance with the requirements of this subsection.

8.2.6.1 The interface to LIDB shall be in accordance with the technical references contained within.

8.2.6.2 The CCS interface to LIDB shall be the standard interface described herein.

8.2.6.3 The LIDB Data Base interpretation of the ANSI-TCAP messages shall comply with the technical reference herein. Global Title Translation shall be maintained in the signaling network in order to support signaling network routing to the LIDB.

**8.3 Rates**

The prices that Z-Tel shall pay to BellSouth for Network Elements and Other Services are set forth in Exhibit C to this Attachment.

## 9 Signaling

9.1 All of the negotiated rates, terms and conditions set forth in this Section pertain to the provision of Signaling Transport Services.

9.2 BellSouth agrees to offer access to signaling and access to BellSouth's signaling databases subject to compatibility testing and at the rates set forth in this Attachment. BellSouth may provide mediated access to BellSouth signaling systems and databases. Available signaling elements include signaling links, signal transfer points and service control points. Signaling functionality will be available with both A-link and B-link connectivity.

### 9.3 Signaling Link Transport

9.3.1 Definition Signaling Link Transport is a set of two or four dedicated 56 Kbps. transmission paths between CLEC-designated Signaling Points of Interconnection (SPOI) that provides appropriate physical diversity.

9.3.2 Technical Requirements

9.3.2.1 Signaling Link Transport shall consist of full duplex mode 56 kbps transmission paths.

9.3.3 Of the various options available, Signaling Link Transport shall perform in the following two ways:

9.3.3.1 As an "A-link" which is a connection between a switch or SCP and a home Signaling Transfer Point Switch (STP) pair; and

9.3.3.2 As a "B-link" which is a connection between two STP pairs in different company networks (e.g., between two STP pairs for two Competitive Local Exchange Carriers (CLECs)).

9.3.4 Signaling Link Transport shall consist of two or more signaling link layers as follows:

9.3.4.1 An A-link layer shall consist of two links.

9.3.4.2 A B-link layer shall consist of four links.

9.3.5 A signaling link layer shall satisfy a performance objective such that:

9.3.5.1 There shall be no more than two minutes down time per year for an A-link layer; and

9.3.5.2 There shall be negligible (less than 2 seconds) down time per year for a B-link layer.

9.3.5.3 A signaling link layer shall satisfy interoffice and intraoffice diversity of facilities and equipment, such that:

9.3.5.3.1 No single failure of facilities or equipment causes the failure of both links in an A-link layer (i.e., the links should be provided on a minimum of two separate physical paths end-to-end); and

9.3.5.3.2 No two concurrent failures of facilities or equipment shall cause the failure of all four links in a B-link layer (i.e., the links should be provided on a minimum of three separate physical paths end-to-end).

9.3.5.4 Interface Requirements

9.3.5.4.1 There shall be a DS1 (1.544 Mbps) interface at the Z-Tel designated SPOIs. Each 56 kbps transmission path shall appear as a DS0 channel within the DS1 interface.

**9.4 Signaling Transfer Points (STPs)**

9.4.1 Definition - Signaling Transfer Points is a signaling network function that includes all of the capabilities provided by the signaling transfer point switches (STPs) and their associated signaling links which enable the exchange of SS7 messages among and between switching elements, database elements and signaling transfer point switches.

9.4.2 Technical Requirements

9.4.2.1 STPs shall provide access to Network Elements connected to BellSouth SS7 network. These include:

9.4.2.1.1 BellSouth Local Switching or Tandem Switching;

9.4.2.1.2 BellSouth Service Control Points/DataBases;

9.4.2.1.3 Third-party local or tandem switching;

9.4.2.1.4 Third-party-provided STPs.

9.4.2.2 The connectivity provided by STPs shall fully support the functions of all other Network Elements connected to the BellSouth SS7 network. This explicitly includes the use of the BellSouth SS7 network to convey messages which neither originate nor terminate at a signaling end point directly connected to the BellSouth SS7 network (i.e., transient messages). When the BellSouth SS7 network is used to convey transient messages, there shall be no alteration of the Integrated Services Digital

Network User Part (ISDNUP) or Transaction Capabilities Application Part (TCAP) user data that constitutes the content of the message.

9.4.2.3 If a BellSouth tandem switch routes calling traffic, based on dialed or translated digits, on SS7 trunks between an Z-Tel local switch and third party local switch, the BellSouth SS7 network shall convey the TCAP messages that are necessary to provide Call Management features (Automatic Callback, Automatic Recall, and Screening List Editing) between Z-Tel local STPs and the STPs that provide connectivity with the third party local switch, even if the third party local switch is not directly connected to BellSouth STPs.

9.4.2.4 STPs shall provide all functions of the MTP as defined in Telcordia (formerly BellCore) ANSI Interconnection Requirements. This includes:

9.4.2.4.1 Signaling Data Link functions, as defined in Telcordia (formerly BellCore) ANSI Interconnection Requirements;

9.4.2.4.2 Signaling Link functions, as defined in Telcordia (formerly BellCore) ANSI Interconnection Requirements; and

9.4.2.4.3 Signaling Network Management functions, as defined in Telcordia (formerly BellCore) ANSI Interconnection Requirements.

9.4.2.5 STPs shall provide all functions of the SCCP necessary for Class 0 (basic connectionless) service, as defined in Telcordia (formerly BellCore) ANSI Interconnection Requirements. In particular, this includes Global Title Translation (GTT) and SCCP Management procedures, as specified in T1.112.4. In cases where the destination signaling point is a Z-Tel or third party local or tandem switching system directly connected to BellSouth SS7 network, BellSouth shall perform final GTT of messages to the destination and SCCP Subsystem Management of the destination. In all other cases, BellSouth shall perform intermediate GTT of messages to a gateway pair of STPs in an SS7 network connected with BellSouth SS7 network, and shall not perform SCCP Subsystem Management of the destination. If BellSouth performs final GTT to a Z-Tel database, then Z-Tel agrees to provide BellSouth with the Destination Point Code for the Z-Tel database.

9.4.2.6 STPs shall provide on a non-discriminatory basis all functions of the OMAP commonly provided by STPs, as specified in the reference in Section 12.4.5 of this Attachment. All OMAP functions will be on a "where available" basis and can include:

9.4.2.6.1 MTP Routing Verification Test (MRVT); and

9.4.2.6.2 SCCP Routing Verification Test (SRVT).

9.4.2.7 In cases where the destination signaling point is a BellSouth local or tandem switching system or database, or is an Z-Tel or third party local or tandem switching system directly connected to the BellSouth SS7 network, STPs shall perform MRVT and SRVT to the destination signaling point. In all other cases, STPs shall perform MRVT and SRVT to a gateway pair of STPs in an SS7 network connected with the BellSouth SS7 network. This requirement shall be superseded by the specifications for Internetwork MRVT and SRVT if and when these become approved ANSI standards and available capabilities of BellSouth STPs, and if mutually agreed upon by Z-Tel and BellSouth.

9.4.2.8 STPs shall be on parity with BellSouth.

9.4.2.9 SS7 Advanced Intelligent Network (AIN) Access

9.4.2.9.1 When technically feasible and upon request by Z-Tel, SS7 Access shall be made available in association with switching. SS7 AIN Access is the provisioning of AIN 0.1 triggers in an equipped BellSouth local switch and interconnection of the BellSouth SS7 network with the Z-Tel SS7 network to exchange TCAP queries and responses with an Z-Tel SCP.

9.4.2.9.2 SS7 AIN Access shall provide Z-Tel SCP access to BellSouth local switch in association with switching via interconnection of BellSouth SS7 and Z-Tel SS7 Networks. BellSouth shall offer SS7 access through its STPs. If BellSouth requires a mediation device on any part of its network specific to this form of access, BellSouth must route its messages in the same manner. The interconnection arrangement shall result in the BellSouth local switch recognizing the Z-Tel SCP as at least at parity with BellSouth's SCP's in terms of interfaces, performance and capabilities.

9.4.3 Interface Requirements

9.4.3.1 BellSouth shall provide the following STPs options to connect Z-Tel or Z-Tel-designated local switching systems or STPs to the BellSouth SS7 network:

9.4.3.1.1 An A-link interface from Z-Tel local switching systems; and,

9.4.3.1.2 A B-link interface from Z-Tel local STPs.

9.4.3.2 Each type of interface shall be provided by one or more sets (layers) of signaling links.

9.4.3.3 The Signaling Point of Interconnection (SPOI) for each link shall be located at a cross-connect element, such as a DSX-1, in the Central Office (CO) where BellSouth STP is located. There shall be a DS1 or higher rate transport interface at each of the SPOIs. Each signaling link shall appear as a DS0 channel within the DS1 or higher

rate interface. BellSouth shall offer higher rate DS1 signaling for interconnecting Z-Tel local switching systems or STPs with BellSouth STPs as soon as these become approved ANSI standards and available capabilities of BellSouth STPs. BellSouth and Z-Tel will work jointly to establish mutually acceptable SPOIs..

9.4.3.4 BellSouth CO shall provide intraoffice diversity between the SPOIs and BellSouth STPs, so that no single failure of intraoffice facilities or equipment shall cause the failure of both B-links in a layer connecting to a BellSouth STP. BellSouth and Z-Tel will work jointly to establish mutually acceptable SPOIs.

9.4.3.5 STPs shall provide all functions of the MTP as defined in the applicable industry standard technical references.

9.4.3.6 Message Screening

9.4.3.6.1 BellSouth shall set message screening parameters so as to accept valid messages from Z-Tel local or tandem switching systems destined to any signaling point within BellSouth's SS7 network where the Z-Tel switching system has a legitimate signaling relation.

9.4.3.6.2 BellSouth shall set message screening parameters so as to pass valid messages from Z-Tel local or tandem switching systems destined to any signaling point or network accessed through BellSouth's SS7 network where the Z-Tel switching system has a legitimate signaling relation.

9.4.3.6.3 BellSouth shall set message screening parameters so as to accept and pass/send valid messages destined to and from Z-Tel from any signaling point or network interconnected through BellSouth's SS7 network where the Z-Tel SCP has a legitimate signaling relation.

9.4.4 STPs shall be equal to or better than all of the requirements for STPs set forth in the applicable industry standard technical references.

## 9.5 Service Control Points/Databases

9.5.1 Definition

9.5.1.1 Databases are the Network Elements that provide the functionality for storage of, access to, and manipulation of information required to offer a particular service and/or capability. Databases include, but are not limited to: Local Number Portability, LIDB, Toll Free Number Database, Automatic Location Identification/Data Management System, Calling Name Database, access to Service Creation

Environment and Service Management System (SCE/SMS) application databases and Directory Assistance.

9.5.2 A Service Control Point (SCP) is a specific type of Database functionality deployed in a Signaling System 7 (SS7) network that executes service application logic in response to SS7 queries sent to it by a switching system also connected to the SS7 network. Service Management Systems provide operational interfaces to allow for provisioning, administration and maintenance of subscriber data and service application data stored in SCPs.

9.5.3 Technical Requirements for SCPs/Databases

9.5.3.1 Requirements for SCPs/Databases within this section address storage of information, access to information (e.g. signaling protocols, response times), and administration of information (e.g., provisioning, administration, and maintenance). All SCPs/Databases shall be provided to Z-Tel in accordance with the following requirements.

9.5.3.2 BellSouth shall provide physical access to SCPs through the SS7 network and protocols with TCAP as the application layer protocol.

9.5.3.3 BellSouth shall provide physical interconnection to databases via industry standard interfaces and protocols (e.g. SS7, ISDN and X.25).

9.5.3.4 The reliability of interconnection options shall be consistent with requirements for diversity and survivability.

9.5.4 Database Availability

9.5.4.1 Call processing databases shall have a maximum unscheduled availability of 30 minutes per year. Unavailability due to software and hardware upgrades shall be scheduled during minimal usage periods and only be undertaken upon proper notification to providers, which might be impacted. Any downtime associated with the provision of call processing related databases will impact all service providers, including BellSouth, equally.

9.5.4.2 The operational interface provided by BellSouth shall complete Database transactions (i.e., add, modify, delete) for Z-Tel customer records stored in BellSouth databases within 3 days, or sooner where BellSouth provisions its own customer records within a shorter interval.

**9.6 Local Number Portability Database**

9.6.1 Definition

9.6.2 The Permanent Number Portability (PNP) database supplies routing numbers for calls involving numbers that have been ported from one local service provider to another. PNP is currently being worked in industry forums. The results of these forums will dictate the industry direction of PNP. BellSouth agrees to provide access to the PNP database at rates, terms and conditions as set forth by BellSouth and in accordance with an effective FCC or Commission directive.

**9.7 SS7 Network Interconnection**

9.7.1 Definition.

9.7.2 SS7 Network Interconnection is the interconnection of Z-Tel local Signaling Transfer Point Switches (STP) and Z-Tel local or tandem switching systems with BellSouth STPs. This interconnection provides connectivity that enables the exchange of SS7 messages among BellSouth switching systems and databases (DBs), Z-Tel local or tandem switching systems, and other third-party switching systems directly connected to the BellSouth SS7 network.

9.7.3 Technical Requirements

9.7.3.1 SS7 Network Interconnection shall provide connectivity to all components of the BellSouth SS7 network. These include:

9.7.3.1.1 BellSouth local or tandem switching systems;

9.7.3.1.2 BellSouth DBs; and

9.7.3.1.3 ther third-party local or tandem switching systems.

9.7.4 The connectivity provided by SS7 Network Interconnection shall fully support the functions of BellSouth switching systems and DBs and Z-Tel or other third-party switching systems with A-link access to the BellSouth SS7 network.

9.7.5 If traffic is routed based on dialed or translated digits between an Z-Tel local switching system and a BellSouth or other third-party local switching system, either directly or via a BellSouth tandem switching system, then it is a requirement that the BellSouth SS7 network convey via SS7 Network Interconnection the TCAP messages that are necessary to provide Call Management services (Automatic Callback, Automatic Recall, and Screening List Editing) between the Z-Tel local STPs and BellSouth or other third-party local switch.

9.7.6 When the capability to route messages based on Intermediate Signaling Network Identifier (ISNI) is generally available on BellSouth STPs, the BellSouth SS7 Network shall also convey TCAP messages using SS7 Network Interconnection in similar circumstances where the BellSouth switch routes traffic based on a Carrier Identification Code (CIC).

9.7.7 SS7 Network Interconnection shall provide all functions of the MTP as specified in ANSI T1.111. This includes:

9.7.7.1 Signaling Data Link functions, as specified in ANSI T1.111.2;

9.7.7.2 Signaling Link functions, as specified in ANSI T1.111.3; and

9.7.7.3 Signaling Network Management functions, as specified in ANSI T1.111.4.

9.7.8 SS7 Network Interconnection shall provide all functions of the SCCP necessary for Class 0 (basic connectionless) service, as specified in ANSI T1.112. In particular, this includes Global Title Translation (GTT) and SCCP Management procedures, as specified in T1.112.4. Where the destination signaling point is a BellSouth switching system or DB, or is another third-party local or tandem switching system directly connected to the BellSouth SS7 network, SS7 Network Interconnection shall include final GTT of messages to the destination and SCCP Subsystem Management of the destination. Where the destination signaling point is an Z-Tel local or tandem switching system, SS7 Network Interconnection shall include intermediate GTT of messages to a gateway pair of Z-Tel local STPs, and shall not include SCCP Subsystem Management of the destination.

9.7.9 SS7 Network Interconnection shall provide all functions of the Integrated Services Digital Network User Part (ISDNUP), as specified in ANSI T1.113.

9.7.10 SS7 Network Interconnection shall provide all functions of the TCAP, as specified in ANSI T1.114.

9.7.11 If and when Internetwork MTP Routing Verification Test (MRVT) and SCCP Routing Verification Test (SRVT) become approved ANSI standards and available capabilities of BellSouth STPs, SS7 Network Interconnection shall provide these functions of the OMAP.

9.7.12 SS7 Network Interconnection shall be equal to or better than the following performance requirements:

9.7.12.1 MTP Performance, as specified in ANSI T1.111.6;

9.7.12.2 SCCP Performance, as specified in ANSI T1.112.5; and

9.7.12.3 ISDNUP Performance, as specified in ANSI T1.113.5.

9.7.13 Interface Requirements

9.7.13.1 BellSouth shall offer the following SS7 Network Interconnection options to connect Z-Tel or Z-Tel-designated local or tandem switching systems or STPs to the BellSouth SS7 network:

9.7.13.1.1 A-link interface from Z-Tel local or tandem switching systems; and

9.7.13.1.2 B-link interface from Z-Tel STPs.

9.7.13.2 The Signaling Point of Interconnection (SPOI) for each link shall be located at a cross-connect element, such as a DSX-1, in the Central Office (CO) where the BellSouth STP is located. There shall be a DS1 or higher rate transport interface at each of the SPOIs. Each signaling link shall appear as a DS0 channel within the DS1 or higher rate interface. BellSouth shall offer higher rate DS1 signaling links for interconnecting Z-Tel local switching systems or STPs with BellSouth STPs as soon as these become approved ANSI standards and available capabilities of BellSouth STPs. BellSouth and Z-Tel will work jointly to establish mutually acceptable SPOI.

9.7.13.3 BellSouth CO shall provide intraoffice diversity between the SPOIs and the BellSouth STP, so that no single failure of intraoffice facilities or equipment shall cause the failure of both B-links in a layer connecting to a BellSouth STP. BellSouth and Z-Tel will work jointly to establish mutually acceptable SPOI.

9.7.13.4 The protocol interface requirements for SS7 Network Interconnection include the MTP, ISDNUP, SCCP, and TCAP. These protocol interfaces shall conform to the applicable industry standard technical references. :

9.7.13.5 BellSouth shall set message screening parameters to accept messages from Z-Tel local or tandem switching systems destined to any signaling point in the BellSouth SS7 network with which the Z-Tel switching system has a legitimate signaling relation.

9.7.13.6 SS7 Network Interconnection shall be equal to or better than all of the requirements for SS7 Network Interconnection set forth in the applicable industry standard technical references.

**9.8 Rates**

The prices that Z-Tel shall pay to BellSouth for Network Elements and Other Services are set forth in Exhibit C to this Attachment.

## 10. Operator Call Processing, Inward Operator Services and Directory Assistance Services

10.1 All of the negotiated rates, terms and conditions set forth in this Section pertain to the provision of Operator Call Processing, Inward Operator Services and Directory Assistance Services.

### 10.2 Operator Systems

10.2.1 Definition. Operator Systems is the Network Element that provides operator and automated call handling and billing, special services, end user telephone listings and optional call completion services. The Operator Systems, Network Element provides two types of functions: Operator Service functions and Directory Assistance Service functions, each of which are described in detail below.

### 10.3 Operator Service

10.3.1 Definition. Operator Service provides: (1) operator handling for call completion (for example, collect, third number billing, and manual credit card calls), (2) operator or automated assistance for billing after the end user has dialed the called number (for example, credit card calls); and (3) special services including but not limited to Busy Line Verification and Emergency Line Interrupt (ELI), Emergency Agency Call, Operator-assisted Directory Assistance, and Rate Quotes.

10.3.2 Requirements

10.3.2.1 When Z-Tel requests BellSouth to provide Operator Services, the following requirements apply:

10.3.2.1.1 BellSouth shall complete 0+ and 0- dialed local calls.

10.3.2.1.2 BellSouth shall complete 0+ intraLATA toll calls.

10.3.2.1.3 BellSouth shall process calls that are billed to Z-Tel end user's calling card that can be validated by BellSouth.

10.3.2.1.4 BellSouth shall complete person-to-person calls.

10.3.2.1.5 BellSouth shall complete collect calls.

10.3.2.1.6 BellSouth shall provide the capability for callers to bill to a third party and complete such calls.

10.3.2.1.7 BellSouth shall complete station-to-station calls.

10.3.2.1.8 BellSouth shall process emergency calls.

10.3.2.1.9 BellSouth shall process Busy Line Verify and Emergency Line Interrupt requests.

10.3.2.1.10 BellSouth shall process emergency call trace, as they do for their End users prior to the Effective Date. Call must originate from a 911 provider.

10.3.2.1.11 BellSouth shall process operator-assisted directory assistance calls.

10.3.2.1.12 BellSouth shall adhere to equal access requirements, providing Z-Tel local end users the same IXC access as provided to BellSouth end users.

10.3.2.1.13 BellSouth shall exercise at least the same level of fraud control in providing Operator Service to Z-Tel that BellSouth provides for its own operator service.

10.3.2.1.14 BellSouth shall perform Billed Number Screening when handling Collect, Person-to-Person, and Billed-to-Third-Party calls.

10.3.2.1.15 BellSouth shall direct customer account and other similar inquiries to the customer service center designated by Z-Tel.

10.3.2.1.16 BellSouth shall provide a feed of customer call records in "EMI" format to Z-Tel in accordance with CLEC ODUF standards specified in Attachment 7.

10.3.3 Interface Requirements

10.3.3.1 With respect to Operator Services for calls that originate on local switching capability provided by or on behalf of Z-Tel, the interface requirements shall conform to the then current established system interface specifications for the platform used to provide Operator Service and the interface shall conform to industry standards.

**10.4 Directory Assistance Service**

10.4.1 Definition. Directory Assistance Service provides local end user telephone number listings with the option to complete the call at the callers direction separate and distinct from local switching.

10.4.2 Requirements

10.4.3 Directory Assistance Service shall provide up to two listing requests per call. If available and if requested by Z-Tel's end user, BellSouth shall provide caller-optional directory assistance call completion service at rates contained in this Attachment to one of the provided listings, equal to that which BellSouth provides its end users. If not available, Z-Tel may request such requirement pursuant to the Bona Fide Request/New Business Process as set forth in General Terms and Conditions.

10.4.4 Directory Assistance Service Updates

10.4.4.1 BellSouth shall update end user listings changes daily. These changes include:

10.4.4.1.1 New end user connections: BellSouth will provide service to Z-Tel that is equal to the service it provides to itself and its end users;

10.4.4.1.2 End user disconnections: BellSouth will provide service to Z-Tel that is equal to the service it provides to itself and its end users; and

10.4.4.1.3 End user address changes: BellSouth will provide service to Z-Tel that is equal to the service it provides to itself and its end users;

10.4.4.1.4 These updates shall also be provided for non-listed and non-published numbers for use in emergencies.

10.4.5 Branding for Operator Call Processing and Directory Assistance

10.4.5.1 The BellSouth Operator Systems Branding Feature provides a definable announcement to Z-Tel end users using Directory Assistance (DA)/Operator Call Processing (OCP) prior to placing them in queue or connecting them to an available operator or automated operator system. This feature allows Z-Tel to have its calls custom branded with Z-Tel's name on whose behalf BellSouth is providing Directory Assistance and/or Operator Call Processing. Rates for Custom Branding, Operator Call Process and Directory Assistance are set forth in this Attachment.

10.4.5.2 BellSouth offers four service levels of branding to Z-Tel when ordering Directory Assistance and/or Operator Call Processing.

10.4.5.2.1 Service Level 1 - BellSouth Branding

10.4.5.2.2 Service Level 2 - Unbranded

10.4.5.2.3 Service Level 3 - Custom Branding

10.4.5.2.4 Service Level 4 - Self Branding (applicable only to Z-Tel for Resale or use with an Unbundled Port when routing to an operator service provider other than BellSouth).

10.4.6 For Resellers and Use with an Unbundled Port

10.4.6.1 BellSouth Branding is the Default Service Level.

10.4.6.2 Unbranding, Custom Branding, and Self Branding require Z-Tel to order selective routing for each originating BellSouth end office identified by Z-Tel. Rates for Selective Routing are set forth in this Attachment.

10.4.6.3 Customer Branding and Self Branding require Z-Tel to order dedicated trunking from each BellSouth end office identified by Z-Tel, to either the BellSouth Traffic Operator Position System (TOPS) or Z-Tel Operator Service Provider. Rates for trunks are set forth in applicable BellSouth tariffs.

10.4.6.4 Unbranding - Unbranded Directory Assistance and/or Operator Call Processing calls ride common trunk groups provisioned by BellSouth from those end offices identified by Z-Tel to the BellSouth TOPS. These calls are routed to "No Announcement."

10.4.7 For Facilities Based Carriers

10.4.7.1 All Service Levels require Z-Tel to order dedicated trunking from their end office(s) point of interface to the BellSouth TOPS Switches. Rates for trunks are set forth in applicable BellSouth tariffs.

10.4.7.2 Customized Branding includes charges for the recording of the branding announcement and the loading of the audio units in each TOPS Switch, IVS and NAV equipment for which Z-Tel requires service.

10.4.8 Directory Assistance customized branding uses:

10.4.8.1 the recording of the name;

10.4.8.2 the front-end loading of the Digital Recorded Announcement Machine (DRAM) in each TOPS switch.

10.4.9 Operator Call Processing customized branding uses:

10.4.9.1 the recording of the name;

10.4.9.2 the front-end loading of the DRAM in the TOPS Switch;

10.4.9.3 the back-end loading in the audio units in the Automated Alternate Billing System (AABS) in the Interactive Voice Subsystem (IVS);

10.4.9.4 the 0- automation loading for the audio units in the Enhanced Billing and Access Service (EBAS) in the Network Applications Vehicle (NAV).

10.4.9.5 BellSouth will provide to Z-Tel purchasing local BellSouth switching and reselling BellSouth local exchange service, selective routing of calls to a requested directory assistance services platform or operator services platform. Z-Tel end users may use the same dialing arrangements as BellSouth end users, but obtain a Z-Tel branded service.

## 10.5 Directory Assistance Database Service (DADS)

10.5.1 BellSouth shall make its Directory Assistance Database Service (DADS) available solely for the expressed purpose of providing Directory Assistance type services to Z-Tel end users. The term "end user" denotes any entity which obtains Directory Assistance type services for its own use from a DADS customer. Directory Assistance type service is defined as Voice Directory Assistance (DA Operator assisted and Electronic Directory Assistance (Data System assisted)). Z-Tel agrees that Directory Assistance Database Service (DADS) will not be used for any purpose which violates federal or state laws, statutes, regulatory orders or tariffs. Except for the permitted users, Z-Tel agrees not to disclose DADS to others and shall provide due care in providing for the security and confidentiality of DADS. Further, Z-Tel authorizes the inclusion of Z-Tel Directory Assistance listings in the BellSouth Directory Assistance products.

10.5.2 BellSouth shall provide Z-Tel initially with a base file of subscriber listings which reflect all listing change activity occurring since Z-Tel's most recent update via magnetic tape, and subsequently using electronic connectivity such as Network Data Mover to be developed mutually by Z-Tel and BellSouth. Z-Tel agrees to assume the costs associated with CONNECT: Direct ™ connectivity, which will vary depending upon volume and mileage.

10.5.3 BellSouth will require approximately one month after receiving an order to prepare the Base File. BellSouth will provide daily updates which will reflect all listing change activity occurring since CLEC's most recent update. BellSouth shall provide updates to Z-Tel on a Business, Residence, or combined Business and Residence basis. Z-Tel agrees that the updates shall be used solely to keep the information current. Delivery of Daily Updates will commence the day after Z-Tel receives the Base File.

10.5.4 BellSouth is authorized to include Z-Tel Directory Assistance Listing Information in its Directory Assistance Database Service (DADS). Any other use by BellSouth of Z-Tel Directory Assistance Listing Information is not authorized and with the exception of a request for DADS, BellSouth shall refer any request for such information to Z-Tel.

10.5.5 Rates for DADS are as set forth in this Attachment.

## 10.6 Direct Access to Directory Assistance Service

10.6.1 Direct Access to Directory Assistance Service (DADAS) will provide Z-Tel's directory assistance operators with the ability to search all available BellSouth's subscriber listings using the Directory Assistance search format. Subscription to

DADAS will allow Z-Tel to utilize its own switch, operator workstations and optional audio subsystems.

10.6.2 BellSouth will provide DADAS from its DA location. Z-Tel will access the DADAS system via a telephone company provided point of availability. Z-Tel has the responsibility of providing the physical links required to connect to the point of availability. These facilities may be purchased from the telephone company as rates and charges billed separately from the charges associated with this offering.

10.6.3 A specified interface to each Z-Tel subsystem will be provided by BellSouth. Interconnection between Z-Tel's system and a specified BellSouth location will be pursuant to the use of Z-Tel owned or Z-Tel leased facilities and shall be appropriate sized based upon the volume of queries being generated by Z-Tel.

10.6.4 The specifications for the three interfaces necessary for interconnection are available in the following documents:

10.6.4.1 DADAS to Subscriber Operator Position System—Northern Telecom Document CSI-2300-07; Universal Gateway/ Position Message Interface Format Specification;

10.6.4.2 DADAS to Subscriber Switch—Northern Telecom Document Q210-1 Version A107; NTDMS/CCIDAS System Application Protocol; and AT&T Document 250-900-535 Operator Services Position System Listing Service and Application Call Processing Data Link Interface Specification;

10.6.4.3 DADAS to Audio Subsystem (Optional)—Directory One Call Control to Audio Response Unit system interface specifications are available through Northern Telecom as a licensed access protocol—Northern Telecom Document 355-004424 and Gateway/Interactive Voice subsystem Protocol Specification.

10.6.5 Rates for DADAS are as set forth in this Attachment.

10.7 **Automatic Location Identification/Data Management System (ALI/DMS)**

10.7.1 The ALI/DMS Database contains end user information (including name, address, telephone information, and sometimes special information from the local service provider or end user) used to determine to which Public Safety Answering Point (PSAP) to route the call. The ALI/DMS database is used to provide more routing flexibility for E911 calls than Basic 911. BellSouth shall provide the Emergency Services Database in accordance with the following:

10.7.2 Technical Requirements

10.7.2.1 ellSouth shall offer Z-Tel a data link to the ALI/DMS database or permit Z-Tel to provide its own data link to the ALI/DMS database. BellSouth shall provide error

reports from the ALI/DMS database to Z-Tel immediately after Z-Tel inputs information into the ALI/DMS database. Alternately, Z-Tel may utilize BellSouth, to enter end user information into the data base on a demand basis, and validate end user information on a demand basis.

10.7.2.2 The ALI/DMS database shall contain the following end user information:

10.7.2.2.1 Name;

10.7.2.2.2 Address;

10.7.2.2.3 Telephone number; and

10.7.2.2.4 Other information as appropriate (e.g., whether a end user is blind or deaf or has another disability).

10.7.2.3 When BellSouth is responsible for administering the ALI/DMS database in its entirety, ported number NXXs entries for the ported numbers should be maintained unless Z-Tel requests otherwise and shall be updated if Z-Tel requests, provided Z-Tel supplies BellSouth with the updates.

10.7.2.4 When Remote Call Forwarding (RCF) is used to provide number portability to the local end user and a remark or other appropriate field information is available in the database, the shadow or "forwarded-to" number and an indication that the number is ported shall be added to the customer record.

10.7.2.5 If BellSouth is responsible for configuring PSAP features (for cases when the PSAP or BellSouth supports an ISDN interface) it shall ensure that CLASS Automatic Recall (Call Return) is not used to call back to the ported number. Although BellSouth currently does not have ISDN interface, BellSouth agrees to comply with this requirement once ISDN interfaces are in place.

10.7.3 Interface Requirements

The interface between the E911 Switch or Tandem and the ALI/DMS database for Z-Tel end users shall meet industry standards.

**10.8 Rates**

The prices that Z-Tel shall pay to BellSouth for Network Elements and Other Services are set forth in Exhibit C to this Attachment.

## 11. Calling Name (CNAM) Database Service

11.1 All of the negotiated rates, terms and conditions set forth in this Section pertain to the provision of CNAM.

11.2 The Agreement for Calling Name (CNAM) with standard pricing is included as Exhibit B to this Attachment. Z-Tel must provide to its account manager a written request with a requested activation date to activate this service. If Z-Tel is interested in requesting CNAM with volume and term pricing, Z-Tel must contact its account manager to request a separate CNAM volume and term Agreement.

11.3 SCPs/Databases shall be equal to or better than all of the requirements for SCPs/Databases set forth in the applicable industry standard technical references.

## 11.4 Service Creation Environment and Service Management System (SCE/SMS) Advanced Intelligent Network (AIN) Access

11.4.1 BellSouth's Service Creation Environment and Service Management System (SCE/SMS) Advanced Intelligent Network (AIN) Access shall provide Z-Tel the capability that will allow Z-Tel and other third parties to create service applications in a BellSouth Service Creation Environment and deploy those applications in a BellSouth SMS to a BellSouth SCP. The third party service applications interact with AIN triggers provisioned on a BellSouth SSP.

11.4.2 BellSouth's SCE/SMS AIN Access shall provide access to SCE hardware, software, testing and technical support (e.g., help desk, system administrator) resources available to Z-Tel. Scheduling procedures shall provide Z-Tel equivalent priority to these resources.

11.4.2 BellSouth SCP shall partition and protect Z-Tel service logic and data from unauthorized access, execution or other types of compromise.

11.4.3 When Z-Tel selects SCE/SMS AIN Access, BellSouth shall provide training, documentation, and technical support to enable Z-Tel to use BellSouth's SCE/SMS AIN Access to create and administer applications. Training, documentation, and technical support will address use of SCE and SMS access and administrative functions, but will not include support for the creation of a specific service application.

11.4.4 When Z-Tel selects SCE/SMS AIN Access, BellSouth shall provide for a secure, controlled access environment in association with its internal use of AIN components. Z-Tel access will be provided via remote data connection (e.g., dial-in, ISDN).

11.4.5 When Z-Tel selects SCE/SMS AIN Access, BellSouth shall allow Z-Tel to download data forms and/or tables to BellSouth SCP via BellSouth SMS without intervention from BellSouth (e.g., service customization and end user subscription).

## 11.5 Rates

The prices that Z-Tel shall pay to BellSouth for Network Elements and Other Services are set forth in Exhibit C to this Attachment.

## 12. Basic 911 and E911

12.1 All of the negotiated terms and conditions set forth in this Section pertain to the provision of Basic 911 and E911.

12.2 If Z-Tel orders network elements and other services, then Z-Tel is also responsible for providing E911 to its end users. BellSouth agrees to offer access to the 911/E911 network pursuant to the following terms and conditions set forth in this Attachment.

12.3 Definition

12.4 Basic 911 and E911 is an additional requirement that provides a caller access to the applicable emergency service bureau by dialing a 3-digit universal telephone number (911).

12.5 Requirements

12.5.1 Basic 911 Service Provisioning. For Basic 911 service, BellSouth will provide to Z-Tel a list consisting of each municipality that subscribes to Basic 911 service. The list will also provide, if known, the E911 conversion date for each municipality and, for network routing purposes, a ten-digit directory number representing the appropriate emergency answering position for each municipality subscribing to 911. Z-Tel will be required to arrange to accept 911 calls from its end users in municipalities that subscribe to Basic 911 service and translate the 911 call to the appropriate 10-digit directory number as stated on the list provided by BellSouth. Z-Tel will be required to route that call to BellSouth at the appropriate tandem or end office. When a municipality converts to E911 service, Z-Tel will be required to discontinue the Basic 911 procedures and being using E911 procedures.

12.5.2 E911 Service Provisioning. For E911 service, Z-Tel will be required to install a minimum of two dedicated trunks originating from the Z-Tel serving wire center and terminating to the appropriate E911 tandem. The dedicated trunks shall be, at a minimum, DS-0 level trunks configured either as a 2-wire analog interface or as part of a digital (1.544 Mb/s) interface. Either configuration shall use CAMA-type signaling with multifrequency ("MF") pulsing that will deliver automatic number identification ("ANI") with the voice portion of the call. If the user interface is digital, MF pulses, as well as other AC signals, shall be encoded per the u-255 Law convention. Z-Tel will be required to provide BellSouth daily updates to the E911 database. Z-Tel will be required to forward 911 calls to the appropriate E911 tandem, along with ANI, based upon the current E911 end office to tandem homing arrangement as provided by BellSouth. If the E911 tandem trunks are not available, Z-Tel will be required to route the call to a designated 7-digit local number residing in the appropriate Public Service Answering Point ("PSAP"). This call will be

transported over BellSouth's interoffice network and will not carry the ANI of the calling party. Z-Tel shall be responsible for providing BellSouth with complete and accurate data for submission to the 911/E911 database for the purpose of providing 911/E911 to its end users.

12.5.3 Rates. Charges for 911/E911 service are borne by the municipality purchasing the service. BellSouth will impose no charge on Z-Tel beyond applicable charges for BellSouth trunking arrangements.

12.5.4 Basic 911 and E911 functions provided to Z-Tel shall be at least at parity with the support and services that BellSouth provides to its end users for such similar functionality.

12.5.5 Detailed Practices and Procedures. The detailed practices and procedures contained in the E911 Local Exchange Carrier Guide For Facility-Based Providers as amended from time to time during the term of this Agreement will determine the appropriate practices and procedures for BellSouth and Z-Tel to follow in providing 911/E911 services.

## 13. True-Up

**This section applies only toTennessee and other rates that are interim or expressly subject to true-up under this attachment.**

13.1 The interim prices for Network Elements and Other Services and Local Interconnection shall be subject to true-up according to the following procedures:

13.2 The interim prices shall be trued-up, either up or down, based on final prices determined either by further agreement between the Parties, or by an effective order of the Commission which order meets the criteria of Section 13.4 below. The Parties shall implement the true-up by comparing the actual volumes and demand for each item, together with interim prices for each item, with the final prices determined for each item. Each Party shall keep its own records upon which the true-up can be based, and any final payment from one Party to the other shall be in an amount agreed upon by the Parties based on such records. In the event of any disagreement as between the records or the Parties regarding the amount of such true-up, the Parties agree that the body having jurisdiction over the matter shall be called upon to resolve such differences, or the Parties may mutually agree to submit the matter to the Dispute Resolution process in accordance with the provisions set forth in the General Terms and Conditions of the Agreement.

13.3 The Parties may continue to negotiate toward final prices, but in the event that no such Agreement is reached within nine (9) months, either Party may petition the Commission to resolve such disputes and to determine final prices for each item. Alternatively, upon mutual agreement, the Parties may submit the matter to the Dispute Resolution Process set forth in the General Terms and Conditions of the Agreement

13.4 An effective order of the Commission that forms the basis of a true up shall be based upon cost studies submitted by the parties to the Commission action and shall be binding upon BellSouth and Z-Tel specifically or upon all carriers generally, such as a generic cost proceeding.

**EXHIBIT A**

## LINE INFORMATION DATA BASE (LIDB) STORAGE AGREEMENT

## I. SCOPE

A. This Agreement sets forth the terms and conditions pursuant to which BellSouth agrees to store in its LIDB certain information at the request of Z-Tel and pursuant to which BellSouth, its LIDB customers and Z-Tel shall have access to such information. Z-Tel understands that BellSouth provides access to information in its LIDB to various telecommunications service providers pursuant to applicable tariffs and agrees that information stored at the request of Z-Tel, pursuant to this Agreement, shall be available to those telecommunications service providers. The terms and conditions contained in the attached Addendum(s) are hereby made a part of this Agreement as if fully incorporated herein.

B. LIDB is accessed for the following purposes:

1. Billed Number Screening
2. Calling Card Validation
3. Fraud Control

C. BellSouth will provide seven days per week, 24-hours per day, fraud monitoring on Calling Cards, bill-to-third and collect calls made to numbers in BellSouth's LIDB, provided that such information is included in the LIDB query. BellSouth will establish fraud alert thresholds and will notify Z-Tel of fraud alerts so that Z-Tel may take action it deems appropriate. Z-Tel understands and agrees BellSouth will administer all data stored in the LIDB, including the data provided by Z-Tel pursuant to this Agreement, in the same manner as BellSouth's data for BellSouth's end user customers. BellSouth shall not be responsible to Z-Tel for any lost revenue which may result from BellSouth's administration of the LIDB pursuant to its established practices and procedures as they exist and as they may be changed by BellSouth in its sole discretion from time to time.

Z-Tel understands that BellSouth currently has in effect numerous billing and collection agreements with various interexchange carriers and billing clearing houses. Z-Tel further understands that these billing and collection customers of BellSouth query BellSouth's LIDB to determine whether to accept various billing options from end users. Additionally, Z-Tel understands that presently BellSouth has no method to differentiate between BellSouth's own billing and line data in the LIDB and such data which it includes in the LIDB on Z-Tel's behalf pursuant to this Agreement. Therefore, until such time as BellSouth can and does implement in its LIDB and its supporting systems the means to differentiate Z-Tel's data from BellSouth's data and

the Parties to this Agreement execute appropriate amendments hereto, the following terms and conditions shall apply:

(a) Z-Tel agrees that it will accept responsibility for telecommunications services billed by BellSouth for its billing and collection customers for Z-Tel's end user accounts which are resident in LIDB pursuant to this Agreement. Z-Tel authorizes BellSouth to place such charges on Z-Tel's bill from BellSouth and agrees that it shall pay all such charges. Charges for which Z-Tel hereby takes responsibility include, but are not limited to, collect and third number calls.

(b) Charges for such services shall appear on a separate BellSouth bill page identified with the name of the entity for which BellSouth is billing the charge.

(c) Z-Tel shall have the responsibility to render a billing statement to its end users for these charges, but Z-Tel's obligation to pay BellSouth for the charges billed shall be independent of whether Z-Tel is able or not to collect from Z-Tel's end users.

(d) BellSouth shall not become involved in any disputes between Z-Tel and the entities for which BellSouth performs billing and collection. BellSouth will not issue adjustments for charges billed on behalf of an entity to Z-Tel. It shall be the responsibility of Z-Tel and the other entity to negotiate and arrange for any appropriate adjustments.

## II. TERM

This Agreement will be effective as of _____, and will continue in effect for one year, and thereafter may be continued until terminated by either Party upon thirty (30) days written notice to the other Party.

## III. FEES FOR SERVICE AND TAXES

A. Z-Tel will not be charged a fee for storage services provided by BellSouth to Z-Tel, as described in Section I of this Agreement.

B. Sales, use and all other taxes (excluding taxes on BellSouth's income) determined by BellSouth or any taxing authority to be due to any federal, state or local taxing jurisdiction with respect to the provision of the service set forth herein will be paid by Z-Tel. Z-Tel shall have the right to have BellSouth contest with the imposing jurisdiction, at Z-Tel's expense, any such taxes that Z-Tel deems are improperly levied.

## IV. INDEMNIFICATION

To the extent not prohibited by law, each Party will indemnify the other and hold the other harmless against any loss, cost, claim, injury, or liability relating to or arising out of negligence or willful misconduct by the indemnifying Party or its agents or contractors in connection with the indemnifying Party's provision of services, provided, however, that any indemnity for any loss, cost, claim, injury or liability arising out of or relating to errors or omissions in the provision of services under this Agreement shall be limited as otherwise specified in this Agreement. The indemnifying Party under this Section agrees to defend any suit brought against the other Party for any such loss, cost, claim, injury or liability. The indemnified Party agrees to notify the other Party promptly, in writing, of any written claims, lawsuits, or demands for which the other Party is responsible under this Section and to cooperate in every reasonable way to facilitate defense or settlement of claims. The indemnifying Party shall not be liable under this Section for settlement by the indemnified Party of any claim, lawsuit, or demand unless the defense of the claim, lawsuit, or demand has been tendered to it in writing and the indemnifying Party has unreasonably failed to assume such defense.

## V. LIMITATION OF LIABILITY

Neither Party shall be liable to the other Party for any lost profits or revenues or for any indirect, incidental or consequential damages incurred by the other Party arising from this Agreement or the services performed or not performed hereunder, regardless of the cause of such loss or damage.

## VI. MISCELLANEOUS

A. It is understood and agreed to by the Parties that BellSouth may provide similar services to other companies.

B. All terms, conditions and operations under this Agreement shall be performed in accordance with, and subject to, all applicable local, state or federal legal and regulatory tariffs, rulings, and other requirements of the federal courts, the U. S. Department of Justice and state and federal regulatory agencies. Nothing in this Agreement shall be construed to cause either Party to violate any such legal or regulatory requirement and either Party's obligation to perform shall be subject to all such requirements.

C. Z-Tel agrees to submit to BellSouth all advertising, sales promotion, press releases, and other publicity matters relating to this Agreement wherein BellSouth's corporate or trade names, logos, trademarks or service marks or those of BellSouth's affiliated companies are mentioned or language from which the connection of said names or

trademarks therewith may be inferred or implied; and Z-Tel further agrees not to publish or use advertising, sales promotions, press releases, or publicity matters without BellSouth's prior written approval.

D. This Agreement constitutes the entire Agreement between Z-Tel and BellSouth which supersedes all prior Agreements or contracts, oral or written representations, statements, negotiations, understandings, proposals and undertakings with respect to the subject matter hereof.

E. Except as expressly provided in this Agreement, if any part of this Agreement is held or construed to be invalid or unenforceable, the validity of any other Section of this Agreement shall remain in full force and effect to the extent permissible or appropriate in furtherance of the intent of this Agreement.

F. Neither Party shall be held liable for any delay or failure in performance of any part of this Agreement for any cause beyond its control and without its fault or negligence, such as acts of God, acts of civil or military authority, government regulations, embargoes, epidemics, war, terrorist acts, riots, insurrections, fires, explosions, earthquakes, nuclear accidents, floods, strikes, power blackouts, volcanic action, other major environmental disturbances, unusually severe weather conditions, inability to secure products or services of other persons or transportation facilities, or acts or omissions of transportation common carriers.

G. This Agreement shall be deemed to be a contract made under the laws of the State of Georgia, and the construction, interpretation and performance of this Agreement and all transactions hereunder shall be governed by the domestic law of such State.

# FACILITIES BASED ADDENDUM TO LINE INFORMATION DATA BASE (LIDB) STORAGE AGREEMENT

This is a Facilities Based Addendum to the Line Information Data Base Storage Agreement dated _____, between BellSouth Telecommunications, Inc. ("BellSouth"), and _____("Z-Tel"), effective the _____. day of _____, _____.

## I. GENERAL

This Addendum sets forth the terms and conditions for Z-Tel's provision of billing number information to BellSouth for inclusion in BellSouth's LIDB. BellSouth will store in its LIDB the billing number information provided by Z-Tel, and BellSouth will provide responses to on-line, call-by-call queries to this information for purposes specified in Section I.B. of the Agreement.

## II. DEFINITIONS

A. Billing number - a number that Z-Tel creates for the purpose of identifying an account liable for charges. This number may be a line or a special billing number.

B. Line number - a ten digit number that identifies a telephone line administered by Z-Tel.

C. Special billing number - a ten digit number that identifies a billing account established by Z-Tel.

D. Calling Card number - a billing number plus PIN number.

E. PIN number - a four digit security code assigned by Z-Tel which is added to a billing number to compose a fourteen digit calling card number.

F. Toll billing exception indicator - associated with a billing number to indicate that it is considered invalid for billing of collect calls or third number calls or both, by Z-Tel.

G. Billed Number Screening - refers to the activity of determining whether a toll billing exception indicator is present for a particular billing number

H. Calling Card Validation - refers to the activity of determining whether a particular calling card number exists as stated or otherwise provided by a caller.

I. Billing number information - information about billing number, Calling Card number and toll billing exception indicator provided to BellSouth by Z-Tel.

## III. RESPONSIBILITIES OF PARTIES

A. Z-Tel will provide its billing number information to BellSouth's LIDB each business day by a method that has been mutually agreed upon by both Parties.

B. BellSouth will store in its LIDB the billing number information provided by Z-Tel. Under normal operating conditions, BellSouth shall include Z-Tel's billing number information in its LIDB no later than two business days following BellSouth's receipt of such billing number information, provided that BellSouth shall not be held responsible for any delay or failure in performance to the extent such delay or failure is caused by circumstances or conditions beyond BellSouth's reasonable control. BellSouth will store in its LIDB an unlimited volume of Z-Tel's working telephone numbers.

C. BellSouth will provide responses to on-line, call-by-call queries to the stored information for the specific purposes listed in the next paragraph.

D. BellSouth is authorized to use the billing number information provided by Z-Tel to perform the following functions for authorized users on an on-line basis:

1. Validate a 14 digit Calling Card number where the first 10 digits are a line number or special billing number assigned by Z-Tel, and where the last four digits (PIN) are a security code assigned by Z-Tel.

2. Determine whether Z-Tel or the subscriber has identified the billing number as one which should not be billed for collect or third number calls, or both.

E. Z-Tel will provide its own billing number information to BellSouth for storage and to be used for Billed Number Screening and Calling Card Validation. Z-Tel will arrange and pay for transport of updates to BellSouth.

## IV. COMPLIANCE

Unless expressly authorized in writing by Z-Tel, all billing number information provided pursuant to this Addendum shall be used for no purposes other than those set forth in this Addendum.

**EXHIBIT B**

## CALLING NAME DELIVERY (CNAM) DATABASE SERVICES

### 1. Definitions

For the purpose of this Attachment, the following terms shall be defined as:

**CALLING NAME DELIVERY DATABASE SERVICE (CNAM)** - The ability to associate a name with the calling party number, allowing the end user subscriber (to which a call is being terminated) to view the calling party's name before the call is answered. This service also provides Z-Tel the opportunity to load and store its subscriber names in the BellSouth CNAM SCPs.

**CALLING PARTY NUMBER (CPN)** - The number of the calling party that is delivered to the terminating switch using common channel signaling system 7 (CCS7) technology, and that is contained in the Initial Address Message (IAM) portion of the CCS7 call setup.

**COMMON CHANNEL SIGNALING SYSTEM 7 (CCS7)** - A network signaling technology in which all signaling information between two or more nodes is transmitted over high-speed data links, rather than over voice circuits.

**SERVICE CONTROL POINTs (SCPs)** - The real-time data base systems that contain the names to be provided in response to queries received from CNAM SSPs.

**SERVICE MANAGEMENT SYSTEM (SMS)** - The main operations support system of CNAM DATABASE SERVICE. CNAM records are loaded into the SMS, which in turn downloads into the CNAM SCP.

**SERVICE SWITCHING POINTs (SSPs)** - Features of computerized switches in the telephone network that determine that a terminating line has subscribed to CNAM service, and then communicate with CNAM SCPs in order to provide the name associated with the calling party number.

**SUBSYSTEM NUMBER (SSN)** - The address used in the Signaling Connection Control Part (SCCP) layer of the SS7 protocol to designate an application at an end signaling point. A SSN for CNAM at the end office designates the CNAM application within the end office. BellSouth uses the CNAM SSN of 232.

### 2. Attachment

2.1 This Attachment contains the terms and conditions where BellSouth will provide to the Z-Tel access to the BellSouth CNAM SCP for query or record storage purposes.

2.2 Z-Tel shall submit to BellSouth a notice of its intent to access and utilize BellSouth CNAM Database Services pursuant to the terms and conditions of this Attachment. Said notice shall be in writing, no less than 60 days prior to Z-Tel's access to BellSouth's CNAM Database Services and shall be addressed to Z-Tel's Account Manager.

**3. Physical Connection and Compensation**

3.1 BellSouth's provision of CNAM Database Services to Z-Tel requires interconnection from Z-Tel to BellSouth CNAM Service Control Points (SCPs). Such interconnections shall be established pursuant to Attachment 3 of this Agreement . The appropriate charge for access to and use of the BellSouth CNAM Database service shall be as set forth in this Attachment.

3.2 In order to formulate a CNAM query to be sent to the BellSouth CNAM SCP, Z-Tel shall provide its own CNAM SSP. Z-Tel's CNAM SSPs must be compliant with TR-NWT-001188, "CLASS Calling Name Delivery Generic Requirements".

3.3 If Z-Tel elects to access the BellSouth CNAM SCP via a third party CCS7 transport provider, the third party CCS7 provider shall interconnect with the BellSouth CCS7 network according to BellSouth's Common Channel Signaling Interconnection Guidelines and Telcordia (formerly BellCore)'s CCS Network Interface Specification document, TR-TSV-000905. In addition, the third party provider shall establish CCS7 interconnection at the BellSouth Local Signal Transfer Points (LSTPs) serving the BellSouth CNAM SCPs that Z-Tel desires to query.

3.4 Out-Of-Region Customers
If the customer queries the BellSouth CNAM SCP via a third party national SS7 transport provider, the third party SS7 provider shall interconnect with the BellSouth CCS7 network according to BellSouth's Common Channel Signaling Interconnection Guidelines and Telcordia's (formerly BellCore's) CCS Network Interface Specification document, TR-TSV-000905. In addition, the third party provider shall establish SS7 interconnection at one or more of the BellSouth Gateway Signal Transfer Points (STPs). The payment of all costs associated with the transport of SS7 signals via a third party will be established by mutual agreement of the Parties in writing and shall, by this reference become an integral part of this Agreement.

**4. CNAM Record Initial Load and Updates**

4.1 The mechanism to be used by Z-Tel for initial CNAM record load and/or updates shall be determined by mutual agreement. The initial load and all updates shall be provided by Z-Tel in the BellSouth specified format and shall contain records for

every working telephone number that can originate phone calls. It is the responsibility of Z-Tel to provide accurate information to BellSouth on a current basis.

4.2 Updates to the SMS shall occur no less than once a week, reflect service order activity affecting either name or telephone number, and involve only record additions, deletions or changes.

4.3 Z-Tel CNAM records provided for storage in the BellSouth CNAM SCP shall be available, on a SCP query basis only, to all Parties querying the BellSouth CNAM SCP. Further, CNAM service shall be provided by each Party consistent with state and/or federal regulation.

**BELLSOUTH/Z-TEL RATES**
**NETWORK ELEMENTS**
**AND OTHER SERVICES**

| DESCRIPTION | USOC | AL | FL | GA | KY | LA | MS | NC | SC | TN |
|---|---|---|---|---|---|---|---|---|---|---|
| **NIDs** | | | | | | | | | | |
| **NID (all types), per month** | UNDAX | NA | $1.08 | NA | $1 80 | NA | NA | $0 52 | NA | $0 56 |
| **Installation of 2-Wire/4Wire CLEC NID** | UNDAX | | | | | | | | | |
| NRC - 1st | UNDAX | NA | $70.32 | NA | NA | NA | NA | NA | NA | NA |
| NRC - Add'l | UNDAX | NA | $54.35 | NA | NA | NA | NA | NA | NA | NA |
| **NID to NID Cross Connect, 2-Wire or 4-Wire, NRC** | UNDC2 | NA | $6 15 | NA | NA | NA | NA | NA | NA | NA |
| **NID per 2-Wire Analog VG Loop, Per Month** | UNDAX | $1.18 | NA | $1.10 | NA | $1 09 | $1 22 | $1 01 | $1 13 | NA |
| NRC - 1st | UNDAX | $1.44 | NA | $2 10 | NA | $2 02 | $2 84 | $1 42 | $1 36 | NA |
| NRC - Add'l | UNDAX | $1.44 | NA | $2 10 | NA | $2 02 | $2 84 | $1 42 | $1 36 | NA |
| NRC - Disconnect Charge - 1st | UNDAX | $1 44 | NA | NA | NA | $2.01 | $2 84 | NA | NA | NA |
| NRC - Disconnect Charge - Add'l | UNDAX | $1 44 | NA | NA | NA | $2 01 | $2 84 | NA | NA | NA |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAN | $27.37 | NA | $18 94 | NA | $18 14 | $25 52 | $26 94 | $44 42 | NA |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAN | $12.97 | NA | $8.42 | NA | $8 06 | $11 34 | $12 76 | $13 55 | NA |
| NRC - Incremental Charge - Manual Service Order - Disconnect - 1st | SOMAN | $17.77 | NA | NA | NA | $11 41 | $16 06 | NA | NA | NA |
| **NID per 4-Wire Analog VG Loop, Per Month** | UNDAX | $1 30 | NA | $1 21 | NA | $1 22 | $1 34 | $1 14 | $1 25 | NA |
| NRC - 1st | UNDAX | $1 44 | NA | $2 10 | NA | $2 02 | $2 84 | $1 42 | $1 35 | NA |
| NRC - Add'l | UNDAX | $1.44 | NA | $2 10 | NA | $2 02 | $2 84 | $1 42 | $1 35 | NA |
| NRC - Disconnect Charge - 1st | UNDAX | $1.44 | NA | NA | NA | $2.01 | $2 84 | NA | NA | NA |
| NRC - Disconnect Charge - Add'l | UNDAX | $1.44 | NA | NA | NA | $2 01 | $2 84 | NA | NA | NA |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAN | $27 37 | NA | $18 94 | NA | $18 14 | $25 52 | $26 94 | $44 06 | NA |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAN | $12 97 | NA | $8 42 | NA | $8 06 | $11 34 | $12 76 | $13 55 | NA |
| NRC - Incremental Charge - Manual Service Order - Disconnect - 1st | SOMAN | $17.77 | NA | NA | NA | $11 41 | $16 06 | NA | NA | NA |
| **NID per 2-Wire ISDN Digital VG Loop, Per Month** | UNDAX | $1 18 | NA | $1 10 | NA | $1 08 | $1 22 | $1 01 | $1 13 | NA |
| NRC - 1st | UNDAX | $1.44 | NA | $2 10 | NA | $2 02 | $2 84 | $1 42 | $1 36 | NA |
| NRC - Add'l | UNDAX | $1.44 | NA | $2 10 | NA | $2.02 | $2 84 | $1 42 | $1 36 | NA |
| NRC - Disconnect Charge - 1st | UNDAX | $1.44 | NA | NA | NA | $2.01 | $2 84 | NA | NA | NA |
| NRC - Disconnect Charge - Add'l | UNDAX | $1.44 | NA | NA | NA | $2 01 | $2 84 | NA | NA | NA |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAN | $27.37 | NA | $18 94 | NA | $18 14 | $25 52 | $26 94 | $44 42 | NA |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAN | $12 97 | NA | $8 42 | NA | $8 06 | $11 34 | $12 76 | $13 55 | NA |
| NRC - Incremental Charge - Manual Service Order - Disconnect - 1st | SOMAN | $17 77 | NA | NA | NA | $11 41 | $16 06 | NA | NA | NA |
| **NID per 2-Wire Asymmetrical Dig Subscriber Line (ADSL) Loop, Per Mo.** | UNDAX | $1.18 | NA | $1.10 | NA | $1 09 | $1 22 | $1 01 | $1 13 | NA |
| NRC - 1st | UNDAX | $1.44 | NA | $2.10 | NA | $2 02 | $2 84 | $1 42 | $1 36 | NA |
| NRC - Add'l | UNDAX | $1.44 | NA | $2.10 | NA | $2 02 | $2 84 | $1 42 | $1 36 | NA |
| NRC - Disconnect Charge - 1st | UNDAX | $1 44 | NA | NA | NA | $2 01 | $2 84 | NA | NA | NA |
| NRC - Disconnect Charge - Add'l | UNDAX | $1 44 | NA | NA | NA | $2 01 | $2 84 | NA | NA | NA |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAN | $27.37 | NA | $18 94 | NA | $18.14 | $25.52 | $26.94 | $44 42 | NA |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAN | $12 97 | NA | $8 42 | NA | $8.06 | $11 34 | $12 76 | $13 55 | NA |
| NRC - Incremental Charge - Manual Service Order - Disconnect -1st | SOMAN | $17 77 | NA | NA | NA | $11 41 | $16 06 | NA | NA | NA |
| **NID per 2-Wire High Bit Rate Dig Subscriber Line (HDSL) Loop** | UNDAX | $1.18 | NA | $1 10 | NA | $1 09 | $1 22 | $1 01 | $1.13 | NA |
| NRC - 1st | UNDAX | $1 44 | NA | $2.10 | NA | $2 02 | $2 84 | $1 42 | $1 36 | NA |
| NRC - Add'l | UNDAX | $1 44 | NA | $2 10 | NA | $2 02 | $2 84 | $1 42 | $1 36 | NA |
| NRC - Disconnect Charge - 1st | UNDAX | $1 44 | NA | NA | NA | $2 01 | $2 84 | NA | NA | NA |
| NRC - Disconnect Charge - Add'l | UNDAX | $1.44 | NA | NA | NA | $2 01 | $2 84 | NA | NA | NA |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAN | $27 37 | NA | $18 94 | NA | $18 14 | $25 52 | $26 94 | $44 42 | NA |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAN | $12.97 | NA | $8 42 | NA | $8 06 | $11 34 | $12 76 | $13 55 | NA |
| NRC - Incremental Charge - Manual Service Order - Disconnect -1st | SOMAN | $17 77 | NA | NA | NA | $11 41 | $16 06 | NA | NA | NA |
| **NID per 4-Wire High Bit Rate Dig Subscriber Line (HDSL) Loop** | UNDAX | $1 30 | NA | $1 21 | NA | $1 21 | $1 34 | $1 14 | $1 25 | NA |
| NRC - 1st | UNDAX | $1 44 | NA | $2.10 | NA | $2 02 | $2 84 | $1 42 | $1 35 | NA |
| NRC - Add'l | UNDAX | $1.44 | NA | $2 10 | NA | $2 02 | $2 84 | $1 42 | $1 35 | NA |
| NRC - Disconnect Charge - 1st | UNDAX | $1.44 | NA | NA | NA | $2 01 | $2 84 | NA | NA | NA |
| NRC - Disconnect Charge - Add'l | UNDAX | $1.44 | NA | NA | NA | $2 01 | $2 84 | NA | NA | NA |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAN | $27 37 | NA | $18 94 | NA | $18 14 | $25 52 | $26 94 | $44 06 | NA |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAN | $12 97 | NA | $8.42 | NA | $8 06 | $11 34 | $12 76 | $13 55 | NA |

**BELLSOUTH/Z-TEL RATES**
**NETWORK ELEMENTS**
**AND OTHER SERVICES**

| DESCRIPTION | USOC | AL | FL | GA | KY | LA | MS | NC | SC | TN |
|---|---|---|---|---|---|---|---|---|---|---|
| NRC - Incremental Charge - Manual Service Order - Disconnect - 1st | SOMAN | $17 77 | NA | NA | NA | $11 41 | $16 06 | NA | NA | NA |
| **NID per 4-Wire 56 Kbps Dig Grade Loop** | UNDAX | $1.30 | NA | $1 21 | NA | $1 21 | $1 34 | $1 14 | $1 25 | NA |
| NRC - 1st | UNDAX | $1.44 | NA | $2 10 | NA | $2.02 | $2 84 | $1 42 | $1 35 | NA |
| NRC - Add'l | UNDAX | $1 44 | NA | $2 10 | NA | $2 02 | $2 84 | $1 42 | $1 35 | NA |
| NRC - Disconnect Charge - 1st | UNDAX | $1.44 | NA | NA | NA | $2 01 | $2 84 | NA | NA | NA |
| NRC - Disconnect Charge - Add'l | UNDAX | $1 44 | NA | NA | NA | $2 01 | $2 84 | NA | NA | NA |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAN | $27.37 | NA | $18 94 | NA | $18.14 | $25 52 | $26 94 | $44 06 | NA |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAN | $12.97 | NA | $8 42 | NA | $8 06 | $11 34 | $12 76 | $13 55 | NA |
| NRC - Incremental Charge - Manual Service Order - Disconnect - 1st | SOMAN | $17.77 | NA | NA | NA | $11 41 | $16 06 | NA | NA | NA |
| **NID per 4-Wire 64 Kbps Dig Grade Loop** | UNDAX | $1 30 | NA | $1 21 | NA | $1 21 | $1 34 | $1 14 | $1 25 | NA |
| NRC - 1st | UNDAX | $1.44 | NA | $2.10 | NA | $2 02 | $2 84 | $1 42 | $1 35 | NA |
| NRC - Add'l | UNDAX | $1.44 | NA | $2.10 | NA | $2 02 | $2 84 | $1 42 | $1 35 | NA |
| NRC - Disconnect Charge - 1st | UNDAX | $1.44 | NA | NA | NA | $2 01 | $2 84 | NA | NA | NA |
| NRC - Disconnect Charge - Add'l | UNDAX | $1 44 | NA | NA | NA | $2 01 | $2 84 | NA | NA | NA |
| NRC - Incremental Charge - Manual Svc Ord - 1st | SOMAN | $27.37 | NA | $18 94 | NA | $18 14 | $25 52 | $26 94 | $44 06 | NA |
| NRC - Incremental Charge - Manual Svc Ord - Add'l | SOMAN | $12.97 | NA | $8 42 | NA | $8 06 | $11 34 | $12 76 | $13 55 | NA |
| NRC - Incremental Charge - Manual Svc Ord - Disconnect - 1st | SOMAN | $17 77 | NA | NA | NA | $11 41 | $16 06 | NA | NA | NA |
| **NID per 2-Wire Unbundled Copper Loop, per month** | UNDAX | $1.55 | $1.55 | $1.55 | $1.55 | $1 55 | $1 55 | $1 55 | $1 55 | $1 55 |
| NRC - 1st | UNDAX | $5.60 | $5 60 | $5 60 | $5 60 | $5 60 | $5 60 | $5 60 | $5 60 | $5 60 |
| NRC - Add'l | UNDAX | $5 60 | $5 60 | $5.60 | $5 60 | $5 60 | $5 60 | $5 60 | $5 60 | $5 60 |
| NRC - Disconnect Charge - 1st | UNDAX | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| NRC - Disconnect Charge - Add'l | UNDAX | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| NRC - Incremental Charge - Manual Svc. Ord - 1st | SOMAN | $47.00 | $47 00 | $47 00 | $47 00 | $47 00 | $47 00 | $47 00 | $47 00 | $47 00 |
| NRC - Incremental Charge - Manual Svc. Ord - Add'l | SOMAN | $21.00 | $21 00 | $21 00 | $21 00 | $21 00 | $21 00 | $21 00 | $21 00 | $21 00 |
| NRC - Incremental Charge - Manual Svc. Ord. - Disconnect | SOMAN | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | | | | | | | | |
| **Nonrecurring Charge - customer transfer, feature additions, changes (1)** | | $5 00 | NA | NA | NA | NA | $5 00 | NA | NA | NA |
| | | | | | | | | | | |
| **LOOP, EXCLUDING NID** | | | | | | | | | | |
| **2-Wire Analog VG Loop (Standard), per month** | TBD | NA | NA | NA | $18.20 | NA | NA | NA | NA | NA |
| NRC - 1st | | NA | NA | NA | $86 08 | NA | NA | NA | NA | NA |
| NRC - Add'l | | NA | NA | NA | $58 57 | NA | NA | NA | NA | NA |
| **2-Wire Analog VG Loop (Customized), per month** | TBD | NA | NA | NA | $21.41 | NA | NA | NA | NA | NA |
| NRC - 1st | | NA | NA | NA | $236 75 | NA | NA | NA | NA | NA |
| NRC - Add'l | | NA | NA | NA | $177 10 | NA | NA | NA | NA | NA |
| **4-Wire Analog VG Loop (Standard), per month** | TBD | NA | NA | NA | $26 38 | NA | NA | NA | NA | NA |
| NRC - 1st | | NA | NA | NA | $457.14 | NA | NA | NA | NA | NA |
| NRC - Add'l | | NA | NA | NA | $348 83 | NA | NA | NA | NA | NA |
| **2-Wire ISDN Digital Grade Loop (Standard), per month** | TBD | NA | NA | NA | $29 65 | NA | NA | NA | NA | NA |
| NRC - 1st | | NA | NA | NA | $541.28 | NA | NA | NA | NA | NA |
| NRC - Add'l | | NA | NA | NA | $431 61 | NA | NA | NA | NA | NA |
| **2-Wire ADSL Loop (Standard), per month** | TBD | NA | NA | NA | $10 63 | NA | NA | NA | NA | NA |
| NRC - 1st | | NA | NA | NA | $713 50 | NA | NA | NA | NA | NA |
| NRC - Add'l | | NA | NA | NA | $609 44 | NA | NA | NA | NA | NA |
| **2-Wire HDSL Loop (Standard), per month** | TBD | NA | NA | NA | $7 40 | NA | NA | NA | NA | NA |
| NRC - 1st | | NA | NA | NA | $713 50 | NA | NA | NA | NA | NA |
| NRC - Add'l | | NA | NA | NA | $609 44 | NA | NA | NA | NA | NA |
| **4-Wire HDSL Loop (Standard), per month** | TBD | NA | NA | NA | $9 70 | NA | NA | NA | NA | NA |
| NRC - 1st | | NA | NA | NA | $748 93 | NA | NA | NA | NA | NA |
| NRC - Add'l | | NA | NA | NA | $646 17 | NA | NA | NA | NA | NA |
| | | | | | | | | | | |
| **LOOP, INCLUDING NID** | | | | | | | | | | |

**BELLSOUTH/Z-TEL RATES**
**NETWORK ELEMENTS**
**AND OTHER SERVICES**

| DESCRIPTION | USOC | AL | FL | GA | KY | LA | MS | NC | SC | TN |
|---|---|---|---|---|---|---|---|---|---|---|
| **2-Wire Analog VG Loop** | | | | | | | | | | |
| RC - Statewide, per month | UEAL2 | NA | NA | NA | NA | NA | NA | $16 71 | NA | $18 00 |
| RC - Zone 1, per month (Note 2) | TBD | NA | $13.75 | NA | NA | NA | NA | TBD | NA | $15 54 |
| RC - Zone 2, per month (Note 2) | TBD | NA | $20.13 | NA | NA | NA | NA | TBD | NA | $19 55 |
| RC - Zone 3, per month (Note 2) | TBD | NA | $44 40 | NA | NA | NA | NA | TBD | NA | $28 02 |
| RC - Zone 4, per month (Note 2) | TBD | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| NRC - 1st | UEAL2 | NA | $140.00 | NA | NA | NA | NA | $86 50 | NA | $58 50 |
| NRC - Add'l | UEAL2 | NA | $42.00 | NA | NA | NA | NA | $27 80 | NA | $31 00 |
| NRC - Incremental Charge - Order Coordination - Time Specific (per LSR) | OCOSL | NA | $55 00 | NA | NA | NA | NA | $55 00 | NA | $55 00 |
| **2-Wire Analog VG Loop-SL1** | | | | | | | | | | |
| RC - Statewide, per month | UEAL2 | NA | NA | NA | NA | NA | NA | $15 88 | NA | NA |
| RC - Zone 1, per month (Note 2) | TBD | $15.24 | $13.75 | $14 21 | $14 79 | $14 96 | $15.58 | TBD | $18 48 | $15 92 |
| RC - Zone 2, per month (Note 2) | TBD | $24.75 | $20.13 | $16.41 | $27 68 | $25.69 | $20 65 | TBD | $27 87 | $20 79 |
| RC - Zone 3, per month (Note 2) | TBD | $44 85 | $44.40 | $26 08 | $47 78 | $52.47 | $29 51 | TBD | $36 91 | $27 18 |
| RC - Zone 4, per month (Note 2) | TBD | NA | NA | NA | NA | NA | $38 94 | NA | NA | NA |
| NRC - 1st | UEAL2 | $59.03 | $80 00 | $42 54 | NA | $40 69 | $59 25 | $57 99 | $70 44 | $78 93 |
| NRC - Add'l | UEAL2 | $43.14 | $55.00 | $31 33 | NA | $29 96 | $43 67 | $42 37 | $44 05 | $50 98 |
| NRC - Disconnect Charge - 1st | UEAL2 | $15.21 | NA | NA | NA | $16 48 | $16 35 | NA | NA | NA |
| NRC - Disconnect Charge - Add'l | UEAL2 | $3.22 | NA | NA | NA | $3 36 | $4 06 | NA | NA | NA |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAN | $27 37 | NA | $18.94 | NA | $18 14 | $25 52 | $26.94 | $44 22 | NA |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAN | $12 97 | NA | $8 42 | NA | $8 06 | $11 34 | $12 76 | $13 55 | NA |
| NRC - Incremental Charge - Manual Service Order - Disconnect - 1st | SOMAN | $17.77 | NA | NA | NA | $11 41 | $16 06 | NA | NA | NA |
| NRC - Manual Order Coordination - 1st | TBD | NA | NA | NA | NA | NA | NA | $61 38 | NA | NA |
| NRC - Manual Order Coordination - addl | TBD | NA | NA | NA | NA | NA | NA | $61 38 | NA | NA |
| NRC - Incremental Charge - Order Coordination - Time Specific (per LSR) | TBD | NA | NA | NA | NA | NA | NA | $45 34 | NA | NA |
| NRC - Loop Make-Up | UEANM | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| **2-Wire Analog VG Loop-SL2 w/loop or ground start signaling** | | | | | | | | | | |
| RC - Statewide, per month | UEAL2 | NA | NA | NA | NA | NA | NA | $19 50 | NA | NA |
| RC - Zone 1, per month (Note 2) | TBD | $17 95 | $13.75 | $16.84 | $17 27 | $17 65 | $18 35 | TBD | $21 57 | $15 92 |
| RC - Zone 2, per month (Note 2) | TBD | $29.16 | $20.13 | $19 45 | $32 32 | $30 32 | $24.33 | TBD | $32 53 | $20 79 |
| RC - Zone 3, per month (Note 2) | TBD | $52 84 | $44 40 | $30 92 | $55.78 | $61 93 | $34 77 | TBD | $43 08 | $27 18 |
| RC - Zone 4, per month (Note 2) | TBD | NA | NA | NA | NA | NA | $45 88 | NA | NA | NA |
| NRC - 1st | UEAL2 | $145.46 | $140.00 | $104.17 | NA | $99.69 | $144 01 | $142 97 | $178 12 | $192 97 |
| NRC - Add'l | UEAL2 | $108 40 | $42 00 | $78 10 | NA | $74 73 | $107 70 | $106 56 | $128 80 | $140 72 |
| NRC - Disconnect Charge - 1st | UEAL2 | $40.31 | NA | NA | NA | $28 73 | $40 98 | NA | NA | NA |
| NRC - Disconnect Charge - Add'l | UEAL2 | $26.01 | NA | NA | NA | $18 87 | $26 95 | NA | NA | NA |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAN | $27.37 | NA | $18 94 | NA | $18 14 | $25 52 | $26 94 | $44.42 | NA |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAN | $12.97 | NA | $8 42 | NA | $8 06 | $11 34 | $12 76 | $13 55 | NA |
| NRC - Incremental Charge - Manual Service Order - Disconnect - 1st | SOMAN | $17 77 | NA | NA | NA | $11 41 | $26 95 | NA | NA | NA |
| NRC - Incremental Charge - Order Coordination - Time Specific (per LSR) | OCOSL | $45.99 | $55.00 | $34 22 | NA | $32 77 | $45.27 | $45 34 | $45 43 | $55 00 |
| **2-Wire Analog VG Loop-SL2 w/ reverse battery signaling** | | | | | | | | | | |
| RC - Statewide, per month | UEAR2 | NA | NA | NA | NA | NA | NA | $19 50 | NA | NA |
| RC - Zone 1, per month (Note 2) | TBD | $17.95 | $13 75 | $16 84 | $17 27 | $17 65 | $18 35 | TBD | $21 57 | $15 92 |
| RC - Zone 2, per month (Note 2) | TBD | $29.16 | $20 13 | $19 45 | $32 32 | $30 32 | $24 33 | TBD | $32 53 | $20 79 |
| RC - Zone 3, per month (Note 2) | TBD | $52 84 | $44 40 | $30 92 | $55 78 | $61 93 | $34 77 | TBD | $43 08 | $27 18 |
| RC - Zone 4, per month (Note 2) | TBD | NA | NA | NA | NA | NA | $45 88 | NA | NA | NA |
| NRC - 1st | UEAR2 | $145 46 | $140 00 | $104 17 | NA | $99 69 | $144 01 | $142 97 | $178 12 | $192 97 |
| NRC - Add'l | UEAR2 | $108.40 | $42 00 | $78 10 | NA | $74 73 | $107 70 | $106 56 | $128 80 | $140 72 |
| NRC - Disconnect Charge - 1st | UEAR2 | $40 31 | NA | NA | NA | $28 73 | $40 98 | NA | NA | NA |
| NRC - Disconnect Charge - Add'l | UEAR2 | $26 01 | NA | NA | NA | $18 87 | $26 95 | NA | NA | NA |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAN | $27 37 | NA | $18 94 | NA | $18 14 | $25 52 | $29 64 | $44 42 | NA |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAN | $12 97 | NA | $8 42 | NA | $8 06 | $11 34 | $12 76 | $13 55 | NA |

**BELLSOUTH/Z-TEL RATES**
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|---|---|---|---|---|---|---|---|---|---|---|
| NRC - Incremental Charge - Manual Service Order - Disconnect - 1st | SOMAN | $17.77 | NA | NA | NA | $11 41 | $26 95 | NA | NA | NA |
| NRC - Incremental Charge - Order Coordination - Time Specific (per LSR) | OCOCL | $45.99 | $55 00 | $34 22 | NA | $32 77 | $45 27 | $45 34 | $45 43 | $55 00 |
| **2-Wire Analog VG Loop (Standard)** | | | | | | | | | | |
| RC - Statewide, per month | UEAL2 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| RC - Zone 1, per month (Note 2) | TBD | NA | NA | NA | $14 79 | NA | NA | NA | NA | NA |
| RC - Zone 2, per month (Note 2) | TBD | NA | NA | NA | $27 68 | NA | NA | NA | NA | NA |
| RC - Zone 3, per month (Note 2) | TBD | NA | NA | NA | $47 78 | NA | NA | NA | NA | NA |
| RC - Zone 4, per month (Note 2) | TBD | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| NRC - 1st | UEAL2 | NA | NA | NA | $86 08 | NA | NA | NA | NA | NA |
| NRC - Add'l | UEAL2 | NA | NA | NA | $58 57 | NA | NA | NA | NA | NA |
| NRC - Loop Make-up | UEANM | NA | NA | NA | TBD | NA | NA | NA | NA | NA |
| NRC - Manual Order Coordination | UEAMC | NA | NA | NA | TBD | NA | NA | NA | NA | NA |
| NRC - Incremental Charge - Order Coordination - Time Specific (per LSR) | OCOSL | NA | NA | NA | $55 00 | NA | NA | NA | NA | NA |
| **2-Wire Analog VG Loop (Customized), w/ loop or ground start signaling** | | | | | | | | | | |
| RC - Statewide, per month | UEAL2 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| RC - Zone 1, per month (Note 2) | TBD | NA | NA | NA | $17 27 | NA | NA | NA | NA | NA |
| RC - Zone 2, per month (Note 2) | TBD | NA | NA | NA | $32 32 | NA | NA | NA | NA | NA |
| RC - Zone 3, per month (Note 2) | TBD | NA | NA | NA | $55 78 | NA | NA | NA | NA | NA |
| RC - Zone 4, per month (Note 2) | TBD | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| NRC - 1st | UEAL2 | NA | NA | NA | $236 75 | NA | NA | NA | NA | NA |
| NRC - Add'l | UEAL2 | NA | NA | NA | $177 10 | NA | NA | NA | NA | NA |
| NRC - Incremental Charge - Order Coordination - Time Specific (per LSR) | OCOSL | NA | NA | NA | $55 00 | NA | NA | NA | NA | NA |
| **2-Wire Analog VG Loop (Customized), w/ reverse battery signaling** | | | | | | | | | | |
| RC - Statewide, per month | UEAR2 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| RC - Zone 1, per month (Note 2) | TBD | NA | NA | NA | $17 27 | NA | NA | NA | NA | NA |
| RC - Zone 2, per month (Note 2) | TBD | NA | NA | NA | $32 32 | NA | NA | NA | NA | NA |
| RC - Zone 3, per month (Note 2) | TBD | NA | NA | NA | $55 78 | NA | NA | NA | NA | NA |
| RC - Zone 4, per month (Note 2) | TBD | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| NRC - 1st | UEAR2 | NA | NA | NA | $236 75 | NA | NA | NA | NA | NA |
| NRC - Add'l | UEAR2 | NA | NA | NA | $177 10 | NA | NA | NA | NA | NA |
| NRC - Incremental Charge - Order Coordination - Time Specific (per LSR) | OCOSL | NA | NA | NA | $55 00 | NA | NA | NA | NA | NA |
| **4-Wire Analog VG Loop** | | | | | | | | | | |
| RC - Statewide, per month | UEAL4 | NA | NA | NA | NA | NA | NA | $27 49 | NA | NA |
| RC - Zone 1, per month (Note 2) | TBD | $24.01 | $24 26 | $22.26 | NA | $24 36 | $22 38 | TBD | $29 47 | $15 92 |
| RC - Zone 2, per month (Note 2) | TBD | $39 00 | $35 51 | $25 70 | NA | $41 85 | $29 67 | TBD | $44 44 | $20 79 |
| RC - Zone 3, per month (Note 2) | TBD | $70.67 | $78.35 | $40 85 | NA | $85 47 | $42 40 | TBD | $58 85 | $27 18 |
| RC - Zone 4, per month (Note 2) | TBD | NA | NA | NA | NA | NA | $55 96 | NA | NA | NA |
| NRC - 1st | UEAL4 | $293.70 | $141.00 | $206 95 | NA | $198 10 | $289 06 | $288 47 | $383 39 | $58 50 |
| NRC - Add'l | UEAL4 | $241 76 | $43.00 | $170 57 | NA | $163 26 | $238 19 | $237 45 | $286 77 | $31 00 |
| NRC - Disconnect Charge - 1st | UEAL4 | $108.96 | NA | NA | NA | $74 27 | $108 14 | NA | NA | NA |
| NRC - Disconnect Charge - Add'l | UEAL4 | $57.01 | NA | NA | NA | $39 44 | $57 28 | NA | NA | NA |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAN | $27.37 | NA | $18 94 | NA | $18 14 | $25 52 | $26 94 | $44 06 | NA |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAN | $12 97 | NA | $8 42 | NA | $8 06 | $11 34 | $12 76 | $13 55 | NA |
| NRC - Incremental Charge - Manual Service Order - Disconnect - 1st | SOMAN | $17.77 | NA | NA | NA | $11 41 | $16 06 | NA | NA | NA |
| NRC - Incremental Charge - Order Coordination - Time Specific (per LSR) | OCOSL | $45.99 | $55.00 | $34.22 | NA | $32.77 | $45 27 | $45 34 | $45 43 | $55 00 |
| **4-Wire Analog VG Loop (Standard)** | | | | | | | | | | |
| RC - Statewide, per month | UEAL4 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| RC - Zone 1, per month (Note 2) | TBD | NA | NA | NA | $20 92 | NA | NA | NA | NA | NA |
| RC - Zone 2, per month (Note 2) | TBD | NA | NA | NA | $39 14 | NA | NA | NA | NA | NA |
| RC - Zone 3, per month (Note 2) | TBD | NA | NA | NA | $67 56 | NA | NA | NA | NA | NA |
| RC - Zone 4, per month (Note 2) | TBD | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| NRC - 1st | UEAL4 | NA | NA | NA | $457 14 | NA | NA | NA | NA | NA |

**BELLSOUTH/Z-TEL RATES**
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| DESCRIPTION | USOC | AL | FL | GA | KY | LA | MS | NC | SC | TN |
|---|---|---|---|---|---|---|---|---|---|---|
| NRC - Add'l | UEAL4 | NA | NA | NA | $348 83 | NA | NA | NA | NA | NA |
| NRC - Incremental Charge - Order Coordination - Time Specific (per LSR) | OCOSL | NA | NA | NA | $55 00 | NA | NA | NA | NA | NA |
| **2-Wire ISDN Digital Grade Loop** | | | | | | | | | | |
| RC - Statewide, per month | U1L2X | NA | NA | NA | NA | NA | NA | $24 98 | NA | NA |
| RC - Zone 1, per month (Note 2) | TBD | $23.23 | $32 34 | $21 89 | $23 66 | $21 15 | $21 86 | TBD | $26 68 | $15 92 |
| RC - Zone 2, per month (Note 2) | TBD | $37.74 | $47.35 | $25 27 | $44 28 | $36 22 | $28 97 | TBD | $40 24 | $20 79 |
| RC - Zone 3, per month (Note 2) | TBD | $68.38 | $104 47 | $40.17 | $76 42 | $74 19 | $41 40 | TBD | $53 29 | $27 18 |
| RC - Zone 4, per month (Note 2) | TBD | NA | NA | NA | NA | NA | $54 64 | NA | NA | NA |
| NRC - 1st | U1L2X | $331.85 | $306 00 | $233 38 | NA | $223.27 | $326 38 | $325 91 | $423 04 | $58 50 |
| NRC - Add'l | U1L2X | $255 87 | $283.00 | $180 35 | NA | $172 63 | $252 00 | $251 31 | $301 75 | $31 00 |
| NRC - Disconnect Charge - 1st | U1L2X | $108.95 | NA | NA | NA | $74 27 | $108 14 | NA | NA | NA |
| NRC - Disconnect Charge - Add'l | U1L2X | $57.01 | NA | NA | NA | $39 44 | $57 27 | NA | NA | NA |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAN | $27.37 | NA | $18 94 | NA | $18 14 | $25 52 | $26 94 | $44 42 | NA |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAN | $12.97 | NA | $8 42 | NA | $8.06 | $11 34 | $12 76 | $13 55 | NA |
| NRC - Incremental Charge - Manual Service Order - Disconnect - 1st | SOMAN | $17.77 | NA | NA | NA | $11 41 | $16 06 | NA | NA | NA |
| NRC - Incremental Charge - Order Coordination - Time Specific (per LSR) | OCOSL | $45.99 | $55.00 | $34.22 | $55 00 | $32 77 | $45 27 | $45 34 | $45 43 | $55 00 |
| **2-Wire ISDN Digital Grade Loop (Standard)** | | | | | | | | | | |
| RC - Statewide, per month | U1L2X | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| RC - Zone 1, per month (Note 2) | TBD | NA | NA | NA | $23 66 | NA | NA | NA | NA | NA |
| RC - Zone 2, per month (Note 2) | TBD | NA | NA | NA | $44 28 | NA | NA | NA | NA | NA |
| RC - Zone 3, per month (Note 2) | TBD | NA | NA | NA | $76 42 | NA | NA | NA | NA | NA |
| RC - Zone 4, per month (Note 2) | TBD | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| NRC - 1st | U1L2X | NA | NA | NA | $541 28 | NA | NA | NA | NA | NA |
| NRC - Add'l | U1L2X | NA | NA | NA | $431.61 | NA | NA | NA | NA | NA |
| NRC - Incremental Charge - Order Coordination - Time Specific (per LSR) | OCOSL | NA | NA | NA | $55 00 | NA | NA | NA | NA | NA |
| **2-Wire Universal Digital Carrier (UDC), statewide, per month** | | | | | | | | | | |
| Recurring | UDC | $29 03 | $28 07 | $25 43 | $31 99 | $27 36 | $29 83 | $24 98 | $32 47 | $21 64 |
| NRC - 1st - per circuit | UDC | $406.85 | $295 42 | $308 38 | $616 28 | $298 27 | $401 38 | $400 91 | $498 04 | $217 76 |
| NRC - Add'l - per circuit | UDC | $330.87 | $198.02 | $255 35 | $506 61 | $247 63 | $327 00 | $326 31 | $376 75 | $163 88 |
| NRC - Disconnect Charge - 1st | UDC | $108.95 | | | | $74 27 | $108 14 | | | $74 54 |
| NRC - Disconnect Charge - Add'l | UDC | $57.01 | | | | $39 44 | $57 27 | | | $39 14 |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAN | $27.37 | NA | $18 94 | NA | $18 14 | $25 52 | $26 94 | $44 42 | NA |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAN | $12.97 | NA | $8 42 | NA | $8 06 | $11 32 | $12 76 | $13 55 | NA |
| NRC - Incremental Charge - Manual Service Order - Disconnect - 1st | SOMAN | $17 77 | | | | $11 41 | $16 06 | | | |
| NRC - Incremental Charge - Manual Service Order - Disconnect - Additional | SOMAN | | | | | | | | | |
| **2-Wire Asymmetrical Dig Subscriber Line (ADSL) Compatible Loop, includes manual** | UAL2X | $15.11 | $15 81 | $13 05 | $11 89 | $15 39 | $14 83 | $14 60 | $20 81 | $18 46 |
| [illegible] | UAL2X | $12.09 | $12.78 | $11 23 | $8.79 | $11 90 | $10 87 | TBD | $17.10 | TBD |
| [illegible] | UAL2X | $19.64 | $18 72 | $12 97 | $16 46 | $20 43 | $14 40 | TBD | $25 79 | TBD |
| [illegible] | UAL2X | $35.59 | $41.29 | $20 62 | $28 40 | $41 73 | $20 58 | TBD | $34 15 | TBD |
| Zone 4 per month | UAL2X | NA | NA | NA | NA | NA | $27 16 | NA | NA | NA |
| NRC 1st | UAL2X | $514 21 | $113 85 | $359.73 | $713 50 | $343 13 | $504.82 | $504 90 | $600 61 | $640 79 |
| NRC Add'l | UAL2X | $464 58 | $99 61 | $325 15 | $609 44 | $310 03 | $456 24 | $456 17 | $507.33 | $541 94 |
| NRC - Disconnect Charge - 1st | UAL2X | $106.65 | NA | NA | NA | $72 54 | $105 86 | NA | NA | NA |
| NRC - Disconnect Charge - Add'l | SOMAN | $56.98 | NA | NA | NA | $39 42 | $57 25 | $26 94 | NA | NA |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAN | $27.37 | NA | $18 94 | NA | $18 14 | $25 52 | $12 76 | $44 42 | NA |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAN | $12.97 | NA | $8 42 | NA | $8 06 | $11 34 | NA | $13 55 | NA |
| NRC - Incremental Charge - Manual Service Order - Disconnect | SOMAN | $17 77 | NA | NA | NA | $11 41 | $16 06 | NA | NA | NA |
| NRC - Incremental Charge - Order Coordination - Time Specific (per LSR) | OCOSL | $45 99 | $55.00 | $34 22 | $55 00 | $32 77 | $45 27 | $45 34 | $45 43 | $55 00 |
| **2-Wire Asymmetrical Dig Subscriber Line (ADSL) Compatible Loop, without manual service inquiry and facility reservation, statewide, per month** | UAL2W | $15 11 | $15 81 | $13 05 | $11 89 | $15 39 | $14 83 | $14 60 | $20 81 | $18 46 |
| Zone 1, per month | UAL2W | $12 09 | $12.78 | $11 23 | $8 79 | $11 90 | $10 87 | TBD | $17 10 | TBD |
| Zone 2, per month | UAL2W | $19 64 | $18 72 | $12 97 | $16 46 | $20 43 | $14 40 | TBD | $25 79 | TBD |

**BELLSOUTH/Z-TEL RATES**
**NETWORK ELEMENTS**
**AND OTHER SERVICES**

| DESCRIPTION | USOC | AL | FL | GA | KY | LA | MS | NC | SC | TN |
|---|---|---|---|---|---|---|---|---|---|---|
| Zone 3, per month | UAL2W | $35 59 | $41 29 | $20 62 | $28 40 | $41 73 | $20 58 | TBD | $34 15 | TBD |
| Zone 4, per month | UAL2W | NA | NA | NA | NA | NA | $27 16 | NA | NA | NA |
| NRC - 1st | UAL2W | $375 21 | $113 85 | $220 73 | $574 50 | $204 13 | $365 82 | $365 90 | $461 60 | $501 79 |
| NRC - Add'l | UAL2W | $325.58 | $99 61 | $186 15 | $470 44 | $171.03 | $317 24 | $317 17 | $368 33 | $402 94 |
| NRC - Disconnect Charge - 1st | UAL2W | $106 65 | NA | NA | NA | $72 54 | $105 86 | NA | NA | NA |
| NRC - Disconnect Charge - Add'l | UAL2W | $56 98 | NA | NA | NA | $39 42 | $57 25 | $26 94 | NA | NA |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAN | $27.37 | NA | $18 94 | NA | $18 14 | $25 52 | $12 76 | $44 42 | NA |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAN | $12.97 | NA | $8.42 | NA | $8 06 | $11 34 | NA | $13 55 | NA |
| NRC - Incremental Charge - Manual Service Order - Disconnect | SOMAN | $17.77 | NA | NA | NA | $11.41 | $16.06 | NA | NA | NA |
| NRC - Incremental Charge - Order Coordination - Time Specific (per LSR) | OCOSL | $45.99 | $55 00 | $34 22 | $55 00 | $32 77 | $45 27 | $45 34 | $45 43 | $55 00 |
| **2-Wire High Bit Rate Dig Subscriber Line (HDSL) Compatible Loop, <u>includes</u> manual service inquiry and facility reservation, statewide, per month** | UHL2X | $11 76 | $12.12 | $9.15 | $8 51 | $11 61 | $11 60 | $11 98 | $14 86 | $13 46 |
| Zone 1, per month | UHL2X | $9.41 | $9 80 | $7 88 | $6 29 | $8 97 | $8 50 | TBD | $12 21 | TBD |
| Zone 2, per month | UHL2X | $15.29 | $14 35 | $9 09 | $11 78 | $15 41 | $11 26 | TBD | $18 41 | TBD |
| Zone 3, per month | UHL2X | $27.70 | $31 65 | $14 48 | $20 33 | $31 48 | $16 10 | TBD | $24 39 | TBD |
| Zone 4, per month | UHL2X | NA | NA | NA | NA | NA | $21 25 | NA | NA | NA |
| NRC - 1st | UHL2X | $514.21 | $113 85 | $359 73 | $713 50 | $343 13 | $504 82 | $504 90 | $600 61 | $640 79 |
| NRC - Add'l | UHL2X | $464.58 | $99 61 | $325 15 | $609 44 | $310 03 | $456 24 | $456 17 | $507 33 | $541 94 |
| NRC - Disconnect Charge - 1st | UHL2X | $106 65 | NA | NA | NA | $72 54 | $105 86 | NA | NA | NA |
| NRC - Disconnect Charge - Add'l | UHL2X | $56 98 | NA | NA | NA | $39 42 | $57 25 | NA | NA | NA |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAN | $27.37 | NA | $18 94 | NA | $18 14 | $25 52 | $26 94 | $44 42 | NA |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAN | $12.97 | NA | $8 42 | NA | $8 06 | $11 34 | $12 76 | $13 55 | NA |
| NRC - Incremental Charge - Manual Service Order - Disconnect | SOMAN | $17.77 | NA | NA | NA | $11.41 | $16 06 | NA | NA | NA |
| NRC - Incremental Charge - Order Coordination - Time Specific (per LSR) | OCOSL | $45.99 | $55.00 | $34.22 | $55 00 | $32 77 | $45 27 | $45 34 | $45 43 | $55 00 |
| **2-Wire High Bit Rate Dig Subscriber Line (HDSL) Compatible Loop, <u>without</u> manual service inquiry and facility reservation, statewide, per month** | UHL2W | $11 76 | $12.12 | $9 15 | $8 51 | $11 61 | $11 60 | $11 98 | $14 86 | $13 46 |
| Zone 1, per month | UHL2W | $9 41 | $9 80 | $7 88 | $6 29 | $8 97 | $8 50 | TBD | $12 21 | TBD |
| Zone 2, per month | UHL2W | $15.29 | $14.35 | $9 09 | $11.78 | $15.41 | $11 26 | TBD | $18 41 | TBD |
| Zone 3, per month | UHL2W | $27.70 | $31 65 | $14.48 | $20 33 | $31 48 | $16 10 | TBD | $24 39 | TBD |
| Zone 4, per month | UHL2W | NA | NA | NA | NA | NA | $21 25 | NA | NA | NA |
| NRC - 1st | UHL2W | $375 21 | $113.85 | $220.73 | $574 50 | $204 13 | $365 82 | $365 90 | $461 60 | $501 79 |
| NRC - Add'l | UHL2W | $325.58 | $99 61 | $186 15 | $470 44 | $171 03 | $317 24 | $317 17 | $368 33 | $402 94 |
| NRC - Disconnect Charge - 1st | UHL2W | $106.65 | NA | NA | NA | $72 54 | $105 86 | NA | NA | NA |
| NRC - Disconnect Charge - Add'l | UHL2W | $56 98 | NA | NA | NA | $39 42 | $57 25 | NA | NA | NA |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAN | $27 37 | NA | $18 94 | NA | $18 14 | $25 52 | $26 94 | $44 42 | NA |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAN | $12 97 | NA | $8 42 | NA | $8 06 | $11 34 | $12 76 | $13 55 | NA |
| NRC - Incremental Charge - Manual Service Order - Disconnect | SOMAN | $17.77 | NA | NA | NA | $11 41 | $16 06 | NA | NA | NA |
| NRC - Incremental Charge - Order Coordination - Time Specific (per LSR) | OCOSL | $45.99 | $55.00 | $34 22 | $55 00 | $32 77 | $45 27 | $45 34 | $45 43 | $55 00 |
| | | | | | | | | | | |
| **4-Wire High Bit Rate Dig Subscriber Line (HDSL) Compatible Loop, <u>includes</u> manual service inquiry and facility reservation, per month, statewide** | UHL4X | $14 39 | $18 24 | $12 07 | $10 39 | $16 39 | $14 14 | $13 97 | $19 73 | $17 91 |
| Zone 1, per month | UHL4X | $11 52 | $14 75 | $10 39 | $7 68 | $12 67 | $10 36 | TBD | $16 21 | TBD |
| Zone 2, per month | UHL4X | $18 71 | $21 59 | $12.00 | $14 38 | $21 76 | $13 73 | TBD | $24 45 | TBD |
| Zone 3, per month | UHL4X | $33 90 | $47 64 | $19 07 | $24 82 | $44 44 | $19 62 | TBD | $32 38 | TBD |
| Zone 4, per month | UHL4X | NA | NA | NA | NA | NA | $25 90 | NA | NA | NA |
| NRC - 1st | UHL4X | $541 13 | $116.91 | $378 86 | $748 93 | $361 45 | $531 21 | $531 35 | $625 11 | $666 70 |
| NRC - Add'l | UHL4X | $491 50 | $101.71 | $344 28 | $646 17 | $328 35 | $482 63 | $482 62 | $532 78 | $568 86 |
| NRC - Disconnect Charge - 1st | UHL4X | $106 65 | NA | NA | NA | $72 54 | $105 86 | NA | NA | NA |
| NRC - Disconnect Charge - Add'l | UHL4X | $56 98 | NA | NA | NA | $39 42 | $57 25 | NA | NA | NA |

**BELLSOUTH/Z-TEL RATES**
**NETWORK ELEMENTS**
**AND OTHER SERVICES**

| DESCRIPTION | USOC | AL | FL | GA | KY | LA | MS | NC | SC | TN |
|---|---|---|---|---|---|---|---|---|---|---|
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAN | $27 37 | NA | $18 94 | NA | $18 14 | $25 52 | $26 94 | $44 06 | NA |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAN | $12 97 | NA | $8 42 | NA | $8 06 | $11 34 | $12 76 | $13 55 | NA |
| NRC - Incremental Charge - Manual Service Order - Disconnect | SOMAN | $17 77 | NA | NA | NA | $11 41 | $16 06 | NA | NA | NA |
| NRC - Incremental Charge - Order Coordination - Time Specific (per LSR) | OCOSL | $45 99 | $55.00 | $34 22 | $55 00 | $32.77 | $45 27 | $45 34 | $45 43 | $55 00 |
| | | | | | | | | | | |
| **4-Wire High Bit Rate Dig Subscriber Line (HDSL) Compatible Loop, without manual service inquiry and facility reservation, per month, statewide** | UHL4W | $14.39 | $18 24 | $12 07 | $10 39 | $16 39 | $14 14 | $13 97 | $19 73 | $17 91 |
| Zone 1, per month | UHL4W | $11 52 | $14 75 | $10 39 | $7 68 | $12 67 | $10 36 | TBD | $16 21 | TBD |
| Zone 2, per month | UHL4W | $18.71 | $21 59 | $12 00 | $14 38 | $21 76 | $13 73 | TBD | $24 45 | TBD |
| Zone 3, per month | UHL4W | $33.90 | $47 64 | $19.07 | $24 82 | $44 44 | $19 62 | TBD | $32 38 | TBD |
| Zone 4, per month | UHL4W | NA | NA | NA | NA | NA | $25 90 | NA | NA | NA |
| NRC - 1st | UHL4W | $402.13 | $116 91 | $239 86 | $609 93 | $222 45 | $392 21 | $392 35 | $486 11 | $527 70 |
| NRC - Add'l | UHL4W | $352.50 | $101 71 | $205 28 | $507 17 | $189 35 | $343 63 | $343 62 | $393 78 | $429 86 |
| NRC - Disconnect Charge - 1st | UHL4W | $106.65 | NA | NA | NA | $72 54 | $105 86 | NA | NA | NA |
| NRC - Disconnect Charge - Add'l | UHL4W | $56.98 | NA | NA | NA | $39 42 | $57 25 | NA | NA | NA |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAN | $27.37 | NA | $18 94 | NA | $18 14 | $25 52 | $26 94 | $44 06 | NA |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAN | $12 97 | NA | $8 42 | NA | $8.06 | $11 34 | $12 76 | $13 55 | NA |
| NRC - Incremental Charge - Manual Service Order - Disconnect | SOMAN | $17.77 | NA | NA | NA | $11 41 | $16 06 | NA | NA | NA |
| NRC - Incremental Charge - Order Coordination - Time Specific (per LSR) | OCOSL | $45 99 | $55 00 | $34.22 | $55 00 | $32.77 | $45 27 | $45 34 | $45 43 | $55 00 |
| **4-Wire DS1 Digital Loop** | | | | | | | | | | |
| RC - Statewide, per month | USLXX | NA | NA | NA | NA | NA | NA | $62 78 | NA | TBD |
| RC - Zone 1, per month (Note 2) | TBD | $51.74 | $64 69 | $55 53 | $50 26 | $56 32 | $50 99 | TBD | $59 61 | TBD |
| RC - Zone 2, per month (Note 2) | TBD | $84 05 | $94 71 | $64 13 | $94 06 | $96 73 | $67 58 | TBD | $89 90 | TBD |
| RC - Zone 3, per month (Note 2) | TBD | $152 29 | $208 93 | $101 93 | $162 34 | $197 57 | $96 58 | TBD | $119 06 | TBD |
| RC - Zone 4, per month (Note 2) | TBD | NA | NA | NA | NA | NA | $127 47 | NA | NA | NA |
| NRC - 1st | USLXX | $610.13 | $540 00 | $429.98 | $849 80 | $410 38 | $599 09 | $714 84 | $715.77 | TBD |
| NRC - Add'l | USLXX | $380.26 | $465.00 | $268 18 | $523 27 | $255 48 | $373 90 | $421 47 | $421 50 | TBD |
| NRC - Disconnect Charge - 1st | USLXX | $134.77 | NA | NA | NA | $92 35 | $133 53 | NA | NA | NA |
| NRC - Disconnect Charge - Add'l | USLXX | $55.97 | NA | NA | NA | $38 44 | $56 25 | NA | NA | NA |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAN | $27.37 | NA | $18.94 | NA | $18 14 | $25 52 | $42 19 | $43 77 | NA |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAN | $12 97 | NA | $8 42 | NA | $8 06 | $11 34 | $12 76 | $13 55 | NA |
| NRC - Incremental Charge - Manual Service Order - Disconnect | SOMAN | $17.77 | NA | NA | NA | $11 41 | $16 06 | NA | NA | NA |
| NRC - Incremental Charge - Order Coordination - Time Specific (per LSR) | OCOSL | $49.18 | $55 00 | $34 52 | $55.00 | $33.05 | $48 17 | $48 31 | $48 47 | NA |
| **4-Wire 56 Kbps Dig Grade Loop** | | | | | | | | | | |
| RC - Statewide, per month | UDL56 | NA | NA | NA | NA | NA | NA | $32 67 | NA | $42 23 |
| RC - Zone 1, per month (Note 2) | TBD | $27.33 | $39.08 | $25.75 | NA | $27 50 | $25 61 | TBD | $34 26 | $36 45 |
| RC - Zone 2, per month (Note 2) | TBD | $44.40 | $57 21 | $29 74 | NA | $47 24 | $33 94 | TBD | $51 67 | $45 87 |
| RC - Zone 3, per month (Note 2) | TBD | $80.45 | $126 22 | $47 27 | NA | $96 48 | $48 51 | TBD | $68 43 | $65 75 |
| RC - Zone 4, per month (Note 2) | TBD | NA | NA | NA | NA | NA | $64 02 | NA | NA | NA |
| NRC - 1st | UDL56 | $498 05 | $654 72 | $348 55 | NA | $333 28 | $489 00 | $489 04 | $602 73 | $643 00 |
| NRC - Add'l | UDL56 | $343 70 | $428 45 | $241 20 | NA | $230 50 | $337 93 | $337 51 | $393 50 | $421 26 |
| NRC - Disconnect Charge - 1st | UDL56 | $129 62 | NA | NA | NA | $87 99 | $128 36 | NA | $44 06 | NA |
| NRC - Disconnect Charge - Add'l | UDL56 | $64 25 | NA | NA | NA | $44 24 | $64 35 | NA | $13 55 | NA |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAN | $27.37 | NA | $18 94 | NA | $18 14 | $25 52 | $26 94 | NA | NA |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAN | $12 97 | NA | $8 42 | NA | $8 06 | $11 34 | $12 76 | NA | NA |
| NRC - Incremental Charge - Manual Service Order - Disconnect - 1st | SOMAN | $17 77 | NA | NA | NA | $11 41 | $16 06 | NA | NA | NA |
| NRC - Incremental Charge - Order Coordination - Time Specific (per LSR) | OCOSL | $45 99 | $55.00 | $34 22 | NA | $32 77 | $45 27 | $45 34 | $45 43 | $55 00 |
| **4-Wire 64 Kbps Dig Grade Loop** | | | | | | | | | | |
| RC - Statewide, per month | UDL64 | NA | NA | NA | NA | NA | NA | $32 67 | $41 70 | $42 23 |
| RC - Zone 1, per month (Note 2) | TBD | $27 33 | $39.08 | $25 75 | NA | $27 50 | $25 61 | TBD | $34 26 | $36 45 |
| RC - Zone 2, per month (Note 2) | TBD | $44 40 | $57.21 | $29 74 | NA | $47 24 | $33 94 | TBD | $51 67 | $45 87 |

**BELLSOUTH/Z-TEL RATES**
**NETWORK ELEMENTS**
**AND OTHER SERVICES**

| DESCRIPTION | USOC | AL | FL | GA | KY | LA | MS | NC | SC | TN |
|---|---|---|---|---|---|---|---|---|---|---|
| RC - Zone 3, per month (Note 2) | TBD | $80 45 | $126 22 | $47 27 | NA | $96 48 | $48 51 | TBD | $68 43 | $65 75 |
| RC - Zone 4, per month (Note 2) | TBD | NA | NA | NA | NA | NA | $64 02 | NA | NA | NA |
| NRC - 1st | UDL64 | $498.05 | $654 72 | $348 55 | NA | $333 28 | $489 00 | $489 04 | $602 73 | $643 00 |
| NRC - Add'l | UDL64 | $343.70 | $428 45 | $241 20 | NA | $230 50 | $337 93 | $337 51 | $393 50 | $421 26 |
| NRC - Disconnect Charge - 1st | UDL64 | $129.62 | NA | NA | NA | $87 99 | $128 36 | NA | $44 06 | NA |
| NRC - Disconnect Charge - Add'l | UDL64 | $64.25 | NA | NA | NA | $44 24 | $64 35 | NA | $13 55 | NA |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAN | $27.37 | NA | $18 94 | NA | $18 14 | $25 52 | $26 94 | NA | NA |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAN | $12.97 | NA | $8 42 | NA | $8 06 | $11 34 | $12 76 | NA | NA |
| NRC - Incremental Charge - Manual Service Order - Disconnect - 1st | SOMAN | $17 77 | NA | NA | NA | $11 41 | $16 06 | NA | NA | NA |
| NRC - Incremental Charge - Order Coordination - Time Specific (per LSR) | OCOSL | $45.99 | $55 00 | $34 22 | NA | $32 77 | $45 27 | $45 34 | $45 43 | $55 00 |
| **2-Wire Unbundled Copper Loop/Short (less than or equal to 18kft), includes manual service inquiry and facility reservation, per month, statewide** | UCLPB | $15 11 | $23 00 | $13 82 | $11 89 | $21 00 | $23 00 | $19 00 | $20 81 | $12 16 |
| Zone 1, per month | UCLPB | TBD | $18 60 | $11 90 | TBD | TBD | $16 85 | TBD | TBD | TBD |
| Zone 2, per month | UCLPB | TBD | $27.23 | $13 74 | TBD | TBD | $22 34 | TBD | TBD | TBD |
| Zone 3, per month | UCLPB | TBD | $60 07 | $21 83 | TBD | TBD | $31.92 | TBD | TBD | TBD |
| Zone 4, per month | UCLPB | NA | NA | NA | NA | NA | $42 13 | NA | NA | NA |
| NRC - 1st | UCLPB | $514.21 | $340.00 | $293 13 | $713 50 | $340 00 | $504 82 | $450 00 | $600 61 | $270 01 |
| NRC - Add'l | UCLPB | $464 58 | $300 00 | $139 75 | $609 44 | $300 00 | $456 24 | $390 00 | $507 33 | $234 63 |
| NRC - Disconnect Charge - 1st | UCLPB | TBD | TBD | $140 73 | NA | $72 54 | $105 86 | NA | NA | $74 54 |
| NRC - Disconnect Charge - Add'l | UCLPB | TBD | TBD | $37 45 | NA | $39 42 | $57 25 | NA | NA | $39 14 |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAN | $47 00 | $47.00 | NA | $47 00 | $18 14 | $25 52 | $47 00 | $47.00 | NA |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAN | $21.00 | $21 00 | NA | $21 00 | $8 06 | $11 34 | $21 00 | $25 52 | NA |
| NRC - Incremental Charge - Manual Service Order - Disconnect - 1st | SOMAN | $17.77 | NA | NA | $17.77 | $11 41 | $16 06 | NA | $21 00 | NA |
| NRC - Incremental Charge - Manual Service Order - Disconnect - Add'l | SOMAN | $17.77 | NA | NA | $17 77 | $11 41 | $16 06 | NA | $21 00 | NA |
| NRC - Incremental Charge - Manual Order Coordination - per loop | UCLMC | $16.00 | $16 00 | $36 46 | NA | $32 77 | $45 27 | $16 00 | $45 43 | $34 29 |
| **2-Wire Unbundled Copper Loop/Short (less than or equal to 18kft), without manual service inquiry and facility reservation, per month, statewide** | UCLPW | $15.11 | $23 00 | $13 82 | $11 89 | $21 00 | $23 00 | $19 00 | $20 81 | $12 16 |
| Zone 1, per month | UCLPW | TBD | $18 60 | $11 90 | TBD | TBD | $16 85 | TBD | TBD | TBD |
| Zone 2, per month | UCLPW | TBD | $27.23 | $13.74 | TBD | TBD | $22 34 | TBD | TBD | TBD |
| Zone 3, per month | UCLPW | TBD | $60 07 | $21 83 | TBD | TBD | $31 92 | TBD | TBD | TBD |
| Zone 4, per month | UCLPW | NA | NA | NA | NA | NA | $42 13 | NA | NA | NA |
| NRC - 1st | UCLPW | $375.21 | $201 00 | $154.13 | $574.50 | $201 00 | $365 82 | $311 00 | $461 61 | $131 01 |
| NRC - Add'l | UCLPW | $325 58 | $161 00 | $139 75 | $470 44 | $161.00 | $317 24 | $251 00 | $368 33 | $95 63 |
| NRC - Disconnect Charge - 1st | UCLPW | TBD | TBD | $140 73 | NA | $72 54 | $105 86 | NA | NA | $74 54 |
| NRC - Disconnect Charge - Add'l | UCLPW | TBD | TBD | $37 45 | NA | $39 42 | $57 25 | NA | NA | $39 14 |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAN | $47.00 | $47.00 | NA | $47 00 | $18 14 | $25 52 | $47 00 | $47 00 | NA |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAN | $21 00 | $21.00 | NA | $21 00 | $8 06 | $11 34 | $21 00 | $25 52 | NA |
| NRC - Incremental Charge - Manual Service Order - Disconnect - 1st | SOMAN | $17 77 | NA | NA | $17 77 | $11.41 | $16 06 | NA | $21 00 | NA |
| NRC - Incremental Charge - Manual Service Order - Disconnect - Add'l | SOMAN | $17.77 | NA | NA | $17 77 | $11 41 | $16 06 | NA | $21 00 | NA |
| NRC - Incremental Charge - Manual Order Coordination - per loop | UCLMC | $16 00 | $16 00 | $36 46 | NA | $32.77 | $45 27 | $16 00 | $45 43 | $34 29 |
| **2-Wire Unbundled Copper Loop/Long (greater than 18kft), includes manual service inquiry and facility reservation, per month, statewide** | UCL2L | $40.00 | $35 00 | TBD | $40 00 | $37 00 | $45 00 | $35 00 | $40 00 | $35 00 |
| Zone 1, per month | UCL2L | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Zone 2, per month | UCL2L | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Zone 3, per month | UCL2L | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Zone 4, per month | UCL2L | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| NRC - 1st | UCL2L | $514 21 | $340 00 | TBD | $713 50 | $340 00 | $504 82 | $450 00 | $600 61 | $270 01 |
| NRC - Add'l | UCL2L | $464.58 | $300 00 | TBD | $609 44 | $300 00 | $456 24 | $390 00 | $507 33 | $234 63 |
| NRC - Disconnect Charge - 1st | UCL2L | NA | NA | TBD | NA | $72 54 | $105 86 | NA | NA | $74 54 |
| NRC - Disconnect Charge - Add'l | UCL2L | NA | NA | TBD | NA | $39 42 | $57 25 | NA | NA | $39 14 |

**BELLSOUTH/Z-TEL RATES**
**NETWORK ELEMENTS**
**AND OTHER SERVICES**

| DESCRIPTION | USOC | AL | FL | GA | KY | LA | MS | NC | SC | TN |
|---|---|---|---|---|---|---|---|---|---|---|
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAN | $47 00 | $47 00 | TBD | $47 00 | $18 14 | $25 52 | $47 00 | $47 00 | NA |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAN | $21 00 | $21 00 | TBD | $21 00 | $8 06 | $11 34 | $21 00 | $25 52 | NA |
| NRC - Incremental Charge - Manual Service Order - Disconnect - 1st | SOMAN | $17.77 | NA | TBD | $17 77 | $11 41 | $16 06 | NA | $21 00 | NA |
| NRC - Incremental Charge - Manual Service Order - Disconnect - Add'L | SOMAN | $17.77 | NA | TBD | $17 77 | $11 41 | $16 06 | NA | $21 00 | NA |
| NRC - Incremental Charge - Manual Order Coordination - per loop | UCLMC | $16.00 | $16 00 | 36 46 | NA | $32 77 | $45 27 | $16 00 | $45 43 | $34 29 |
| **2-Wire Unbundled Copper Loop/Long (greater than 18kft), without manual service inquiry and facility reservation, per month, statewide** | UCL2W | $40 00 | $35 00 | $ 37 00 | $40 00 | $37 00 | $45 00 | $35 00 | $40 00 | $35 00 |
| Zone 1, per month | UCL2W | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Zone 2, per month | UCL2W | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Zone 3, per month | UCL2W | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Zone 4, per month | UCL2W | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| NRC - 1st | UCL2W | $375 21 | $201 00 | $154.13 | $574 50 | $201 00 | $365 82 | $311 00 | $461 61 | $131 01 |
| NRC - Add'l | UCL2W | $325.58 | $161 00 | $139.75 | $470.44 | $161 00 | $317 24 | $251 00 | $368 33 | $95 63 |
| NRC - Disconnect Charge - 1st | UCL2W | NA | NA | TBD | NA | $72 54 | $105 86 | NA | NA | $74 54 |
| NRC - Disconnect Charge - Add'l | UCL2W | NA | NA | TBD | NA | $39 42 | $57 25 | NA | NA | $39 14 |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAN | $47.00 | $47.00 | TBD | $47 00 | $18 14 | $25 52 | $47 00 | $47 00 | NA |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAN | $21 00 | $21 00 | TBD | $21 00 | $8 06 | $11 34 | $21 00 | $25 52 | NA |
| NRC - Incremental Charge - Manual Service Order - Disconnect - 1st | SOMAN | $17 77 | NA | TBD | $17.77 | $11 41 | $16 06 | NA | $21 00 | NA |
| NRC - Incremental Charge - Manual Service Order - Disconnect - Add'L | SOMAN | $17.77 | NA | TBD | $17 77 | $11.41 | $16 06 | NA | $21 00 | NA |
| NRC - Incremental Charge - Manual Order Coordination - per loop | UCLMC | $16.00 | $16.00 | 36.46 | NA | $32 77 | $45 27 | $16 00 | $45 43 | $34 29 |
| **4-Wire Unbundled Copper Loop/Short (less than or equal to 18kft), includes manual service inquiry and facility reservation, per month, statewide** | UCL4S | TBD | TBD | $19 34 | TBD | TBD | TBD | TBD | TBD | TBD |
| Zone 1, per month | UCL4S | TBD | TBD | $16 65 | TBD | TBD | TBD | TBD | TBD | TBD |
| Zone 2, per month | UCL4S | TBD | TBD | $19 22 | TBD | TBD | TBD | TBD | TBD | TBD |
| Zone 3, per month | UCL4S | TBD | TBD | $30 55 | TBD | TBD | TBD | TBD | TBD | TBD |
| Zone 4, per month | UCL4S | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| NRC - 1st | UCL4S | TBD | TBD | $353.80 | TBD | TBD | TBD | TBD | TBD | TBD |
| NRC - Add'l | UCL4S | TBD | TBD | $162 61 | TBD | TBD | TBD | TBD | TBD | TBD |
| NRC - Disconnect Charge - 1st | UCL4S | TBD | TBD | $156 25 | TBD | TBD | TBD | TBD | TBD | TBD |
| NRC - Disconnect Charge - Add'l | UCL4S | TBD | TBD | $41 96 | TBD | TBD | TBD | TBD | TBD | TBD |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAN | TBD | TBD | NA | TBD | TBD | TBD | TBD | TBD | TBD |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAN | TBD | TBD | NA | TBD | TBD | TBD | TBD | TBD | TBD |
| NRC - Incremental Charge - Manual Service Order - Disconnect | SOMAN | TBD | TBD | NA | TBD | TBD | TBD | TBD | TBD | TBD |
| NRC - Incremental Charge - Manual Order Coordination - per loop | UCLMC | TBD | TBD | $36.46 | TBD | TBD | TBD | TBD | TBD | TBD |
| **4-Wire Unbundled Copper Loop/Short (less than or equal to 18kft), without manual service inquiry and facility reservation, per month, statewide** | UCL4W | TBD | TBD | $19 34 | TBD | TBD | TBD | TBD | TBD | TBD |
| Zone 1, per month | UCL4W | TBD | TBD | $16 65 | TBD | TBD | TBD | TBD | TBD | TBD |
| Zone 2, per month | UCL4W | TBD | TBD | $19 22 | TBD | TBD | TBD | TBD | TBD | TBD |
| Zone 3, per month | UCL4W | TBD | TBD | $30 55 | TBD | TBD | TBD | TBD | TBD | TBD |
| Zone 4, per month | UCL4W | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| NRC - 1st | UCL4W | TBD | TBD | $214 80 | TBD | TBD | TBD | TBD | TBD | TBD |
| NRC - Add'l | UCL4W | TBD | TBD | $162 61 | TBD | TBD | TBD | TBD | TBD | TBD |
| NRC - Disconnect Charge - 1st | UCL4W | TBD | TBD | $156 25 | TBD | TBD | TBD | TBD | TBD | TBD |
| NRC - Disconnect Charge - Add'l | UCL4W | TBD | TBD | $41 96 | TBD | TBD | TBD | TBD | TBD | TBD |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAN | TBD | TBD | NA | TBD | TBD | TBD | TBD | TBD | TBD |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAN | TBD | TBD | NA | TBD | TBD | TBD | TBD | TBD | TBD |
| NRC - Incremental Charge - Manual Service Order - Disconnect | SOMAN | TBD | TBD | NA | TBD | TBD | TBD | TBD | TBD | TBD |
| NRC - Incremental Charge - Manual Order Coordination - per loop | UCLMC | TBD | TBD | $36 46 | TBD | TBD | TBD | TBD | TBD | TBD |

**BELLSOUTH/Z-TEL RATES**
**NETWORK ELEMENTS**
**AND OTHER SERVICES**

| DESCRIPTION | USOC | AL | FL | GA | KY | LA | MS | NC | SC | TN |
|---|---|---|---|---|---|---|---|---|---|---|
| **4-Wire Unbundled Copper Loop/Long (greater than 18kft), Includes manual service inqury and reservation, per month, statewide** | UCL4L | TBD | TBD | $55 86 | TBD | TBD | TBD | TBD | TBD | TBD |
| Zone 1, per month | UCL4L | TBD | TBD | $47 56 | TBD | TBD | | TBD | TBD | TBD |
| Zone 2, per month | UCL4L | TBD | TBD | $54 92 | TBD | TBD | | TBD | TBD | TBD |
| Zone 3, per month | UCL4L | TBD | TBD | $87 30 | TBD | TBD | | TBD | TBD | TBD |
| Zone 4, per month | UCL4L | NA | NA | NA | NA | NA | | NA | NA | NA |
| NRC - 1st | UCL4L | TBD | TBD | $397.06 | TBD | TBD | TBD | TBD | TBD | TBD |
| NRC - Add'l | UCL4L | TBD | TBD | $227 88 | TBD | TBD | TBD | TBD | TBD | TBD |
| NRC - Disconnect Charge - 1st | UCL4L | TBD | TBD | $156 25 | TBD | TBD | TBD | TBD | TBD | TBD |
| NRC - Disconnect Charge - Add'l | UCL4L | TBD | TBD | $41 96 | TBD | TBD | TBD | TBD | TBD | TBD |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAN | TBD | TBD | NA | TBD | TBD | TBD | TBD | TBD | TBD |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAN | TBD | TBD | NA | TBD | TBD | TBD | TBD | TBD | TBD |
| NRC - Incremental Charge - Manual Service Order - Disconnect | SOMAN | TBD | TBD | NA | TBD | TBD | TBD | TBD | TBD | TBD |
| NRC - Incremental Charge - Manual Order Coordination - per loop | UCLMC | TBD | TBD | $36 46 | TBD | TBD | TBD | TBD | TBD | TBD |
| **4-Wire Unbundled Copper Loop/Long (greater than 18kft), without manual service inquiry and facility reservation, per month, statewide** | UCL4O | TBD | TBD | $55 86 | TBD | TBD | TBD | TBD | TBD | TBD |
| Zone 1, per month | UCL4O | TBD | TBD | $47 56 | TBD | TBD | TBD | TBD | TBD | TBD |
| Zone 2, per month | UCL4O | TBD | TBD | $54 92 | TBD | TBD | TBD | TBD | TBD | TBD |
| Zone 3, per month | UCL4O | TBD | TBD | $87 30 | TBD | TBD | TBD | TBD | TBD | TBD |
| Zone 4, per month | UCL4O | NA | NA | NA | NA | NA | TBD | NA | NA | NA |
| NRC - 1st | UCL4O | TBD | TBD | $258 06 | TBD | TBD | TBD | TBD | TBD | TBD |
| NRC - Add'l | UCL4O | TBD | TBD | $88 88 | TBD | TBD | TBD | TBD | TBD | TBD |
| NRC - Disconnect Charge - 1st | UCL4O | TBD | TBD | $156 25 | TBD | TBD | TBD | TBD | TBD | TBD |
| NRC - Disconnect Charge - Add'l | UCL4O | TBD | TBD | $41 96 | TBD | TBD | TBD | TBD | TBD | TBD |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAN | TBD | TBD | NA | TBD | TBD | TBD | TBD | TBD | TBD |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAN | TBD | TBD | NA | TBD | TBD | TBD | TBD | TBD | TBD |
| NRC - Incremental Charge - Manual Service Order - Disconnect | SOMAN | TBD | TBD | NA | TBD | TBD | TBD | TBD | TBD | TBD |
| NRC - Incremental Charge - Manual Order Coordination - per loop | UCLMC | TBD | TBD | $36.46 | TBD | TBD | TBD | TBD | TBD | TBD |
| **DS3 Unbundled Local Loop** | | | | | | | | | | |
| DS3 Unbundled Local Loop - per mile | 1L5ND | $43.96 | $40 01 | $29 96 | $43 69 | $38.98 | $54 39 | $32 53 | $56 71 | $30 53 |
| DS3 Unbundled Local Loop- per Facility Termination | UE3PX | $456.18 | $470 83 | $392 61 | $436 95 | $497.08 | $427 81 | $387 01 | $510 30 | $400 21 |
| [illegible] - 1st | UE3PX | $973.58 | $770.47 | $770 96 | $1,091.00 | $709 14 | $975 22 | $964 04 | $1,091 00 | $726 16 |
| [illegible] - Add'l | UE3PX | $547.59 | $436.40 | $437 71 | $661 23 | $402 63 | $549 17 | $542 73 | $654 13 | $411 64 |
| [illegible] - Disconnect - 1st | UE3PX | $132.58 | $108.95 | $111 07 | NA | $102 16 | $134 07 | NA | NA | $103 36 |
| [illegible] - Disconnect - Add'l | UE3PX | $129 07 | $106.01 | $108 14 | NA | $99 46 | $130 59 | NA | NA | $100 59 |
| [illegible] - Manual Svc Order - 1st | SOMAC | $70.10 | NA | $54 64 | $93 12 | $50 25 | $68.62 | $69 34 | $92 52 | $53 03 |
| [illegible] - Manual Svc Order - Add'l | SOMAC | $70.10 | NA | $54 64 | $93.12 | $50 25 | $68 62 | $69 34 | $92 52 | $53 03 |
| [illegible] - Incremental Cost - Manual Svc Order vs Elect Disconnect-1st | SOMAC | $30.09 | NA | $22.77 | NA | $20.94 | $28 59 | $29 76 | NA | $22 95 |
| [illegible] - Incremental Cost - Manual Svc Order vs Elect-Disconnect-Add'l | SOMAC | $30.09 | NA | $22.77 | NA | $20.94 | $28 59 | $29 76 | NA | $22 95 |
| **STS-1 Unbundled Local Loop** | | | | | | | | | | |
| STS-1 Unbundled Local Loop - per mile | 1L5ND | $43 96 | $40 01 | $29 96 | $43 69 | $38 98 | $54 39 | $32 53 | $56 71 | $30 53 |
| STS-1 Unbundled Local Loop- per Facility Termination | UDLS1 | $456.18 | $470 83 | $392 61 | $436 95 | $497 08 | $427 81 | $387 01 | $510 30 | $400 21 |
| NRC - STS-1 - Facility Termination - 1st | UDLS1 | $973 58 | $770 47 | $770.96 | $1,091 | $709 14 | $975 22 | $964 04 | $1,091 | $726 16 |
| NRC - STS-1 - Facility Termination - Add'l | UDLS1 | $547.59 | $436 40 | $437.71 | $661 23 | $402 63 | $549 17 | $542 73 | $654 13 | $411 64 |
| NRC - STS-1 - Facility Termination - Disconnect - 1st | UDLS1 | $132 56 | $108 95 | $111 07 | NA | $102 16 | $134 07 | NA | NA | $103 36 |
| NRC - STS-1 - Facility Termination - Disconnect - Add'l | UDLS1 | $129 07 | $106 01 | $108 14 | NA | $99 46 | $130 59 | NA | NA | $100 59 |
| NRC - STS-1 - Incremental Charge--Manual Svc Order - 1st | SOMAC | $70 10 | NA | $54 64 | $93 12 | $50 25 | $68 62 | $69 34 | $92 52 | $53 03 |
| NRC - STS-1 - Incremental Charge--Manual Svc Order - Add'l | SOMAC | $70 10 | NA | $54 64 | $93 12 | $50 25 | $68 62 | $69 34 | $92 52 | $53 03 |
| NRC - STS-1 - Incremental Cost - Manual Svc. Order vs Elect-Disconnect-1st | SOMAC | $30 09 | NA | $22 77 | NA | $20 94 | $28 59 | $29 76 | NA | $22 95 |
| NRC - STS-1 - Incremental Cost - Manual Svc. Order vs Elect-Disconnect-Add'l | SOMAC | $30 09 | NA | $22 77 | NA | $20 94 | $28 59 | $29 76 | NA | $22 95 |
| **Unbundled Loop Modification - Note 3** | | | | | | | | | | |
| Load Coil/Equipment Removal per pair - Loops up to 18kft | ULM2L | $80 55 | $80 55 | $80 55 | $80 55 | $80 55 | $80 55 | $80 55 | $80 55 | $80 55 |

**BELLSOUTH/Z-TEL RATES**
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**AND OTHER SERVICES**

| DESCRIPTION | USOC | AL | FL | GA | KY | LA | MS | NC | SC | TN |
|---|---|---|---|---|---|---|---|---|---|---|
| Load Coil/Equipment Removal per pair - Loops > 18kft - 1st | ULM2G | $880.08 | $880 08 | $880 08 | $880 08 | $880 08 | $880 08 | $880 08 | $880 08 | $880 08 |
| Load Coil/Equipment Removal per pair - Loops > 18kft - Add'l | ULM2G | $27.30 | $27.30 | $27.30 | $27 30 | $27.30 | $27 30 | $27 30 | $27 30 | $27 30 |
| Bridged Tap Removal per pair unloaded | ULMBT | $121.14 | $121.14 | $121.14 | $121 14 | $121.14 | $121.14 | $121 14 | $121 14 | $121 14 |
| | | | | | | | | | | |
| **Loop Make-Up Service Inquiry - Note 3** | | | | | | | | | | |
| Per Service Inquiry | UMKLP | $233.75 | $233.75 | $233 75 | $233 75 | $233 75 | $233 75 | $233 75 | $233 75 | $233 75 |
| **Unbundled Sub-Loops** | | | | | | | | | | |
| **Sub-Loop Analog** | | | | | | | | | | |
| **Loop Distribution per 2-Wire Analog VG Loop (Including NID), per month** | USBN2 | NA | $8 57 | $9 12 | $10 83 | BFR | NA | NA | NA | $9 79 |
| NRC - Set-Up per Cross Box location - CLEC Feeder Facility set-up | USBSA | TBN | TBD | TBD | TBD | TBN | TBN | TBN | TBN | TBD |
| NRC - Set-Up per Cross Box location - per 25 pair panel set-up | USBSB | TBN | TBD | TBD | TBD | TBN | TBN | TBN | TBN | TBD |
| NRC - 1st | USBN2 | TBN | $78 28 | $207 01 | $459 85 | TBN | TBN | TBN | TBN | $586 00 |
| NRC - Add'l | USBN2 | TBN | $58 33 | $171 32 | $352 89 | TBN | TBN | TBN | TBN | $255 00 |
| NRC - Disconnect Charge - 1st | USBN2 | TBN | NA | NA | NA | TBN | TBN | TBN | TBN | NA |
| NRC - Disconnect Charge - Add'l | USBN2 | TBN | NA | NA | NA | TBN | TBN | TBN | TBN | NA |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAN | TBN | NA | $18 94 | NA | TBN | TBN | TBN | TBN | NA |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAN | TBN | NA | $8 42 | NA | TBN | TBN | TBN | TBN | NA |
| NRC - Incremental Charge - Manual Service Order - Disconnect | SOMAN | TBN | NA | NA | NA | TBN | TBN | TBN | TBN | NA |
| NRC - Incremental Charge - Manual Order Coordination - per loop | USBMC | TBN | TBD | TBD | TBD | TBN | TBN | TBN | TBN | TBD |
| **Loop Distribution per 2-Wire Analog VG Loop (Excluding NID), per month** | TBD | NA | NA | NA | $9 95 | NA | NA | NA | NA | $9 23 |
| NRC - Set-Up per Cross Box location - CLEC Feeder Facility set-up | USBSA | NA | NA | NA | $9 95 | NA | NA | NA | NA | TBD |
| NRC - Set-Up per Cross Box location - per 25 pair panel set-up | USBSB | NA | NA | NA | $9 95 | NA | NA | NA | NA | TBD |
| NRC - 1st | TBD | NA | NA | NA | $459 85 | NA | NA | NA | NA | $587 00 |
| NRC - Add'l | TBD | NA | NA | NA | $352 89 | NA | NA | NA | NA | $255 00 |
| NRC - Incremental Charge - Manual Order Coordination - per loop | USBMC | TBN | TBD | TBN | TBN | TBN | TBN | TBN | TBN | TBD |
| **Loop Distribution per 4-Wire Analog VG Loop (Incl NID), per month** | USBN4 | TBN | $11 29 | TBN | TBN | TBN | TBN | TBN | TBN | TBD |
| NRC - Set-Up per Cross Box location - CLEC Feeder Facility set-up | USBSA | TBN | TBD | TBN | TBN | TBN | TBN | TBN | TBN | TBD |
| NRC - Set-Up per Cross Box location - per 25 pair panel set-up | USBSB | TBN | TBD | TBN | TBN | TBN | TBN | TBN | TBN | TBD |
| NRC - 1st | USBN4 | TBN | $112 07 | TBN | TBN | TBN | TBN | TBN | TBN | TBD |
| NRC - Add'l | USBN4 | TBN | $92.11 | TBN | TBN | TBN | TBN | TBN | TBN | TBD |
| NRC - Incremental Charge - Manual Order Coordination - per loop | USBMC | TBN | TBD | TBN | TBN | TBN | TBN | TBN | TBN | TBD |
| **Sub-Loop-Intrabuilding Network Cable (INC) (riser cable), 2W analog, per month** | USBR2 | | | | | | | | | |
| NRC - Set Up per Building Equipment Room - CLEC Feeder Facility set-up | USBSC | TBN | TBN | TBN | TBN | TBN | TBN | TBN | TBN | TBN |
| NRC - Set Up per Building Equipment Room - per 25 pair panel set-up | USBSD | TBN | TBN | TBN | TBN | TBN | TBN | TBN | TBN | TBN |
| NRC - 1st | USBR2 | TBN | TBN | TBN | TBN | TBN | TBN | TBN | TBN | TBN |
| NRC - Add'l | USBR2 | TBN | TBN | TBN | TBN | TBN | TBN | TBN | TBN | TBN |
| NRC - Disconnect Charge - 1st | USBR2 | TBN | TBN | TBN | TBN | TBN | TBN | TBN | TBN | TBN |
| NRC - Disconnect Charge - Add'l | USBR2 | TBN | TBN | TBN | TBN | TBN | TBN | TBN | TBN | TBN |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAN | TBN | TBN | TBN | TBN | TBN | TBN | TBN | TBN | TBN |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAN | TBN | TBN | TBN | TBN | TBN | TBN | TBN | TBN | TBN |
| NRC - Incremental Charge - Manual Service Order - Disconnect | SOMAN | TBN | TBN | TBN | TBN | TBN | TBN | TBN | TBN | TBN |
| NRC - Incremental Charge - Manual Order Coordination - per loop | USBMC | TBN | TBN | TBN | TBN | TBN | TBN | TBN | TBN | TBN |
| **Sub-Loop-Intrabuilding Network Cable (INC) (riser cable), 4W analog, per month** | USBR4 | TBN | TBN | TBN | TBN | TBN | TBN | TBN | TBN | TBN |
| NRC - Set-Up per Building Equipment Room - CLEC Feeder Facility set-up | USBSC | TBN | TBN | TBN | TBN | TBN | TBN | TBN | TBN | TBN |
| NRC - Set-Up per Building Equipment Room - per 25 pair panel set-up | USBSD | TBN | TBN | TBN | TBN | TBN | TBN | TBN | TBN | TBN |
| NRC - 1st | USBR4 | TBN | TBN | TBN | TBN | TBN | TBN | TBN | TBN | TBN |
| NRC - Add'l | USBR4 | TBN | TBN | TBN | TBN | TBN | TBN | TBN | TBN | TBN |
| NRC - Disconnect Charge - 1st | USBR4 | TBN | TBN | TBN | TBN | TBN | TBN | TBN | TBN | TBN |
| NRC - Disconnect Charge - Add'l | USBR4 | TBN | TBN | TBN | TBN | TBN | TBN | TBN | TBN | TBN |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAN | TBN | TBN | TBN | TBN | TBN | TBN | TBN | TBN | TBN |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAN | TBN | TBN | TBN | TBN | TBN | TBN | TBN | TBN | TBN |
| NRC - Incremental Charge - Manual Service Order - Disconnect | SOMAN | TBN | TBN | TBN | TBN | TBN | TBN | TBN | TBN | TBN |

**BELLSOUTH/Z-TEL RATES**
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| DESCRIPTION | USOC | AL | FL | GA | KY | LA | MS | NC | SC | TN |
|---|---|---|---|---|---|---|---|---|---|---|
| NRC - Incremental Charge - Manual Order Coordination - per loop | USBMC | TBN | TBN | TBN | TBN | TBN | TBN | TBN | TBN | TBN |
| **Unbundled Network Terminating Wire** | | | | | | | | | | |
| UNTW Pair, per pair, per month | UENPP | TBN | $0 67 | $1 56 | $1 24 | NA | NA | NA | NA | $1 31 |
| Site Visit Survey, per MDU/MTU Complex, NRC | UENVS | TBN | $225 00 | $225 00 | $225 00 | NA | NA | NA | NA | $225 00 |
| Site Visit Set-Up -- Terminal Preparation, per terminal | | | | | | | | | | |
| NRC - 1st terminal | UENSS | TBN | $98 00 | $98.00 | $98 00 | TBN | TBN | TBN | TBN | $98 00 |
| NRC - Add'l terminal | UENSS | TBN | $65 00 | $65.00 | $65 00 | TBN | TBN | TBN | TBN | $65 00 |
| Access Terminal Provisioning & 1st 25 pair panel (SPOI), per terminal, NRC | UEN1T | TBN | $110 00 | $110 00 | $110 00 | TBN | TBN | TBN | TBN | $110 00 |
| Existing Access Terminal Provisioning, 2nd 25 pair panel, per terminal, NRC | UEN2T | TBN | $35 00 | $35 00 | $35 00 | TBN | TBN | TBN | TBN | $35 00 |
| UNTW Pair Provisioning, per pair, NRC | UENPP | TBN | $9 00 | $9 00 | $9 00 | TBN | TBN | TBN | TBN | $9 00 |
| Service Visit for Provisioning, per request, per premises, NRC | UENSV | TBN | $55 00 | $55 00 | $55 00 | TBN | TBN | TBN | TBN | $55 00 |
| Manual Service Order, NRC | MOCLA | TBN | $45.00 | $45 00 | $45 00 | TBN | TBN | TBN | TBN | $45 00 |
| **Sub-Loop Concentration - Channelization Sys (Outside CO)** | | | | | | | | | | |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAN | $27.37 | TBD | $18 94 | TBD | BFR | BFR | BFR | BFR | TBD |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAN | $12.97 | TBD | $8 42 | TBD | BFR | BFR | BFR | BFR | TBD |
| **TR008 - System A (96 channel capacity - channels 1-96), per month** | UCT8A | NA | $792 49 | $724 79 | $757 00 | NA | NA | NA | NA | $683 78 |
| NRC - 1st | UCT8A | NA | $640 93 | $632 36 | $633 94 | NA | NA | NA | NA | $634 31 |
| NRC - Add'l | UCT8A | NA | $315 03 | $310.82 | $311 60 | NA | NA | NA | NA | $311 78 |
| **TR008 - System B (96 channel capacity - channels 97-192), per month** | | | $155 32 | $92 91 | $95 60 | NA | NA | NA | NA | $102 12 |
| NRC - 1st | UCT8B | NA | $640 93 | $632 36 | $633 94 | NA | NA | NA | NA | $634 31 |
| NRC - Add'l | UCT8B | NA | $315 03 | $310 82 | $311 60 | NA | NA | NA | NA | $311 78 |
| **TR303 - System A (96 channel capacity - channels 1-96), per month** | | | $835 72 | $764 42 | $799 95 | NA | NA | NA | NA | $726 87 |
| NRC - 1st | UCT3A | NA | $640 93 | $632 36 | $633 94 | NA | NA | NA | NA | $634 31 |
| NRC - Add'l | UCT3A | NA | $315 03 | $310 82 | $311 60 | NA | NA | NA | NA | $311 78 |
| **TR303 - System B (96 channel capacity - channels 97-192), per month** | UCT3B | NA | $198 55 | $132 54 | $138 55 | NA | NA | NA | NA | $145 21 |
| NRC - 1st | UCT3B | NA | $640 93 | $632 36 | $633.94 | NA | NA | NA | NA | $634 31 |
| NRC - Add'l | UCT3B | NA | $315 03 | $310 82 | $311 60 | NA | NA | NA | NA | $311 78 |
| **DS1 Feeder Interface, per month** | UCTFS | NA | $78 43 | $72 12 | $77 02 | NA | NA | NA | NA | $76 73 |
| NRC 1st | UCTFS | NA | $422.74 | $425 74 | $418.13 | NA | NA | NA | NA | $418 37 |
| NRC Add'l | UCTFS | NA | $200 74 | $198 06 | $198 56 | NA | NA | NA | NA | $198 67 |
| **Channel Interface - 2 Wire Voice - Loop Start , per month** | TBD | NA | $2.62 | $2.38 | $2 68 | NA | NA | NA | NA | $2 61 |
| NRC 1st | TBD | NA | $42 39 | $41 82 | $41.92 | NA | NA | NA | NA | $41 95 |
| NRC Add'l | TBD | NA | $42.15 | $41.58 | $41 69 | NA | NA | NA | NA | $41 71 |
| **Channel Interface - 2 Wire ISDN, per month** | ULCC1 | NA | $10 49 | $9 53 | $10 72 | NA | NA | NA | NA | $10 43 |
| NRC 1st | ULCC1 | NA | $42 39 | $41 82 | $41.92 | NA | NA | NA | NA | $41 95 |
| NRC Add'l | ULCC1 | NA | $42 15 | $41 58 | $41 69 | NA | NA | NA | NA | $41 71 |
| **Channel Interface - 2 Wire Voice - Ground Start or Reverse Battery, per month** | TBD | NA | $15 59 | $14 17 | $15 94 | NA | NA | NA | NA | $15 51 |
| NRC 1st | TBD | NA | $42.39 | $41 82 | $41 92 | NA | NA | NA | NA | $41 95 |
| NRC Add'l | TBD | NA | $42 15 | $41 58 | $41 69 | NA | NA | NA | NA | $41 71 |
| **Channel Interface - 4 Wire Voice, per month** | ULCC4 | NA | $9 30 | $8 45 | $9 50 | NA | NA | NA | NA | $9 26 |
| NRC 1st | ULCC4 | NA | $42 39 | $41 82 | $41 92 | NA | NA | NA | NA | $41 95 |
| NRC Add'l | ULCC4 | NA | $42.15 | $41 58 | $41 69 | NA | NA | NA | NA | $41 71 |
| **Test Circuit, per month** | | NA | $45 46 | $41.30 | $46 44 | NA | NA | NA | NA | $45 22 |
| NRC 1st | UCTTC | NA | $42.39 | $41 82 | $41 92 | NA | NA | NA | NA | $41 95 |
| NRC Add'l | UCTTC | NA | $42.15 | $41 58 | $41 69 | NA | NA | NA | NA | $41 71 |
| **Channel Interface - Digital 56Kbps, per month** | ULCC5 | NA | $13 78 | $12.51 | $14 08 | NA | NA | NA | NA | $13 71 |
| NRC 1st | ULCC5 | NA | $42 39 | $41 82 | $41 92 | NA | NA | NA | NA | $41 95 |
| NRC Add'l | ULCC5 | NA | $42 15 | $41 58 | $41 69 | NA | NA | NA | NA | $41 71 |
| **Channel Interface - Digital 64Kbps, per month** | ULCC6 | NA | $13.78 | $12 51 | $14 08 | NA | NA | NA | NA | $13 71 |
| NRC 1st | ULCC6 | NA | $42.39 | $41 82 | $41 92 | NA | NA | NA | NA | $41 95 |
| NRC Add'l | ULCC6 | NA | $42 15 | $41 58 | $41 69 | NA | NA | NA | NA | $41 71 |
| **Loop Concentration System (Inside C.O.)** | | | | | | | | | | |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAN | $27 37 | TBD | $18 94 | TBD | $18 14 | $25 52 | TBD | $44 06 | TBD |

**BELLSOUTH/Z-TEL RATES**
**NETWORK ELEMENTS**
**AND OTHER SERVICES**

| DESCRIPTION | USOC | AL | FL | GA | KY | LA | MS | NC | SC | TN |
|---|---|---|---|---|---|---|---|---|---|---|
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAN | $12.97 | TBD | $8 42 | TBD | $8 06 | $11 34 | TBD | $13 55 | TBD |
| **Loop Channelization System - Digital Loop Carrier** | TBD | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| RC - Loop Channelization System - Digital Loop Carrier | TBD | NA | NA | NA | NA | NA | NA | $315 61 | NA | NA |
| NRC- 1st | TBD | NA | NA | NA | NA | NA | NA | $426 48 | NA | NA |
| NRC- Addl | TBD | NA | NA | NA | NA | NA | NA | $103 42 | NA | NA |
| NRC- Incremental Cost - Manaul Service Order- 1st | TBD | NA | NA | NA | NA | NA | NA | $42 19 | NA | NA |
| NRC- Incremental Cost - Manaul Service Order- Addl | TBD | NA | NA | NA | NA | NA | NA | $12 76 | NA | NA |
| **TR008 -System A (96 channel capacity - channels 1-96), per month** | UCT8A | $327.44 | $400 33 | $316 63 | $394 00 | $308.74 | $454 79 | $375 96 | $399 21 | $380 06 |
| NRC - 1st | UCT8A | $1,115 10 | $1,128 75 | $1,111 95 | $1,116 15 | $1,117 20 | $1,115 10 | $1,113 00 | $1,119 30 | $1,114 05 |
| NRC - Add'l | UCT8A | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **TR008 -System B (96 channel capacity - channels 97-192), per month** | UCT8B | $67.41 | $70.48 | $65 27 | $72 21 | $76 58 | $73 30 | $65 98 | $71 91 | $68 71 |
| NRC - 1st | UCT8B | $464 57 | $470 41 | $463 37 | $465 11 | $465 64 | $464 71 | $463 74 | $466 38 | $464 21 |
| NRC - Add'l | UCT8B | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **TR303 - System A (96 channel capacity - channels 1-96), per month** | UCT3A | $375.18 | $450 24 | $362.87 | $445 14 | $385.97 | $506 70 | $422 68 | $450 13 | $428 73 |
| NRC - 1st | UCT3A | $1,115.10 | $1,128 75 | $1,111.95 | $1,116 15 | $1,117 20 | $1,115 10 | $1,113 00 | $1,119 30 | $1,114 05 |
| NRC - Add'l | UCT3A | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **TR303 - System B (96 channel capacity - channels 97-192), per month** | UCT3B | $111 30 | $118 76 | $110 02 | $121 45 | $129 05 | $123 52 | $111 17 | $121 16 | $115 79 |
| NRC - 1st | UCT3B | $464.57 | $470 41 | $463 37 | $465 11 | $465 64 | $464 71 | $463 74 | $466 38 | $464 21 |
| NRC - Add'l | UCT3B | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **DS1 Interface, per month** | UCTCO | $6.42 | $6 47 | $6 15 | $403 20 | $7 35 | $6 99 | $6 27 | $6 79 | $6 49 |
| NRC 1st | UCTCO | $367.70 | $372 32 | $366 72 | $132.18 | $368 54 | $367 80 | $367 04 | $369 13 | $367 41 |
| NRC Add'l | UCTCO | $132 03 | $133 69 | $130 63 | $132 18 | $132 33 | $132 07 | $131 79 | $132 54 | $131 92 |
| **Channel Interface - 2 Wire Voice - Loop Start , per month** | TBD | $2.55 | $2 66 | $2 44 | $2 79 | $2.91 | $2 77 | $0 89 | $2 69 | $2 58 |
| NRC 1st | TBD | $35.77 | $36 23 | $35.68 | $35.82 | $35 86 | $35 78 | $35 73 | $35 91 | $35 74 |
| NRC Add'l | TBD | $35.55 | $36 02 | $35.48 | $35 62 | $35 66 | $35 37 | $35 49 | $35 71 | $35 54 |
| **Channel Interface - 2 Wire ISDN, per month** | ULCC1 | $10.19 | $10 67 | $9 76 | $11 18 | $11 66 | $11 10 | $9 95 | $10 76 | $10 30 |
| NRC 1st | ULCC1 | $35.77 | $36.23 | $35 68 | $35 82 | $35.86 | $35 78 | $35 71 | $35.91 | $35 74 |
| NRC Add'l | ULCC1 | $35.55 | $36.02 | $35 48 | $35 62 | $35.66 | $35 37 | $35 51 | $35 71 | $35 54 |
| **Channel Interface - 2 Wire Voice - Ground Start or Reverse Battery, per month** | TBD | $15.15 | $15 85 | $14 51 | $16 62 | $17 33 | $16 46 | $14 80 | $16 01 | $15 32 |
| NRC 1st | TBD | $35.77 | $36.23 | $35 68 | $35 82 | $35 86 | $35 78 | $35 71 | $35 91 | $35 74 |
| NRC Add'l | TBD | $35 55 | $36 02 | $35 48 | $35.62 | $35 66 | $35 37 | $35 51 | $35 71 | $35 54 |
| **Channel Interface - 4 Wire Voice, per month** | ULCC4 | $9 04 | $9.44 | $8.65 | $9 91 | $10 34 | $9 83 | $8 82 | $9 55 | $9 13 |
| NRC 1st | ULCC4 | $35.77 | $36 23 | $35.68 | $35 82 | $35 86 | $35 78 | $35 71 | $35 91 | $35 74 |
| NRC Add'l | ULCC4 | $35.55 | $36 02 | $35 48 | $35.62 | $35 66 | $35 37 | $35 51 | $35 71 | $35 54 |
| **Test Circuit, per month** | UCTTC | $44.16 | $46.14 | $42.30 | $48.43 | $50 53 | $47 85 | $43 13 | $46 66 | $44 65 |
| NRC 1st | UCTTC | $35.77 | $36 23 | $35.68 | $35 82 | $35 86 | $35 78 | $35 71 | $35 91 | $35 74 |
| NRC Add'l | UCTTC | $35 55 | $36.02 | $35 48 | $35.62 | $35 66 | $35 37 | $35 51 | $35 71 | $35 54 |
| **Channel Interface - Digital 56Kbps, per month** | ULCC5 | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| NRC 1st | ULCC5 | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| NRC Add'l | ULCC5 | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| **Channel Interface - Digital 64Kbps, per month** | ULCC6 | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| NRC 1st | ULCC6 | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| NRC Add'l | ULCC6 | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| **DARK FIBER** | | | | | | | | | | |
| **Per four fiber strands, per route mile or fraction thereof, per month** | 1L5DF | $59 84 | $55.35 | $44 22 | $64 64 | $65 29 | $70 35 | $49 88 | $72 45 | $52 67 |
| NRC - Per each four-fiber dark fiber arrangement - 1st | 1L5DF | $2,516.66 | $1,715.61 | $1,355 29 | $2,304 00 | $1,685 19 | $2,389 99 | $2,277 00 | $2,406 00 | $1,672 44 |
| NRC - Per each four-fiber dark fiber arrangement - Add'l | 1L5DF | $835 08 | $622.68 | $273 69 | $740 93 | $580 11 | $804 32 | $733 08 | $765 30 | $509 09 |
| | | | | | | | | | | |
| **NOTES:** | | | | | | | | | | |
| 1 In states where a specific NRC for customer transfer, feature additions and changes is not stated, the applicable NRC from the appropriate tariff applies | | | | | | | | | | |

**BELLSOUTH/Z-TEL RATES**
**NETWORK ELEMENTS**
**AND OTHER SERVICES**

| | | DESCRIPTION | USOC | AL | FL | GA | KY | LA | MS | NC | SC | TN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2 | Effective May 1, 2000 statewide rates will be replaced by Deaveraged Loop Rates by Zone where available. Until approximately December 31, 2000 or until such time that BellSouth billing systems have been developed to handle the new zone rate structure, BellSouth will bill at the Zone 1 Deaveraged Loop rate level only. After December 31, 2000 or such time that the billing systems have been developed to handle the new zone rate structure, BellSouth will begin billing pursuant to Birch's interconnection agreement | | | | | | | | | | |
| | 3 | All rates are interim and subject to true-up. | | | | | | | | | | |

**BELLSOUTH/Z-TEL RATES**
**NETWORK ELEMENTS**
**AND OTHER SERVICES**

| DESCRIPTION | USOC | AL | FL | GA | KY | LA | MS | NC | SC | TN |
|---|---|---|---|---|---|---|---|---|---|---|
| **LOCAL EXCHANGE SWITCHING (PORTS)** | | | | | | | | | | |
| **2-Wire Analog Line Port (Res., Bus.), per month** | | | | | | | | | | |
| 2- wire voice unbundled port - residence | UEPRL | $2.07 | $2.00 - Note 1 | $1.85 - Note 1 | $2 61 - Note 1 | $2 20 | $2 11 | $2 19 | $2 35 | $1 90 - Note 1 |
| 2-wire voice unbundled port with caller ID - residence | UEPRC | $2 07 | $2.00 | $1 85 | $2 61 | $2 20 | $2 11 | $2 00 | $2 35 | $1 90 |
| 2-wire voice unbundled port outgoing only - residence | UEPRO | $2 07 | $2.00 | $1 85 | $2 61 | $2 20 | $2 11 | $2 00 | $2 35 | $1 90 |
| 2-wire voice unbundled area plus port with caller ID - residence | UEPRM | $2.07 | $2.00 | $1.85 | $2 61 | $2 20 | $2 11 | $2 00 | $2.35 | $1 90 |
| 2-wire voice unbundled Florida area calling with caller ID - residence | UEPAF | NA | $2.00 | NA | NA | NA | NA | NA | NA | NA |
| 2-wire voice unbundled Louisiana Area Plus with caller ID - residence (RUL) | UEPAG | NA | NA | NA | NA | $2 20 | NA | NA | NA | NA |
| 2-wire voice unbundled Louisiana Area Plus with caller ID - residence (AC7) | UEPAH | NA | NA | NA | NA | $2 20 | NA | NA | NA | NA |
| 2-wire voice unbundled South Carolina Area Calling port with Caller ID - residence (LW8) | UEPAJ | NA | NA | NA | NA | NA | NA | NA | $2 35 | NA |
| 2-wire voice unbundled Tennessee Area Calling port with Caller ID - residence (F2R) | UEPAK | NA | NA | NA | NA | NA | NA | NA | NA | $1 90 |
| 2-wire voice unbundled Tennessee Area Calling port with Caller ID - residence (TACER) | UEPAL | NA | NA | NA | NA | NA | NA | NA | NA | $1 90 |
| 2-wire voice unbundled Tennessee Area Calling port with Caller ID - residence (TACSR) | UEPAM | NA | NA | NA | NA | NA | NA | NA | NA | $1 90 |
| 2-wire voice unbundled Tennessee Area Calling port with Caller ID - residence (1MF2X) | UEPAN | NA | NA | NA | NA | NA | NA | NA | NA | $1 90 |
| 2-wire voice unbundled Tennessee Area Calling port with Caller ID - residence (2MR) | UEPAO | NA | NA | NA | NA | NA | NA | NA | NA | $1 90 |
| 2-wire voice unbundled res, low usage line port with Caller ID (LUM) | UEPAP | $2.07 | $2.00 | $1.85 | $2 61 | $2 20 | $2 11 | $2 00 | $2 35 | $1 90 |
| | | | | | | | | | | |
| LOCAL NUMBER PORTABILITY (REQUIRES ONE PER PORT) | LNPCX | | | | | | | | | |
| | | | | | | | | | | |
| 2-wire voice unbundled port without Caller ID | UEPBL | $2 07 | $2 00 | $1 85 | $2 61 | $2 20 | $2 11 | $2 00 | $2 35 | $1 90 |
| 2-wire voice unbundled port with unbundled port with Caller+E484 ID | UEPBC | $2.07 | $2 00 | $1 85 | $2 61 | $2 20 | $2 11 | $2 00 | $2 35 | $1 90 |
| 2-wire voice unbundled outgoing only port | UEPBO | $2.07 | $2.00 | $1 85 | $2 61 | $2 20 | $2 11 | $2 00 | $2 35 | $1 90 |
| 2-wire voice unbundled area plus port with Caller ID | UEPBM | $2.07 | $2 00 | $1 85 | $2 61 | $2 20 | $2 11 | $2 00 | $2 35 | $1 90 |
| 2-wire voice unbundled incoming only port with Caller ID | UEPB1 | $2.07 | $2.00 | $1.85 | $2 61 | $2 20 | $2 11 | $2 00 | $2 35 | $1 90 |
| 2-wire voice unbundled LA Bus Area Calling Port with Caller ID (BUC) | UEPAA | NA | NA | NA | NA | $2.20 | NA | NA | NA | NA |
| 2-wire voice unbundled SC Bus Area Calling Port with Caller ID (LMB) | UEPAB | NA | NA | NA | NA | NA | NA | NA | $2 35 | NA |
| 2 wire voice unbundled TN Bus 2-Way Area Calling Port Economy Option (TACC) | UEPAC | NA | NA | NA | NA | NA | NA | NA | NA | $1 90 |
| 2 wire voice unbundled TN Bus 2 Way Area Calling Port Standard Option TA | UEPAD | NA | NA | NA | NA | NA | NA | NA | NA | $1 90 |
| 2 wire voice unbundled TN Bus 2 WAY Collierville and Memphis Local Calling Port (LC) | UEPAE | NA | NA | NA | NA | NA | NA | NA | NA | $1 90 |
| | | | | | | | | | | |
| LOCAL NUMBER PORTABILITY (REQUIRES ONE PER PORT) | LNPCX | | | | | | | | | |
| | | | | | | | | | | |
| **Non Recurring Charges (NRC) - 1st (Residence)** | | | | | | | | | | |
| 2 wire voice unbundled port - residence | UEPRL | $21.93 | $38.00 | $17 16 | $37 78 | $16 43 | $22 98 | $21 60 | $24 98 | BST GSST A4 3 1 |
| 2-wire voice unbundled port with caller ID - residence | UEPRC | $21.93 | $38 00 | $17 16 | $37.78 | $16 43 | $22 98 | $24 04 | $24 98 | BST GSST A4 3 1 |
| 2-wire voice unbundled port outgoing only - residence | UEPRO | $21.93 | $38 00 | $17 16 | $37 78 | $16 43 | $22 98 | $24 04 | $24 98 | BST GSST A4 3 1 |
| 2-wire voice unbundled area plus port with caller ID - residence | UEPRM | $21 93 | $38.00 | $17 16 | $37 78 | $16 43 | $22 98 | $24 04 | $24 98 | BST GSST A4 3 1 |
| 2-wire voice unbundled Florida area calling with caller ID - residence | UEPAF | NA | $38.00 | NA | NA | NA | NA | NA | NA | NA |
| 2-wire voice unbundled Louisiana Area Plus with caller ID - residence (RUL) | UEPAG | NA | NA | NA | NA | $16 43 | NA | NA | NA | NA |
| 2-wire voice unbundled Louisiana Area Plus with caller ID - residence (AC7) | UEPAH | NA | NA | NA | NA | $16 43 | NA | NA | NA | NA |

**BELLSOUTH/Z-TEL RATES**
**NETWORK ELEMENTS**
**AND OTHER SERVICES**

| DESCRIPTION | USOC | AL | FL | GA | KY | LA | MS | NC | SC | TN |
|---|---|---|---|---|---|---|---|---|---|---|
| 2-wire voice unbundled South Carolina Area Calling port with Caller ID - residence (LW8) | UEPAJ | NA | NA | NA | NA | NA | NA | NA | $24 98 | NA |
| 2-wire voice unbundled Tennessee Area Calling port with Caller ID - residence (F2R) | UEPAK | NA | NA | NA | NA | NA | NA | NA | NA | BST GSST A4 3 1 |
| 2-wire voice unbundled Tennessee Area Calling port with Caller ID - residence (TACER) | UEPAL | NA | NA | NA | NA | NA | NA | NA | NA | BST GSST A4 3 1 |
| 2-wire voice unbundled Tennessee Area Calling port with Caller ID - residence (TACSR) | UEPAM | NA | NA | NA | NA | NA | NA | NA | NA | BST GSST A4 3 1 |
| 2-wire voice unbundled Tennessee Area Calling port with Caller ID - residence (1MF2X) | UEPAN | NA | NA | NA | NA | NA | NA | NA | NA | BST GSST A4 3 1 |
| 2-wire voice unbundled Tennessee Area Calling port with Caller ID - residence (2MR) | UEPAO | NA | NA | NA | NA | NA | NA | NA | NA | BST GSST A4 3 1 |
| 2-wire voice unbundled Res Low Usage Line Port with Caller+E563 ID (LUM) | UEPAP | $21.93 | $38 00 | $17 16 | $37.78 | $16 43 | $22 98 | $24 04 | $24 98 | BST GSST A4 3 1 |
| **NRC - Add'l (Residence)** | | | | | | | | | | |
| 2- wire voice unbundled port - residence - | UEPRL | $21 93 | $15.00 | $17 16 | $37.78 | $16 43 | $22 98 | $21 60 | $24 98 | BST GSST A4 3 1 |
| 2-wire voice unbundled port with caller ID - residence | UEPRC | $21.93 | $15.00 | $17 16 | $37 78 | $16 43 | $22 98 | $9 08 | $24 98 | BST GSST A4 3 1 |
| 2-wire voice unbundled port outgoing only - residence | UEPRO | $21.93 | $15 00 | $17 16 | $37 78 | $16 43 | $22 98 | $9 08 | $24 98 | BST GSST A4 3 1 |
| 2-wire voice unbundled area plus port with caller ID - residence | UEPRM | $21.93 | $15.00 | $17 16 | $37 78 | $16 43 | $22.98 | $9 08 | $24 98 | BST GSST A4 3 1 |
| 2-wire voice unbundled Florida area calling with caller ID - residence | UEPAF | NA | $15 00 | NA | NA | NA | NA | NA | NA | NA |
| 2-wire voice unbundled Louisiana Area Plus with caller ID - residence (RUL) | UEPAG | NA | NA | NA | NA | $16 43 | NA | NA | NA | NA |
| 2-wire voice unbundled Louisiana Area Plus with caller ID - residence (AC7) | UEPAH | NA | NA | NA | NA | $16 43 | NA | NA | NA | NA |
| 2-wire voice unbundled South Carolina Area Calling port with Caller ID - residence (LW8) | UEPAJ | NA | NA | NA | NA | NA | NA | NA | $24 98 | NA |
| 2-wire voice unbundled Tennessee Area Calling port with Caller ID - residence (F2R) | UEPAK | NA | NA | NA | NA | NA | NA | NA | NA | BST GSST A4 3 1 |
| 2-wire voice unbundled Tennessee Area Calling port with Caller ID - residence (TACER) | UEPAL | NA | NA | NA | NA | NA | NA | NA | NA | BST GSST A4 3 1 |
| 2-wire voice unbundled Tennessee Area Calling port with Caller ID - residence (TACSR) | UEPAM | NA | NA | NA | NA | NA | NA | NA | NA | BST GSST A4 3 1 |
| 2-wire voice unbundled Tennessee Area Calling port with Caller ID - residence (1MF2X) | UEPAN | NA | NA | NA | NA | NA | NA | NA | NA | BST GSST A4 3 1 |
| 2-wire voice unbundled Tennessee Area Calling port with Caller ID - residence (2MR) | UEPAO | NA | NA | NA | NA | NA | NA | NA | NA | BST GSST A4 3 1 |
| 2-wire voice unbundled Res Low Usage Line Port with Caller ID (LUM) | UEPAP | $21.93 | $15 00 | $17 16 | $37 78 | $16 43 | $22 98 | $9 08 | $24.98 | BST GSST A4 3 1 |
| **NRC - 1st (Business)** | | | | | | | | | | |
| 2-wire Voice Unbundled Port without Caller ID | UEPBL | $21 93 | $38 00 | $17 16 | $37 55 | $16 43 | $22 98 | $21 60 | $24 98 | BST GSST A4 3 1 |
| 2-wire voice unbundled port with Caller ID | UEPBC | $21 93 | $38 00 | $17.16 | $37 55 | $16 43 | $22 98 | $24 04 | $24 98 | BST GSST A4 3 1 |
| 2-wire voice unbundled outgoing only port | UEPBO | $21 93 | $38 00 | $17 16 | $37 55 | $16 43 | $22 98 | $24 04 | $24 98 | BST GSST A4 3 1 |
| 2-wire voice unbundled Area Plus Port with Caller ID | UEPBM | $21 93 | $38.00 | $17.16 | $37 55 | $16 43 | $22 98 | $24 04 | $24 98 | BST GSST A4 3 1 |
| 2-wire voice unbundled Incoming only Port with Caller ID | UEPB1 | $21 93 | $38 00 | $17 16 | $37 55 | $16 43 | $22 98 | $24 04 | $24 98 | BST GSST A4 3 1 |
| 2-wire voice unbundled LA Bus Area Calling Port with Caller ID (BUC) | UEPAA | NA | NA | NA | NA | $16 43 | NA | NA | NA | NA |
| 2-wire voice unbundled SC Bus Area Calling Port with Caller ID+E587 (LMB) | UEPAB | NA | NA | NA | NA | NA | NA | NA | $24 98 | NA |

**BELLSOUTH/Z-TEL RATES**
**NETWORK ELEMENTS**
**AND OTHER SERVICES**

| DESCRIPTION | USOC | AL | FL | GA | KY | LA | MS | NC | SC | TN |
|---|---|---|---|---|---|---|---|---|---|---|
| 2-wire voice unbundled TN Bus 2-way Area Calling Port Economy Option (TACC1) | UEPAC | NA | NA | NA | NA | NA | NA | NA | NA | BST GSST A4 3 1 |
| 2-wire voice unbundled TN Bus 2-way Area Calling Port Standard Option (TACC2) | UEPAD | NA | NA | NA | NA | NA | NA | NA | NA | BST GSST A4 3 1 |
| 2-wire voice unbundled TN Bus 2-way Collierville and Memphis Local Calling Port (B2F) | UEPAE | NA | NA | NA | NA | NA | NA | NA | NA | BST GSST A4 3 1 |
| | | | | | | | | | | BST GSST A4 3 1 |
| **NRC - Add'l (Business)** | UEPBL | $21.93 | $15 00 | $17 16 | $37 55 | $16 43 | $22 98 | $9 08 | $24 98 | BST GSST A4 3 1 |
| 2-wire voice unbundled port without Caller ID | UEPBL | $21.93 | $15 00 | $17 16 | $37 55 | $16 43 | $22 98 | $21 60 | $24 98 | BST GSST A4 3 1 |
| 2-wire voice unbundled port with Caller ID | UEPBC | $21.93 | $15 00 | $17 16 | $37 55 | $16 43 | $22 98 | $9 08 | $24 98 | BST GSST A4 3 1 |
| 2-wire voice unbundled outgoing only port | UEPBO | $21 93 | $15 00 | $17 16 | $37 55 | $16 43 | $22 98 | $9 08 | $24 98 | BST GSST A4 3 1 |
| 2-wire voice unbundled Area Plus Port with Caller ID | UEPBM | $21.93 | $15 00 | $17.16 | $37.55 | $16 43 | $22 98 | $9 08 | $24 98 | BST GSST A4 3 1 |
| 2-wire voice unbundled incoming only port with Caller ID | UEPB1 | $21 93 | $15 00 | $17.16 | $37 55 | $16 43 | $22 98 | $9 08 | $24 98 | BST GSST A4 3 1 |
| 2-wire voice unbundled LA Bus Area Calling Port with Caller ID (BUC) | UEPAA | NA | NA | NA | NA | $16 43 | NA | NA | NA | NA |
| 2-wire voice unbundled SC Bus Area Calling Port with Caller ID (LMB) | UEPAB | NA | NA | NA | NA | NA | NA | NA | $24 98 | NA |
| 2-wire voice unbundled TN Bus 2-way Area Calling Port Economy Option (TACC1) | UEPAC | NA | NA | NA | NA | NA | NA | NA | NA | BST GSST A4 3 1 |
| 2-wire voice unbundled TN Bus 2-way Area Calling Port Standard Option (TACC2) | UEPAD | NA | NA | NA | NA | NA | NA | NA | NA | BST GSST A4 3 1 |
| 2-wire voice unbundled TN Bus 2-way Collierville and Memphis Locall Calling Port (B2F) | UEPAE | NA | NA | NA | NA | NA | NA | NA | NA | BST GSST A4 3 1 |
| | | | | | | | | | | |
| **NRC - Disconnect Charge - 1st** | | | | | | | | | | |
| 2 wire voice unbundled port - residence | | $6.21 | NA | NA | NA | $4 38 | $6 56 | NA | NA | NA |
| 2 wire voice unbundled port with caller ID - residence | | $6.21 | NA | NA | NA | $4 38 | $6 56 | NA | NA | NA |
| 2 wire voice unbundled port outgoing only - residence | | $6.21 | NA | NA | NA | $4 38 | $6 56 | NA | NA | NA |
| 2 wire voice unbundled area plus port with caller ID - residence | | $6 21 | NA | NA | NA | $4 38 | $6 56 | NA | NA | NA |
| 2 wire voice unbundled Florida area calling with caller ID - residence | | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2 wire voice unbundled Louisiana Area Plus with caller ID - residence (RUL) | | NA | NA | NA | NA | $4 38 | NA | NA | NA | NA |
| 2 wire voice unbundled Louisiana Area Plus with caller ID residence (AC7) | | NA | NA | NA | NA | $4 38 | NA | NA | NA | NA |
| 2 wire voice unbundled South Carolina Area Calling port with Caller ID - residence (LVR) | | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2 wire voice unbundled Tennessee Area Calling port with Caller ID - residence (B2H) | | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2 wire voice unbundled Tennessee Area Calling port with Caller ID - residence (TACER | | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-wire voice unbundled Tennessee Area Calling port with Caller ID - residence (TACSR) | | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-wire voice unbundled Tennessee Area Calling port with Caller ID - residence (1MF2X) | | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-wire voice unbundled Tennessee Area Calling port with Caller ID - residence (2MR) | | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-wire voice unbundled Res Low Usage Line Port with Caller ID (LUM) | | $6.21 | NA | NA | NA | $4 38 | $6 56 | NA | NA | NA |
| | | | | | | | | | | |
| 2-wire voice unbundled port without Caller ID | | $6 21 | NA | NA | NA | $4 38 | $6 56 | NA | NA | NA |
| 2-wire voice unbundled port with Caller ID | | $6 21 | NA | NA | NA | $4 38 | $6 56 | NA | NA | NA |
| 2-wire voice unbundled outgoing only Port | | $6.21 | NA | NA | NA | $4 38 | $6 56 | NA | NA | NA |

**BELLSOUTH/Z-TEL RATES**
**NETWORK ELEMENTS**
**AND OTHER SERVICES**

| DESCRIPTION | USOC | AL | FL | GA | KY | LA | MS | NC | SC | TN |
|---|---|---|---|---|---|---|---|---|---|---|
| 2-wire voice unbundled Area Plus Port with Caller ID | | $6 21 | NA | NA | NA | $4 38 | $6 56 | NA | NA | NA |
| 2-wire voice unbundled Incoming only Port with Caller ID | | $6 21 | NA | NA | NA | $4 38 | $6 56 | NA | NA | NA |
| 2-wire voice unbundled LA Bus Area Calling Port with Caller ID (BUC) | | NA | NA | NA | NA | $4 38 | NA | NA | NA | NA |
| 2-wire voice unbundles SC Bus Area Calling Port with Caller ID (LMB) | | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-wire voice unbundled TN Bus 2-way Area Calling Port Economy Option (TACC1) | | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-wire voice unbundled TN Bus 2-way Area Calling Port Standard Option (TACC2) | | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-wire voice unbundled TN Bus 2-Way Collierville and Memphis Local Calling Port (B2F) | | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | | | | | | | | |
| **NRC - Disconnect Charge - Add'l** | | | | | | | | | | |
| 2- wire voice unbundled port - residence | | $6 21 | NA | NA | NA | $4 38 | $6 56 | NA | NA | NA |
| 2-wire voice unbundled port with caller ID - residence | | $6.21 | NA | NA | NA | $4 38 | $6 56 | NA | NA | NA |
| 2-wire voice unbundled port outgoing only - residence | | $6 21 | NA | NA | NA | $4 38 | $6 56 | NA | NA | NA |
| 2-wire voice unbundled area plus port with caller ID - residence | | $6.21 | NA | NA | NA | $4 38 | $6 56 | NA | NA | NA |
| 2-wire voice unbundled Florida area calling with caller ID - residence | | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-wire voice unbundled Louisiana Area Plus with caller ID - residence (RUL) | | NA | NA | NA | NA | $4.38 | NA | NA | NA | NA |
| 2-wire voice unbundled Louisiana Area Plus with caller ID - residence (AC7) | | NA | NA | NA | NA | $4.38 | NA | NA | NA | NA |
| 2-wire voice unbundled South Carolina Area Calling port with Caller ID - residence (LW8) | | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-wire voice unbundled Tennessee Area Calling port with Caller ID - residence (F2R) | | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-wire voice unbundled Tennessee Area Calling port with Caller ID - residence (TACER) | | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-wire voice unbundled Tennessee Area Calling port with Caller ID - residence (TACSR) | | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-wire voice unbundled Tennessee Area Calling port with Caller ID - residence (1MF2X) | | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-wire voice unbundled Tennessee Area Calling port with Caller ID - residence (2MR) | | NA | NA | NA | NA | $4 38 | $6 56 | NA | NA | NA |
| 2-wire voice unbundled Res Low Usage Line Port with Caller ID (LUM) | | $6.21 | NA | NA | NA | $4.38 | $6 56 | NA | NA | NA |
| | | | | | | | | | | |
| 2-wire voice unbundled port without Caller ID | | $6 21 | NA | NA | NA | $4 38 | $6 56 | NA | NA | NA |
| 2-wire voice unbundled port with Caler ID | | $6 21 | NA | NA | NA | $4 38 | $6 56 | NA | NA | NA |
| 2-wire voice unbundled outgoing only port | | $6.21 | NA | NA | NA | $4 38 | $6 56 | NA | NA | NA |
| 2-wire voice unbundled Area Plus Port with Caller ID | | $6.21 | NA | NA | NA | $4 38 | $6 56 | NA | NA | NA |
| 2-wire voice unbundled incoming only port with Caller ID | | $6 21 | NA | NA | NA | $4 38 | $6 56 | NA | NA | NA |
| 2-wire voice unbundled LA Bus Area Calling Port with Caller ID (BUC) | | NA | NA | NA | NA | $4 38 | NA | NA | NA | NA |
| 2-wire voice unbundled SC Bus Area Calling Port with Caller ID (LMB) | | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-wire voice unbundled TN Bus 2-way Area Calling Port Economy Option (TACC1) | | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-wire voice unbundled TN Bus 2-way Area Calling Port Standard Option (TACC2) | | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-wire voice unbundled TN Bus 2-way Collierville and Memphis Local Calling Port (B2F) | | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | | | | | | | | |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAN | $27.37 | NA | $18 94 | NA | $18 14 | $25 52 | $26 94 | $44 42 | NA |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAN | $12.97 | NA | $8 42 | NA | $8 06 | $11 34 | $12 76 | $14 63 | NA |
| NRC - Incremental Charge - Manual Service Order - Disconnect - 1st | SOMAN | $17 77 | NA | NA | NA | $10 39 | $16 06 | NA | NA | NA |
| NRC - Incremental Charge - Manual Service Order - Disconnect - Add'l | SOMAN | $1 44 | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | | | | | | | | |
| **All available features, per month** | UEPVF | $5 55 | NA | NA | NA | $8 28 | $6 75 | NA | $6 29 | NA |
| NRC - 1st (all types) | | $24 72 | NA | NA | NA | NA | $21 42 | NA | $36 24 | NA |

**BELLSOUTH/Z-TEL RATES**
**NETWORK ELEMENTS**
**AND OTHER SERVICES**

| DESCRIPTION | USOC | AL | FL | GA | KY | LA | MS | NC | SC | TN |
|---|---|---|---|---|---|---|---|---|---|---|
| NRC - Add'l (all types) | | $24.72 | NA | NA | NA | NA | $21 42 | NA | $36 24 | NA |
| NRC - Disconnect Charge - 1st | | $18 41 | NA | NA | NA | NA | $19 68 | NA | NA | NA |
| NRC - Disconnect Charge - Add'l | | $18.41 | NA | NA | NA | NA | $19 68 | NA | NA | NA |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAN | $27.37 | NA | NA | NA | NA | $25 52 | NA | $44 42 | NA |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAN | $12.97 | NA | NA | NA | NA | $11 34 | NA | $14 63 | NA |
| NRC - Incremental Charge - Manual Service Order - Disconnect - 1st | SOMAN | $17.77 | NA | NA | NA | NA | $16 06 | NA | NA | NA |
| NRC - Incremental Charge - Manual Service Order - Disconnect - Add'l | SOMAN | $1.44 | NA | NA | NA | NA | NA | NA | NA | NA |
| **Three available feature, per month** | UEPVF | NA | NA | NA | NA | $8 28 | $3 31 | NA | $3 03 | NA |
| NRC - 1st (all types) | | NA | NA | NA | NA | NA | $3 06 | NA | $4 53 | NA |
| NRC - Add'l (all types) | | NA | NA | NA | NA | NA | $3.06 | NA | $4 53 | NA |
| NRC - Disconnect Charge - 1st | | NA | NA | NA | NA | NA | $8 20 | NA | NA | NA |
| NRC - Disconnect Charge - Add'l | | NA | NA | NA | NA | NA | $8 20 | NA | NA | NA |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAN | NA | NA | NA | NA | NA | $25 52 | NA | $44 42 | NA |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAN | NA | NA | NA | NA | NA | $11 34 | NA | $14 63 | NA |
| NRC - Incremental Charge - Manual Service Order - Disconnect - 1st | SOMAN | NA | NA | NA | NA | NA | $16 06 | NA | NA | NA |
| NRC - Incremental Charge - Manual Service Order - Disconnect - Add'l | SOMAN | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | | | | | | | | |
| **4-Wire Analog VG Port, per month** | UEP4A | NA | $9.14 | $8 47 | NA | $10 13 | $9 60 | $8 69 | $2 28 | NA |
| NRC - 1st | UEP4A | NA | $5.86 | $17 16 | NA | $16 43 | $22 98 | $21 69 | $3 50 | NA |
| NRC - Add'l | UEP4A | NA | $5 86 | $17.16 | NA | $16 43 | $22 98 | $21 69 | $3 50 | NA |
| NRC - Disconnect Charge - 1st | BFR | NA | NA | NA | NA | $3 77 | $6 56 | NA | NA | NA |
| NRC - Disconnect Charge - Add'l | BFR | NA | NA | NA | NA | $3 77 | $6 56 | NA | NA | NA |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAN | NA | NA | $18 94 | NA | $18 14 | $25 52 | $26 85 | NA | NA |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAN | NA | NA | $8.42 | NA | $8 06 | $11 34 | $12 67 | NA | NA |
| NRC - Incremental Charge - Manual Service Order - Disconnect - 1st | SOMAN | NA | NA | NA | NA | $8 94 | $16 06 | NA | NA | NA |
| **2-Wire DID Port, per month** | UEPP2 | $12.08 | TBD | $11 35 | NA | $13.12 | $14 63 | $12 36 | $12 08 | $12 68 |
| NRC - 1st | UEPP2 | $50 00 | TBD | $61 91 | NA | $59 28 | $83 09 | $81.84 | $50 00 | BST GSST A4 3 1 |
| NRC - Add'l | UEPP2 | $18 00 | TBD | $61 91 | NA | $59 28 | $83 09 | $81 84 | $50 00 | BST GSST A4 3 1 |
| NRC - Disconnect Charge - 1st | UEPP2 | NA | NA | NA | NA | $9 20 | $13 48 | NA | NA | NA |
| NRC - Disconnect Charge - Add'l | UEPP2 | NA | NA | NA | NA | $9 20 | $13 48 | NA | NA | NA |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAN | NA | NA | $18 94 | NA | $18 14 | $25 52 | $26 94 | NA | NA |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAN | NA | NA | $8 42 | NA | $8 06 | $11 34 | $12 76 | NA | NA |
| NRC - Incremental Charge - Manual Service Order - Disconnect - 1st | SOMAN | NA | NA | NA | NA | $10 39 | $16 07 | NA | NA | NA |
| **4-Wire DS1 Port w/DID capability, per month** | UEPDD | $130.23 | $125.00 | $120 80 | NA | $149 27 | $146 46 | $123 65 | $130 23 | $120 00 |
| NRC - 1st | UEPDD | $50 00 | $112.00 | $89 44 | NA | $85 63 | $117 81 | $116 59 | $60 00 | To be negotiated |
| NRC - Add'l | UEPDD | $18.00 | $91 00 | $52.46 | NA | $50 23 | $71 18 | $69 92 | $60 00 | To be negotiated |
| NRC - Disconnect Charge - 1st | UEPDD | NA | NA | NA | NA | $8 82 | $12 94 | NA | NA | NA |
| NRC - Disconnect Charge - Add'l | UEPDD | NA | NA | NA | NA | $8 82 | $12 94 | NA | NA | NA |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAN | NA | NA | $18 94 | NA | 18 14 | $25.52 | $26 94 | NA | NA |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAN | NA | NA | $8 42 | NA | $8 06 | $11 34 | $12 76 | NA | NA |
| NRC - Incremental Charge - Manual Service Order - Disconnect - 1st | SOMAN | NA | NA | NA | NA | $10 39 | $16 06 | NA | NA | NA |
| **2-Wire ISDN Port(2) (3), per month** | U1PMA | $16 42 | $13 00 | $13 47 | $12 33 | $23 33 | $51 91 | $24 50 | $33 74 | $1 90 |
| NRC - 1st | U1PMA | $63 24 | $88 00 | $47.37 | $90 48 | $45 35 | $63 59 | $62 29 | $65 79 | BST GSST A4 3 1 |
| NRC - Add'l | U1PMA | $63 24 | $66 00 | $47 37 | $84 53 | $45 35 | $63 59 | $62 29 | $65 79 | BST GSST A4 3 1 |
| NRC - Disconnect Charge - 1st | U1PMA | $5 69 | NA | NA | NA | $4 31 | $7 04 | NA | NA | NA |
| NRC - Disconnect Charge - Add'l | U1PMA | $5 69 | NA | NA | NA | $4 31 | $7 04 | NA | NA | NA |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAN | $56 19 | NA | $39 98 | NA | $38 29 | $53 87 | $55 30 | $67 52 | NA |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAN | $56 19 | NA | $39 98 | NA | $38 29 | $53 87 | $55 30 | $67 52 | NA |

**BELLSOUTH/Z-TEL RATES**
**NETWORK ELEMENTS**
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| DESCRIPTION | USOC | AL | FL | GA | KY | LA | MS | NC | SC | TN |
|---|---|---|---|---|---|---|---|---|---|---|
| NRC - Incremental Charge - Manual Service Order - Disconnect - 1st | SOMAN | $12 97 | NA | NA | NA | $6 65 | $11 34 | NA | NA | NA |
| NRC - Incremental Charge - Manual Service Order - Disconnect - Add'l | SOMAN | $12.97 | NA | NA | NA | $6 65 | $11 34 | NA | NA | NA |
| NRC - User Profile per B Channel (4) | U1UMA | NA | NA | NA | $5 61 | NA | NA | NA | NA | NA |
| **2-Wire ISDN Port(2) (3) Including all available features, per month** | U1PMA | NA | NA | NA | NA | NA | NA | NA | $38 68 | NA |
| NRC - 1st | U1PMA | NA | NA | NA | NA | NA | NA | NA | $106 40 | NA |
| NRC - Add'l | U1PMA | NA | NA | NA | NA | NA | NA | NA | $106 40 | NA |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAN | NA | NA | NA | NA | NA | NA | NA | $67 52 | NA |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAN | NA | NA | NA | NA | NA | NA | NA | $67 52 | NA |
| **2-Wire ISDN Port(2) (3) Including three available features, per month** | U1PMA | NA | NA | NA | NA | NA | NA | NA | $36 01 | NA |
| NRC - 1st | U1PMA | NA | NA | NA | NA | NA | NA | NA | $70 32 | NA |
| NRC - Add'l | U1PMA | NA | NA | NA | NA | NA | NA | NA | $70 32 | NA |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAN | NA | NA | NA | NA | NA | NA | NA | $67 52 | NA |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAN | NA | NA | NA | NA | NA | NA | NA | $67 52 | NA |
| **4-Wire ISDN DS1 Port, per month** | UEPEX | $186.02 | NA | $163.16 | NA | $194 72 | $213 21 | $179.75 | $214 79 | $308 00 |
| NRC - 1st | UEPEX | $244.85 | NA | $186 80 | NA | $181 89 | $244 12 | $241 63 | $278 37 | To be negotiated |
| NRC - Add'l | UEPEX | $244.85 | NA | $186 80 | NA | $181 89 | $244 12 | $241 63 | $278 37 | To be negotiated |
| NRC - Disconnect Charge - 1st | UEPEX | $51.19 | NA | NA | NA | $27.11 | $53 32 | NA | NA | NA |
| NRC - Disconnect Charge - Add'l | UEPEX | $51.19 | NA | NA | NA | $27 11 | $53 32 | NA | NA | NA |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAN | $54 75 | NA | $37 88 | NA | $33 18 | $51 03 | $53 89 | $65 48 | NA |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAN | $54.75 | NA | $37 88 | NA | $33 18 | $51 03 | $53 89 | $65 48 | NA |
| NRC - Incremental Charge - Manual Service Order - Disconnect - 1st | SOMAN | $11.53 | NA | NA | NA | $7 73 | $8 51 | NA | NA | NA |
| NRC - Incremental Charge - Manual Service Order - Disconnect - Add'l | SOMAN | $11 53 | NA | NA | NA | $7 73 | $8 51 | NA | NA | NA |
| **4-Wire ISDN DS1 Port Including all available features, per month** | UEPEX | NA | NA | NA | $275 48 | NA | NA | NA | $251 00 | NA |
| NRC - 1st | UEPEX | NA | NA | NA | $181 27 | NA | NA | NA | $311 73 | NA |
| NRC - Add'l | UEPEX | NA | NA | NA | $116 42 | NA | NA | NA | $311 73 | NA |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAN | NA | NA | NA | NA | NA | NA | NA | $65 48 | NA |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAN | NA | NA | NA | NA | NA | NA | NA | $65 48 | NA |
| **2-Wire Analog Line Port (PBX), per month** | | | | | | | | | | |
| 2 WIRE VOICE UNBUNDLED COMBINATION 2-WAY PBX TRUNK - Residence | UEPRD | $2.07 | $2 00 | $1 85 | $2 61 | $2 20 | $2 11 | $2 18 | $2 35 | $1 90 |
| LINE SIDE UNBUNDLED COMBINATION 2-WAY PBX TRUNK - BUSINESS | UEPPC | $2.07 | $2 00 | $1 85 | $2 61 | $2 20 | $2 11 | $2 00 | $2 35 | $1 90 |
| LINE SIDE UNBUNDLED OUTWARD PBX TRUNK - BUSINESS | UEPPO | $2.07 | $2 00 | $1 85 | $2 61 | $2 20 | $2 11 | $2 00 | $2 35 | $1 90 |
| LINE SIDE UNBUNDLED INCOMING PBX TRUNK - BUSINESS | UEPP1 | $2.07 | $2 00 | $1.85 | $2 61 | $2 20 | $2 11 | $2 00 | $2 35 | $1 90 |
| [illegible] TERMINAL PBX TRUNK BUSINESS | UEPLD | $2 07 | $2.00 | $1.85 | $2 61 | $2 20 | $2 11 | $2 00 | $2 35 | $1 90 |
| [illegible] PBX TRUNK BUSINESS | UEPT2 | $2 07 | $2.00 | $1 85 | $2 61 | $2 20 | $2 11 | $2 00 | $2 35 | $1 90 |
| [illegible] PBX TRUNK BUSINESS | UEPTO | $2 07 | $2.00 | $1.85 | $2 61 | $2 20 | $2 11 | $2 00 | $2 35 | $1 90 |
| [illegible] UNBUNDLED 2 WAY COMBINATION PBX ALABAMA CALLING PORT | UEPA2 | $2.07 | NA | NA | NA | NA | NA | NA | NA | NA |
| [illegible] UNBUNDLED 2 WAY COMBINATION PBX LOUISIANA CALLING PORT | UEPL2 | NA | NA | NA | NA | $2 20 | NA | NA | NA | NA |
| 2 WIRE [illegible] UNBUNDLED PBX LD TERMINAL PORTS | UEPLD | $2 07 | $2 00 | $1 85 | $2 61 | $2 20 | $2 11 | $2 00 | $2 35 | $1 90 |
| 2 WIRE VOICE UNBUNDLED 2-WAY COMBINATION PBX TENNESSEE CALLING PORT | UEPT2 | NA | NA | NA | NA | NA | NA | NA | NA | $1 90 |
| 2-WIRE VOICE UNBUNDLED 1-WAY OUTGOING PBX TENNESSEE CALLING PORT | UEPTO | NA | NA | NA | NA | NA | NA | NA | NA | $1 90 |
| 2-WIRE VOICE UNBUNDLED 2-WAY COMBINATION PBX USAGE PORT | UEPXA | $2 07 | $2.00 | $1 85 | $2 61 | $2 20 | $2.11 | $2 00 | $2 35 | $1 90 |
| 2-WIRE VOICE UNBUNDLED PBX TOLL TERMINAL HOTEL PORTS | UEPXB | $2 07 | $2 00 | $1 85 | $2 61 | $2 20 | $2 11 | $2 00 | $2 35 | $1 90 |
| 2-WIRE VOICE UNBUNDLED PBX LD DDD TERMINALS PORT | UEPXC | $2 07 | $2 00 | $1 85 | $2 61 | $2 20 | $2 11 | $2 00 | $2 35 | $1 90 |
| 2-WIRE VOICE UNBUNDLED PBX LD TERMINAL SWITCHBOARD PORT | UEPXD | $2 07 | $2.00 | $1.85 | $2 61 | $2 20 | $2 11 | $2 00 | $2 35 | $1 90 |
| 2-WIRE VOICE UNBUNDLED PBX LD TERMINAL SWITCHBOARD IDD CAPABLE PORT | UEPXE | $2 07 | $2.00 | $1 85 | $2 61 | $2 20 | $2 11 | $2 00 | $2 35 | $1 90 |
| 2-WIRE VOICE UNBUNDLED 2-WAY PBX KENTUCKY ROOM AREA CALLING PORT WITHOUT LUD | UEPXF | NA | NA | NA | $2 61 | NA | NA | NA | NA | NA |

**BELLSOUTH/Z-TEL RATES**
**NETWORK ELEMENTS**
**AND OTHER SERVICES**

| DESCRIPTION | USOC | AL | FL | GA | KY | LA | MS | NC | SC | TN |
|---|---|---|---|---|---|---|---|---|---|---|
| 2-WIRE VOICE UNBUNDLED PBX KENTUCKY LUD AREA CALLING PORT | UEPXG | NA | NA | NA | $2 61 | NA | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED PBX KENTUCKY PREMIUM CALLING PORT | UEPXH | NA | NA | NA | $2 61 | NA | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY KENTUCKY AREA CALLING PORT WITHOUT LUD | UEPXJ | NA | NA | NA | $2 61 | NA | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY PBX LOUISIANA LOCAL OPTIONAL CALLING PORT | UEPXK | NA | NA | NA | NA | $2 20 | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY PBX HOTEL/HOSPITAL ECONOMY ADMINISTRATIVE CALLING PORT | UEPXL | $2.07 | $2.00 | $1.85 | $2 61 | $2.20 | $2 11 | $2 00 | $2 35 | $1 90 |
| 2-WIRE VOICE UNBUNDLED 2-WAY PBX HOTEL/HOSPITAL ECONOMY ROOM CALLING PORT | URPXM | $2 07 | $2.00 | $1 85 | $2 61 | $2 20 | $2 11 | $2 00 | $2 35 | $1 90 |
| 2-WIRE VOICE UNBUNDLED 1-WAY OUTGOING PBX HOTEL/HOSPITAL ECONOMY ADMINIATRATIVE CALLING PORTTENNESSEE CALLING PORT | UEPXN | NA | NA | NA | NA | NA | NA | NA | NA | $1 90 |
| 2-WIRE VOICE UNBUNDLED 1-WAY OUTGOING PBX HOTEL/HOSPITAL DIACOUNT ROOM CALLING PORT | UEPXO | $2.07 | $2.00 | $1.85 | $2.61 | $2 20 | $2 11 | $2 00 | $2 35 | $1 90 |
| 2-WIRE VOICE UNBUNDLED 1-WAY OUTGOING PBX LOUISIANA LOCAL DISCOUNT CALLING PORT | UEPXP | NA | NA | NA | NA | $2 20 | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY PBX MISSISSIPPI LOCAL ECONOMY CALLING PORT | UEPXQ | NA | NA | NA | NA | NA | $2 11 | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY PBX MISSISSIPPI LOCAL OPTIONAL CALLING PORT | UEPXR | NA | NA | NA | NA | NA | $2 11 | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 1-WAY OUTGOING PBXMEASURED PORT | UEPXS | $2 07 | $2 00 | $1 85 | $2 61 | $2 20 | $2.11 | $2 00 | $2 35 | $1 90 |
| 2-WIRE VOICE UNBUNDLED 2-WAY PBX SOUTH CAROLINA AREA PLUS CALLING PORT | UEPXT | NA | NA | NA | NA | NA | NA | NA | $2 35 | NA |
| 2-WIRE VOICE UNBUNDLED PBX COLLIERVILLE & MEMPHIS CALLING PORT | UEPXU | NA | NA | NA | NA | NA | NA | NA | NA | $1 90 |
| 2-WIRE VOICE UNBUNDLED 2-WAY PBX TENNESSEE REGIONSERV CALLING PORT | UEPXV | NA | NA | NA | NA | NA | NA | NA | NA | $1 90 |
| | | | | | | | | | | |
| UNBUNDLED LOOP BILLING USOC (REQUIRES ONE PER PORT) | UEPLX | | | | | | | | | |
| | | | | | | | | | | |
| LOCAL NUMBER PORTABILITY (REQUIRES ONE PER PORT) | LNPCP | | | | | | | | | |
| | | | | | | | | | | |
| NRC - 1st | UEPPC | $21.93 | $38 00 | $17 16 | $36 47 | $16 43 | $22 98 | $24 04 | $24 36 | NA |
| 2 WIRE VOICE UNBUNDLED COMBINATION 2-WAY PBX TRUNK - Residence | UEPRD | $21.93 | $38 00 | $17 16 | $36 47 | $16 43 | $22.98 | $21 60 | $24 36 | NA |
| LINE SIDE UNBUNDLED COMBINATION 2-WAY PBX TRUNK - BUSINESS | UEPPC | $21.93 | $38.00 | $17.16 | $36.47 | $16 43 | $22 98 | $24 04 | $24 36 | NA |
| LINE SIDE UNBUNDLED OUTWARD PBX TRUNK - BUSINESS | UEPPO | $21.93 | $38.00 | $17.16 | $36 47 | $16 43 | $22.98 | $24 04 | $24 36 | NA |
| LINE SIDE UNBUNDLED INCOMING PBX TRUNK - BUSINESS | UEPP1 | $21.93 | $38 00 | $17 16 | $36 47 | $16 43 | $22 98 | $24 04 | $24 36 | NA |
| LONG DISTANCE TERMINAL PBX TRUNK-BUSINESS | UEPLD | $21.93 | $38 00 | $17.16 | $36.47 | $16.43 | $22 98 | $24 04 | $24 36 | NA |
| TN 2 WAY CALLING PLAN PBX TRUNK - BUSINESS | UEPT2 | $21 93 | $38 00 | $17.16 | $36 47 | $16 43 | $22 98 | $24 04 | $24 36 | NA |
| TN OUTWARD CALLING PLAN PBX TRUNK - BUSINESS | UEPTO | $21.93 | $38.00 | $17.16 | $36 47 | $16 43 | $22 98 | $24 04 | $24 36 | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY COMBINATION PBX ALABAMA CALLING PORT | UEPA2 | $21.93 | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY COMBINATION PBX LOUISIANA CALLING PORT | UEPL2 | NA | NA | NA | NA | $16 43 | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED PBX LD TERMINAL PORTS | UEPLD | $21 93 | $38.00 | $17.16 | $36 47 | $16 43 | $22 98 | $24 04 | $24 36 | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY COMBINATION PBX TENNESSEE CALLING PORT | UEPT2 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 1-WAY OUTGOING PBX TENNESSEE CALLING PORT | UEPTO | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY COMBINATION PBX USAGE PORT | UEPXA | $21.93 | $38 00 | $17.16 | $36 47 | $16 43 | $22 98 | $24 04 | $24 36 | NA |
| 2-WIRE VOICE UNBUNDLED PBX TOLL TERMINAL HOTEL PORTS | UEPXB | $21 93 | $38 00 | $17.16 | $36 47 | $16 43 | $22 98 | $24 04 | $24 36 | NA |
| 2-WIRE VOICE UNBUNDLED PBX LD DDD TERMINALS PORT | UEPXC | $21 93 | $38 00 | $17 16 | $36 47 | $16 43 | $22 98 | $24 04 | $24 36 | NA |
| 2-WIRE VOICE UNBUNDLED PBX LD TERMINAL SWITCHBOARD PORT | UEPXD | $21 93 | $38 00 | $17 16 | $36 47 | $16 43 | $22 98 | $24 04 | $24 36 | NA |

**BELLSOUTH/Z-TEL RATES**
**NETWORK ELEMENTS**
**AND OTHER SERVICES**

| DESCRIPTION | USOC | AL | FL | GA | KY | LA | MS | NC | SC | TN |
|---|---|---|---|---|---|---|---|---|---|---|
| 2-WIRE VOICE UNBUNDLED PBX LD TERMINAL SWITCHBOARD IDD CAPABLE PORT | UEPXE | $21 93 | $38 00 | $17 16 | $36 47 | $16 43 | $22 98 | $24 04 | $24 36 | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY PBX KENTUCKY ROOM AREA CALLING PORT WITHOUT LUD | UEPXF | NA | NA | NA | $36 47 | NA | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED PBX KENTUCKY LUD AREA CALLING PORT | UEPXG | NA | NA | NA | $36 47 | NA | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED PBX KENTUCKY PREMIUM CALLING PORT | UEPXH | NA | NA | NA | $36 47 | NA | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY KENTUCKY AREA CALLING PORT WITHOUT LUD | UEPXJ | NA | NA | NA | $36 47 | NA | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY PBX LOUISIANA LOCAL OPTIONAL CALLING PORT | UEPXK | NA | NA | NA | NA | $16 43 | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY PBX HOTEL/HOSPITAL ECONOMY ADMINISTRATIVE CALLING PORT | UEPXL | $21.93 | $38 00 | $17 16 | $36 47 | $16 43 | $22 98 | $24 04 | $24 36 | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY PBX HOTEL/HOSPITAL ECONOMY ROOM CALLING PORT | URPXM | $21.93 | $38 00 | $17 16 | $36 47 | $16 43 | $22 98 | $24 04 | $24 36 | NA |
| 2-WIRE VOICE UNBUNDLED 1-WAY OUTGOING PBX HOTEL/HOSPITAL ECONOMY ADMINIATRATIVE CALLING PORTTENNESSEE CALLING PORT | UEPXN | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 1-WAY OUTGOING PBX HOTEL/HOSPITAL DIACOUNT ROOM CALLING PORT | UEPXO | $21.93 | $38.00 | $17 16 | $36 47 | $16 43 | $22 98 | $24 04 | $24 36 | NA |
| 2-WIRE VOICE UNBUNDLED 1-WAY OUTGOING PBX LOUISIANA LOCAL DISCOUNT CALLING PORT | UEPXP | NA | NA | NA | NA | $16 43 | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY PBX MISSISSIPPI LOCAL ECONOMY CALLING PORT | UEPXQ | NA | NA | NA | NA | NA | $22 98 | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY PBX MISSISSIPPI LOCAL OPTIONAL CALLING PORT | UEPXR | NA | NA | NA | NA | NA | $22 98 | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 1-WAY OUTGOING PBXMEASURED PORT | UEPXS | $21.93 | $38 00 | $17 16 | $36 47 | $16 43 | $22 98 | $24 04 | $24 36 | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY PBX SOUTH CAROLINA AREA PLUS CALLING PORT | UEPXT | NA | NA | NA | NA | NA | NA | NA | $24 36 | NA |
| 2-WIRE VOICE UNBUNDLED PBX COLLIERVILLE & MEMPHIS CALLING PORT | UEPXU | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY PBX TENNESSEE REGIONSERV CALLING PORT | UEPXV | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | | | | | | | | |
| NRC Add I | | | | | | | | | | |
| [illegible] COMBINATION 2 WAY PBX TRUNK - Residence | UEPRD | $21 93 | $15 00 | $17 16 | $36.47 | $16 43 | $22 98 | $21 60 | $24 36 | NA |
| [illegible] COMBINATION 2 WAY PBX TRUNK - BUSINESS | UEPPC | $21.93 | $15.00 | $17.16 | $36 47 | $16 43 | $22 98 | $9 05 | $24 36 | NA |
| [illegible] OUTWARD PBX TRUNK BUSINESS | UEPPO | $21.93 | $15.00 | $17 16 | $36 47 | $16 43 | $22 98 | $9 05 | $24 36 | NA |
| [illegible] INCOMING PBX TRUNK BUSINESS | UEPP1 | $21.93 | $15.00 | $17.16 | $36 47 | $16 43 | $22 98 | $9 05 | $24 36 | NA |
| [illegible] TERMINAL PBX TRUNK BUSINESS | UEPLD | $21 93 | $15.00 | $17 16 | $36.47 | $16 43 | $22 98 | $9 05 | $24 36 | NA |
| [illegible] PLAN PBX TRUNK - BUSINESS | UEPT2 | $21.93 | $15.00 | $17 16 | $36 47 | $16 43 | $22 98 | $9 05 | $24 36 | NA |
| [illegible] CALLING PLAN PBX TRUNK - BUSINESS | UEPTO | $21.93 | $15.00 | $17 16 | $36 47 | $16 43 | $22 98 | $9 05 | $24 36 | NA |
| 2 WIRE VOICE UNBUNDLED 2-WAY COMBINATION PBX ALABAMA CALLING PORT | UEPA2 | $21.93 | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY COMBINATION PBX LOUISIANA CALLING PORT | UEPL2 | NA | NA | NA | NA | $16 43 | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED PBX LD TERMINAL PORTS | UEPLD | $21 93 | $15.00 | $17 16 | $36 47 | $16 43 | $22 98 | $9 05 | $24 36 | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY COMBINATION PBX TENNESSEE CALLING PORT | UEPT2 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 1-WAY OUTGOING PBX TENNESSEE CALLING PORT | UEPTO | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY COMBINATION PBX USAGE PORT | UEPXA | $21 93 | $15.00 | $17.16 | $36 47 | $16 43 | $22 98 | $9 05 | $24 36 | NA |
| 2-WIRE VOICE UNBUNDLED PBX TOLL TERMINAL HOTEL PORTS | UEPXB | $21 93 | $15.00 | $17.16 | $36 47 | $16 43 | $22 98 | $9 05 | $24 36 | NA |
| 2-WIRE VOICE UNBUNDLED PBX LD DDD TERMINALS PORT | UEPXC | $21.93 | $15.00 | $17 16 | $36 47 | $16 43 | $22 98 | $9 05 | $24 36 | NA |
| 2-WIRE VOICE UNBUNDLED PBX LD TERMINAL SWITCHBOARD PORT | UEPXD | $21 93 | $15 00 | $17.16 | $36 47 | $16 43 | $22 98 | $9 05 | $24 36 | NA |

**BELLSOUTH/Z-TEL RATES**
**NETWORK ELEMENTS**
**AND OTHER SERVICES**

| DESCRIPTION | USOC | AL | FL | GA | KY | LA | MS | NC | SC | TN |
|---|---|---|---|---|---|---|---|---|---|---|
| 2-WIRE VOICE UNBUNDLED PBX LD TERMINAL SWITCHBOARD IDD CAPABLE PORT | UEPXE | $21.93 | $15 00 | $17 16 | $36 47 | $16 43 | $22 98 | $9 05 | $24 36 | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY PBX KENTUCKY ROOM AREA CALLING PORT WITHOUT LUD | UEPXF | NA | NA | NA | $36 47 | NA | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED PBX KENTUCKY LUD AREA CALLING PORT | UEPXG | NA | NA | NA | $37 47 | NA | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED PBX KENTUCKY PREMIUM CALLING PORT | UEPXH | NA | NA | NA | $38 47 | NA | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY KENTUCKY AREA CALLING PORT WITHOUT LUD | UEPXJ | NA | NA | NA | $39 47 | NA | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY PBX LOUISIANA LOCAL OPTIONAL CALLING PORT | UEPXK | NA | NA | NA | NA | $16.43 | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY PBX HOTEL/HOSPITAL ECONOMY ADMINISTRATIVE CALLING PORT | UEPXL | $21.93 | $15.00 | $17.16 | $36 47 | $16 43 | $22 98 | $9 05 | $24 36 | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY PBX HOTEL/HOSPITAL ECONOMY ROOM CALLING PORT | URPXM | $21.93 | $15 00 | $17 16 | $36 47 | $16 43 | $22.98 | $9 05 | $24 36 | NA |
| 2-WIRE VOICE UNBUNDLED 1-WAY OUTGOING PBX HOTEL/HOSPITAL ECONOMY ADMINIATRATIVE CALLING PORTTENNESSEE CALLING PORT | UEPXN | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 1-WAY OUTGOING PBX HOTEL/HOSPITAL DIACOUNT ROOM CALLING PORT | UEPXO | $21.93 | $15 00 | $17 16 | $36 47 | $16 43 | $22 98 | $9 05 | $24 36 | NA |
| 2-WIRE VOICE UNBUNDLED 1-WAY OUTGOING PBX LOUISIANA LOCAL DISCOUNT CALLING PORT | UEPXP | NA | NA | NA | NA | $16 43 | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY PBX MISSISSIPPI LOCAL ECONOMY CALLING PORT | UEPXQ | NA | NA | NA | NA | NA | $22 98 | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY PBX MISSISSIPPI LOCAL OPTIONAL CALLING PORT | UEPXR | NA | NA | NA | NA | NA | $22 98 | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 1-WAY OUTGOING PBXMEASURED PORT | UEPXS | $21.93 | $15.00 | $17.16 | $36 47 | $16 43 | $22 98 | $9 05 | $24 36 | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY PBX SOUTH CAROLINA AREA PLUS CALLING PORT | UEPXT | NA | NA | NA | NA | NA | NA | NA | $24 36 | NA |
| 2-WIRE VOICE UNBUNDLED PBX COLLIERVILLE & MEMPHIS CALLING PORT | UEPXU | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY PBX TENNESSEE REGIONSERV CALLING PORT | UEPXV | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | | | | | | | | |
| OHC - **Disconnect Charge - 1st** | | | | | | | | | | |
| 2 WIRE VOICE UNBUNDLED COMBINATION 2-WAY PBX TRUNK - Residence | | $6.21 | NA | NA | NA | $3 77 | $6 56 | NA | NA | NA |
| LINE SIDE UNBUNDLED COMBINATION 2-WAY PBX TRUNK - BUSINESS | | $6.21 | NA | NA | NA | $3.77 | $6 56 | NA | NA | NA |
| LINE SIDE UNBUNDLED OUTWARD PBX TRUNK - BUSINESS | | $6.21 | NA | NA | NA | $3 77 | $6 56 | NA | NA | NA |
| LINE SIDE UNBUNDLED INCOMING PBX TRUNK - BUSINESS | | $6.21 | NA | NA | NA | $3.77 | $6 56 | NA | NA | NA |
| LONG DISTANCE TERMINAL PBX TRUNK-BUSINESS | | $6.21 | NA | NA | NA | $3 77 | $6 56 | NA | NA | NA |
| TN 2-WAY CALLING PLAN PBX TRUNK - BUSINESS | | $6.21 | NA | NA | NA | $3 77 | $6 56 | NA | NA | NA |
| TN OUTWARD CALLING PLAN PBX TRUNK - BUSINESS | | $6.21 | NA | NA | NA | $3 77 | $6.56 | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY COMBINATION PBX ALABAMA CALLING PORT | | $6.21 | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY COMBINATION PBX LOUISIANA CALLING PORT | | NA | NA | NA | NA | $3 77 | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED PBX LD TERMINAL PORTS | | $6.21 | NA | NA | NA | $3 77 | $6 56 | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY COMBINATION PBX TENNESSEE CALLING PORT | | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 1-WAY OUTGOING PBX TENNESSEE CALLING PORT | | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY COMBINATION PBX USAGE PORT | | $6 21 | NA | NA | NA | $3 77 | $6 56 | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED PBX TOLL TERMINAL HOTEL PORTS | | $6 21 | NA | NA | NA | $3 77 | $6 56 | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED PBX LD DDD TERMINALS PORT | | $6 21 | NA | NA | NA | $3 77 | $6 56 | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED PBX LD TERMINAL SWITCHBOARD PORT | | $6.21 | NA | NA | NA | $3 77 | $6 56 | NA | NA | NA |

**BELLSOUTH/Z-TEL RATES**
**NETWORK ELEMENTS**
**AND OTHER SERVICES**

| DESCRIPTION | USOC | AL | FL | GA | KY | LA | MS | NC | SC | TN |
|---|---|---|---|---|---|---|---|---|---|---|
| 2-WIRE VOICE UNBUNDLED PBX LD TERMINAL SWITCHBOARD IDD CAPABLE PORT | | $6.21 | NA | NA | NA | $3 77 | $6 56 | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY PBX KENTUCKY ROOM AREA CALLING PORT WITHOUT LUD | | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED PBX KENTUCKY LUD AREA CALLING PORT | | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED PBX KENTUCKY PREMIUM CALLING PORT | | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY KENTUCKY AREA CALLING PORT WITHOUT LUD | | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY PBX LOUISIANA LOCAL OPTIONAL CALLING PORT | | NA | NA | NA | NA | $3 77 | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY PBX HOTEL/HOSPITAL ECONOMY ADMINISTRATIVE CALLING PORT | | $6.21 | NA | NA | NA | $3 77 | $6.56 | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY PBX HOTEL/HOSPITAL ECONOMY ROOM CALLING PORT | | $6.21 | NA | NA | NA | $3 77 | $6 56 | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 1-WAY OUTGOING PBX HOTEL/HOSPITAL ECONOMY ADMINIATRATIVE CALLING PORTTENNESSEE CALLING PORT | | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 1-WAY OUTGOING PBX HOTEL/HOSPITAL DIACOUNT ROOM CALLING PORT | | $6.21 | NA | NA | NA | $3 77 | $6 56 | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 1-WAY OUTGOING PBX LOUISIANA LOCAL DISCOUNT CALLING PORT | | $6 21 | NA | NA | NA | $3 77 | $6 56 | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY PBX MISSISSIPPI LOCAL ECONOMY CALLING PORT | | NA | NA | NA | NA | NA | $6 56 | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY PBX MISSISSIPPI LOCAL OPTIONAL CALLING PORT | | NA | NA | NA | NA | NA | $6 56 | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 1-WAY OUTGOING PBXMEASURED PORT | | $6.21 | NA | NA | NA | $3 77 | $6 56 | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY PBX SOUTH CAROLINA AREA PLUS CALLING PORT | | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED PBX COLLIERVILLE & MEMPHIS CALLING PORT | | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY PBX TENNESSEE REGIONSERV CALLING PORT | | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | | | | | | | | |
| NRC - Disconnect Charge - Add'l | | | | | | | | | | |
| 2 WIRE VOICE UNBUNDLED COMBINATION 2-WAY PBX TRUNK - Residence | | $6.21 | NA | NA | NA | $3 77 | $6 56 | NA | NA | NA |
| LINE SIDE UNBUNDLED COMBINATION 2-WAY PBX TRUNK - BUSINESS | | $6.21 | NA | NA | NA | $3 77 | $6 56 | NA | NA | NA |
| LINE SIDE UNBUNDLED OUTWARD PBX TRUNK - BUSINESS | | $6 21 | NA | NA | NA | $3 77 | $6 56 | NA | NA | NA |
| LINE SIDE UNBUNDLED INCOMING PBX TRUNK - BUSINESS | | $6.21 | NA | NA | NA | $3 77 | $6 56 | NA | NA | NA |
| LONG DISTANCE TERMINAL PBX TRUNK-BUSINESS | | $6.21 | NA | NA | NA | $3 77 | $6 56 | NA | NA | NA |
| TN 2 WAY CALLING PLAN PBX TRUNK - BUSINESS | | $6.21 | NA | NA | NA | $3 77 | $6 56 | NA | NA | NA |
| TN OUTWARD CALLING PLAN PBX TRUNK - BUSINESS | | $6 21 | NA | NA | NA | $3 77 | $6 56 | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY COMBINATION PBX ALABAMA CALLING PORT | | $6 21 | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY COMBINATION PBX LOUISIANA CALLING PORT | | NA | NA | NA | NA | $3 77 | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED PBX LD TERMINAL PORTS | | $6 21 | NA | NA | NA | $3 77 | $6 56 | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY COMBINATION PBX TENNESSEE CALLING PORT | | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 1-WAY OUTGOING PBX TENNESSEE CALLING PORT | | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY COMBINATION PBX USAGE PORT | | $6.21 | NA | NA | NA | $3 77 | $6 56 | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED PBX TOLL TERMINAL HOTEL PORTS | | $6 21 | NA | NA | NA | $3 77 | $6 56 | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED PBX LD DDD TERMINALS PORT | | $6 21 | NA | NA | NA | $3 77 | $6 56 | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED PBX LD TERMINAL SWITCHBOARD PORT | | $6 21 | NA | NA | NA | $3 77 | $6 56 | NA | NA | NA |

**BELLSOUTH/Z-TEL RATES**
**NETWORK ELEMENTS**
**AND OTHER SERVICES**

| DESCRIPTION | USOC | AL | FL | GA | KY | LA | MS | NC | SC | TN |
|---|---|---|---|---|---|---|---|---|---|---|
| 2-WIRE VOICE UNBUNDLED PBX LD TERMINAL SWITCHBOARD IDD CAPABLE PORT | | $6 21 | NA | NA | NA | $3 77 | $6 56 | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY PBX KENTUCKY ROOM AREA CALLING PORT WITHOUT LUD | | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED PBX KENTUCKY LUD AREA CALLING PORT | | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED PBX KENTUCKY PREMIUM CALLING PORT | | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY KENTUCKY AREA CALLING PORT WITHOUT LUD | | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY PBX LOUISIANA LOCAL OPTIONAL CALLING PORT | | NA | NA | NA | NA | $3 77 | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY PBX HOTEL/HOSPITAL ECONOMY ADMINISTRATIVE CALLING PORT | | $6.21 | NA | NA | NA | $3.77 | $6 56 | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY PBX HOTEL/HOSPITAL ECONOMY ROOM CALLING PORT | | $6.21 | NA | NA | NA | $3 77 | $6 56 | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 1-WAY OUTGOING PBX HOTEL/HOSPITAL ECONOMY ADMINIATRATIVE CALLING PORTTENNESSEE CALLING PORT | | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 1-WAY OUTGOING PBX HOTEL/HOSPITAL DIACOUNT ROOM CALLING PORT | | $6.21 | NA | NA | NA | $3 77 | $6 56 | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 1-WAY OUTGOING PBX LOUISIANA LOCAL DISCOUNT CALLING PORT | | $6 21 | NA | NA | NA | $3 7 | $6 56 | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY PBX MISSISSIPPI LOCAL ECONOMY CALLING PORT | | NA | NA | NA | NA | NA | $6 56 | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY PBX MISSISSIPPI LOCAL OPTIONAL CALLING PORT | | NA | NA | NA | NA | NA | $6 56 | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 1-WAY OUTGOING PBXMEASURED PORT | | $6 21 | NA | NA | NA | $3 77 | $6 56 | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY PBX SOUTH CAROLINA AREA PLUS CALLING PORT | | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED PBX COLLIERVILLE & MEMPHIS CALLING PORT | | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY PBX TENNESSEE REGIONSERV CALLING PORT | | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | | | | | | | | |
| NRC Incremental Charge Manual Service Order - 1st | SOMAN | $27.37 | NA | $18 94 | NA | $18 14 | $25 52 | $26 94 | $41 86 | NA |
| NRC Incremental Charge Manual Service Order - Add'l | SOMAN | $12.97 | NA | $8 42 | NA | $8 06 | $11.34 | $12 76 | $14 46 | NA |
| NRC Incremental Charge Manual Service Order Disconnect - 1st | SOMAN | $17.77 | NA | NA | NA | $8 94 | $16 06 | NA | NA | NA |
| NRC Incremental Charge Manual Service Order Disconnect - Add'l | SOMAN | $0.48 | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | | | | | | | | |
| **2-Wire Analog Line Port (PBX) including all available features, per month** | UEPPC | NA | NA | NA | NA | NA | NA | NA | $8 [illegible] | NA |
| NRC - 1st | UEPPC | NA | NA | NA | NA | NA | NA | NA | $60 60 | NA |
| NRC - Add'l | UEPPC | NA | NA | NA | NA | NA | NA | NA | $60 60 | NA |
| NRC - Incremental Charge Manual Service Order - 1st | SOMAN | NA | NA | NA | NA | NA | NA | NA | $41 86 | NA |
| NRC - Incremental Charge Manual Service Order - Add'l | SOMAN | NA | NA | NA | NA | NA | NA | NA | $14 46 | NA |
| **2-Wire Analog Line Port (PBX) including three available features, per month** | UEPPC | NA | NA | NA | NA | NA | NA | NA | $5 38 | NA |
| NRC - 1st | UEPPC | NA | NA | NA | NA | NA | NA | NA | $28 89 | NA |
| NRC - Add'l | UEPPC | NA | NA | NA | NA | NA | NA | NA | $28 89 | NA |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAN | NA | NA | NA | NA | NA | NA | NA | $41 86 | NA |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAN | NA | NA | NA | NA | NA | NA | NA | $14 46 | NA |
| | | | | | | | | | | |
| **2-Wire Analog Hunting, per line per month** | HTGUX | See features | NA | NA | $0 29 | NA | See features | NA | See features | NA |
| NRC - 1st | HTGUX | See features | NA | NA | $2 14 | NA | See features | NA | See features | NA |
| NRC - Add'l | HTGUX | See features | NA | NA | $2 14 | NA | See features | NA | See features | NA |
| **Coin Port, per month** | | $2 34 | NA | $2 05 | $3 04 | $2 50 | $2 32 | NA | $2 77 | $1 90 |

**BELLSOUTH/Z-TEL RATES**
**NETWORK ELEMENTS**
**AND OTHER SERVICES**

| DESCRIPTION | USOC | AL | FL | GA | KY | LA | MS | NC | SC | TN |
|---|---|---|---|---|---|---|---|---|---|---|
| NRC - 1st | | $21.93 | NA | $17 16 | $40.71 | $16 43 | $22 98 | NA | $24 75 | BST GSST A4 3 1 |
| NRC - Add'l | | $21 93 | NA | $17.16 | $40 71 | $16 43 | $22 98 | NA | $24 75 | BST GSST A4 3 1 |
| NRC - Disconnect Charge - 1st | | $5.21 | NA | NA | NA | $4 15 | $6 56 | NA | NA | NA |
| NRC - Disconnect Charge - Add'l | | $5.21 | NA | NA | NA | $4 15 | $6 56 | NA | NA | NA |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAN | $25.93 | NA | $18.94 | NA | $18 14 | $25 52 | NA | $43.48 | NA |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAN | $12.97 | NA | $8 42 | NA | $8 06 | $11 34 | NA | $14 57 | NA |
| NRC - Incremental Charge - Manual Service Order - Disconnect - 1st | SOMAN | $16.33 | NA | NA | NA | $9 86 | $16 06 | NA | NA | NA |
| NRC - Incremental Charge - Manual Service Order - Disconnect - Add'l | SOMAN | $0.48 | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | | | | | | | | |
| **4- Wire Coin Port, per month** | | NA | NA | NA | NA | NA | NA | $2 59 | NA | NA |
| NRC - 1st | | NA | NA | NA | NA | NA | NA | $21 60 | NA | NA |
| NRC - Add'l | | NA | NA | NA | NA | NA | NA | $21 60 | NA | NA |
| NRC - Disconnect Charge - 1st | | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| NRC - Disconnect Charge - Add'l | | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| NRC - Incremental Charge - Manual Service Order - 1st | | NA | NA | NA | NA | NA | NA | $26 94 | NA | NA |
| NRC - Incremental Charge - Manual Service Order - Add'l | | NA | NA | NA | NA | NA | NA | $12 76 | NA | NA |
| NRC - Incremental Charge - Manual Service Order - Disconnect - 1st | | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| NRC - Incremental Charge - Manual Service Order - Disconnect - Add'l | | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | | | | | | | | |
| **VERTICAL FEATURES** | | | | | | | | | | |
| Local Switching Features offered with Port, Per month | N/A | NA | No add'l charge | NA | No add'l charge | $8 28 | NA | NA | See above | NA |
| **Three-Way Calling, per month** | | $1.12 | NA | NA | NA | NA | $1 32 | $0 89 | $1 10 | NA |
| NRC | | $1.03 | NA | NA | NA | NA | $1 02 | $1 51 | $1 51 | NA |
| NRC - Disconnect | | $0.55 | NA | NA | NA | NA | $0 5466 | NA | NA | NA |
| **Customer Changeable Speed Calling, per month** | | $0.08 | NA | NA | NA | NA | $0 0755 | $0.17 | $0 1247 | NA |
| NRC | | $1 03 | NA | NA | NA | NA | $1 02 | $1 51 | $1 51 | NA |
| NRC - Disconnect | | $0 55 | NA | NA | NA | NA | $0 5466 | NA | NA | NA |
| **Call Waiting** | | $0.03 | NA | NA | NA | NA | $0 033 | $0 09 | $0 0665 | NA |
| NRC | | $1.03 | NA | NA | NA | NA | $1.02 | $1 51 | $1 51 | NA |
| NRC - Disconnect | | $0.55 | NA | NA | NA | NA | $0 5466 | NA | NA | NA |
| **Remote Activation of Call Fordwarding, per month** | | $0.18 | NA | NA | NA | NA | $0 4859 | $0 85 | $0 3743 | NA |
| NRC | | $1.03 | NA | NA | NA | NA | $1 02 | $1 51 | $1 51 | NA |
| NRC - Disconnect | | $0.55 | NA | NA | NA | NA | $0 5466 | NA | NA | NA |
| **Cancel Call Waiting, per month** | | $0.01 | NA | NA | NA | NA | $0 0082 | $0 01 | $0 0099 | NA |
| NRC | | $1.03 | NA | NA | NA | NA | $1 02 | $1 51 | $1 51 | NA |
| NRC - Disconnect | | $0.55 | NA | NA | NA | NA | $0 5466 | NA | NA | NA |
| **Automatic Callback, per month** | | $0.29 | NA | NA | NA | NA | $0 9977 | $0 66 | $0 8015 | NA |
| NRC | | $1 03 | NA | NA | NA | NA | $1 02 | $1 51 | $1 51 | NA |
| NRC - Disconnect | | $0.55 | NA | NA | NA | NA | $0 5466 | NA | NA | NA |
| **Automatic Recall, per month** | | $0 28 | NA | NA | NA | NA | $0 3164 | $0 29 | $0 3102 | NA |
| NRC | | $1 03 | NA | NA | NA | NA | $1 02 | $1 51 | $1 51 | NA |
| NRC - Disconnect | | $0.55 | NA | NA | NA | NA | $0 5466 | NA | NA | NA |
| **Calling Number Delivery, per month** | | $0.22 | NA | NA | NA | NA | $0 1817 | $0 33 | $0 3272 | NA |
| NRC | | $1 03 | NA | NA | NA | NA | $1 02 | $1 51 | $1 51 | NA |
| NRC - Disconnect | | $0 55 | NA | NA | NA | NA | $0 5466 | NA | NA | NA |
| **Calling Number Delivery Blocking, per month** | | $1.17 | NA | NA | NA | NA | $0 9913 | $0 02 | $0 3684 | NA |
| NRC | | $1 03 | NA | NA | NA | NA | $1 02 | $1 51 | $1 51 | NA |
| NRC - Disconnect | | $0 55 | NA | NA | NA | NA | $0 5466 | NA | NA | NA |
| **Customer Originated Trace, per month** | | $0 14 | NA | NA | NA | NA | $0 1918 | $0 14 | $0 1402 | NA |
| NRC | | $1.03 | NA | NA | NA | NA | $1 02 | $1 51 | $1 51 | NA |
| NRC - Disconnect | | $0.55 | NA | NA | NA | NA | $0 5466 | NA | NA | NA |

**BELLSOUTH/Z-TEL RATES**
**NETWORK ELEMENTS**
**AND OTHER SERVICES**

| DESCRIPTION | USOC | AL | FL | GA | KY | LA | MS | NC | SC | TN |
|---|---|---|---|---|---|---|---|---|---|---|
| **Selective Call Rejection, per month** | | $0.13 | NA | NA | NA | NA | $0 1721 | $0 13 | $0 1528 | NA |
| NRC | | $1.03 | NA | NA | NA | NA | $1 02 | $1 51 | $1 51 | NA |
| NRC - Disconnect | | $0.55 | NA | NA | NA | NA | $0 5466 | NA | NA | NA |
| **Selective Call Forwarding, per month** | | $0.05 | NA | NA | NA | NA | $0 1050 | $0 28 | $0 1287 | NA |
| NRC | | $1.03 | NA | NA | NA | NA | $1 02 | $1 51 | $1 51 | NA |
| NRC - Disconnect | | $0.55 | NA | NA | NA | NA | $0 5466 | NA | NA | NA |
| **Selective Call Acceptance, per month** | | $0.29 | NA | NA | NA | NA | $0 4010 | $0 33 | $0 3283 | NA |
| NRC | | $1 03 | NA | NA | NA | NA | $1 02 | $1 51 | $1 51 | NA |
| NRC - Disconnect | | $0.55 | NA | NA | NA | NA | $0 5466 | NA | NA | NA |
| **Multiline Hunt Service (Rotary)** | | | | | | | | | | |
| **Service per line, (in addition to port) , per month** | | $0.11 | NA | NA | NA | NA | $0 1271 | $0 14 | $0 1301 | NA |
| NRC | | $1 03 | NA | NA | NA | NA | $1 02 | $1 51 | $1 51 | NA |
| NRC - Disconnect | | $0 55 | NA | NA | NA | NA | $0 5466 | NA | NA | NA |
| **Call Forwarding Variable, per month** | | $0.05 | NA | NA | NA | NA | $0 0474 | $0 10 | $0 0768 | NA |
| NRC | | $1.03 | NA | NA | NA | NA | $1 02 | $1 51 | $1 51 | NA |
| NRC - Disconnect | | $0 55 | NA | NA | NA | NA | $0 5466 | NA | NA | NA |
| **Call Forwarding Busy Line, per month** | | $0 03 | NA | NA | NA | NA | $0 0279 | $0 08 | $0 0603 | NA |
| NRC | | $1.03 | NA | NA | NA | NA | $1.02 | $1 51 | $1 51 | NA |
| NRC - Disconnect | | $0 55 | NA | NA | NA | NA | $0 5466 | NA | NA | NA |
| **Call Forwarding Don't Answer All Calls, per month** | | $0 03 | NA | NA | NA | NA | $0 0308 | $0 09 | $0 0655 | NA |
| NRC | | $1 03 | NA | NA | NA | NA | $1 02 | $1 51 | $1 51 | NA |
| NRC - Disconnect | | $0.55 | NA | NA | NA | NA | $0.5466 | NA | NA | NA |
| **Remote Call Forwarding, per month** | | $1.36 | NA | NA | NA | NA | $1 47 | $0 95 | $1 41 | NA |
| NRC | | $1.03 | NA | NA | NA | NA | $1 02 | $1.51 | $1 51 | NA |
| NRC - Disconnect | | $0.55 | NA | NA | NA | NA | $0.5466 | NA | NA | NA |
| **Call Transfer, per month** | | $0 12 | NA | NA | NA | NA | $0 1404 | $0 14 | $0 1392 | NA |
| NRC | | $1 03 | NA | NA | NA | NA | $1 02 | $1 51 | $1 51 | NA |
| NRC - Disconnect | | $0.55 | NA | NA | NA | NA | $0.5466 | NA | NA | NA |
| **Call Hold, per month** | | $0 03 | NA | NA | NA | NA | $0 0190 | $0 15 | $0 0677 | NA |
| NRC | | $1.03 | NA | NA | NA | NA | $1.02 | $1 51 | $1 51 | NA |
| NRC - Disconnect | | $0 55 | NA | NA | NA | NA | $0 5466 | NA | NA | NA |
| **Toll Restricted Service, per month** | | $0.04 | NA | NA | NA | NA | $0 0387 | $0 10 | $0 0743 | NA |
| NRC | | $1.03 | NA | NA | NA | NA | $1 02 | $1 51 | $1 51 | NA |
| NRC - Disconnect | | $0.55 | NA | NA | NA | NA | $0 5466 | NA | NA | NA |
| **Message Waiting Indicator - Stutter Dial Tone, per month** | | $0.03 | NA | NA | NA | NA | $0 0356 | $0 03 | $0 0318 | NA |
| NRC | | $1.03 | NA | NA | NA | NA | $1 02 | $1 51 | $1 51 | NA |
| NRC - Disconnect | | $0.55 | NA | NA | NA | NA | $0 5466 | NA | NA | NA |
| **Anonymous Call Rejection, per month** | | $0.93 | NA | NA | NA | NA | $0 9519 | $1 29 | $1 13 | NA |
| NRC | | $1 03 | NA | NA | NA | NA | $1 02 | $1 51 | $1 51 | NA |
| NRC - Disconnect | | $0 55 | NA | NA | NA | NA | $0 5466 | NA | NA | NA |
| **Shared Call Appearances of a DN, per month** | | $0.41 | NA | NA | NA | NA | $0 5015 | $0 29 | $0 3513 | NA |
| NRC | | $1 03 | NA | NA | NA | NA | $1 02 | $1 47 | $1 47 | NA |
| NRC - Disconnect | | $0 55 | NA | NA | NA | NA | $0 5466 | NA | NA | NA |
| **Multiple Call Appearances, per month** | | $0.09 | NA | NA | NA | NA | $0 0932 | $0 07 | $0 0891 | NA |
| NRC | | $1 03 | NA | NA | NA | NA | $1 02 | $1 47 | $1 47 | NA |
| NRC - Disconnect | | $0 55 | NA | NA | NA | NA | $0 5466 | NA | NA | NA |
| **ISDN Bridged Call Exclusion, per month** | | $0 00 | NA | NA | NA | NA | $0 0013 | $0 0011 | $0 0013 | NA |
| NRC | | $1 03 | NA | NA | NA | NA | $1 02 | $1 47 | $1 47 | NA |
| NRC - Disconnect | | $0 55 | NA | NA | NA | NA | $0 5466 | NA | NA | NA |
| **Call by Call Access, per month** | | $28 29 | NA | NA | NA | NA | $50 89 | $19 83 | $0 3621 | NA |
| NRC | | $28 94 | NA | NA | NA | NA | $28 61 | $33 33 | $33 36 | NA |
| NRC - Disconnect | | $5 22 | NA | NA | NA | NA | $5 16 | NA | NA | NA |
| **Privacy Release, per month** | | $0 01 | NA | NA | NA | NA | $0 0030 | $0 0041 | $0 0116 | NA |
| NRC | | $1 03 | NA | NA | NA | NA | $1 02 | $1 51 | $1 51 | NA |

**BELLSOUTH/Z-TEL RATES**
**NETWORK ELEMENTS**
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| DESCRIPTION | USOC | AL | FL | GA | KY | LA | MS | NC | SC | TN |
|---|---|---|---|---|---|---|---|---|---|---|
| NRC - Disconnect | | $0 55 | NA | NA | NA | NA | $0 5466 | NA | NA | NA |
| **Multi Appearance Directory Number Calls, per month** | | $0.10 | NA | NA | NA | NA | $0 1115 | $0 13 | $0 1048 | NA |
| NRC | | $1.03 | NA | NA | NA | NA | $1 02 | $1 51 | $1 51 | NA |
| NRC - Disconnect | | $0 55 | NA | NA | NA | NA | $0.5466 | NA | NA | NA |
| **Make Set Busy, per month** | | $0 01 | NA | NA | NA | NA | $0 0013 | $0 0020 | $0 0101 | NA |
| NRC | | $1 03 | NA | NA | NA | NA | $1 02 | $1 51 | $1 51 | NA |
| NRC - Disconnect | | $0 55 | NA | NA | NA | NA | $0 5466 | NA | NA | NA |
| **Teen Service (Res. Dist. Alerting Service), per month** | | $0 15 | NA | NA | NA | NA | $0 1071 | $0 26 | $0 2149 | NA |
| NRC | | $1 03 | NA | NA | NA | NA | $1 02 | $1 51 | $1 51 | NA |
| NRC - Disconnect | | $0 55 | NA | NA | NA | NA | $0 5466 | NA | NA | NA |
| **Code Restriction and Diversion, per month** | | $0.04 | NA | NA | NA | NA | $0 0464 | $0 09 | $0 0708 | NA |
| NRC | | $1.03 | NA | NA | NA | NA | $1 02 | $1 51 | $1 51 | NA |
| NRC - Disconnect | | $0.55 | NA | NA | NA | NA | $0 5466 | NA | NA | NA |
| **Call Park, per month** | | $0 04 | NA | NA | NA | NA | $0 0443 | $0 09 | $0 0694 | NA |
| NRC | | $1.03 | NA | NA | NA | NA | $1 02 | $1 51 | $1 51 | NA |
| NRC - Disconnect | | $0.55 | NA | NA | NA | NA | $0 5466 | NA | NA | NA |
| **Automatic Line, per month** | | $0.09 | NA | NA | NA | NA | $0 1111 | $0 14 | $0 1179 | NA |
| NRC | | $1.03 | NA | NA | NA | NA | $1 02 | $1 51 | $1 51 | NA |
| NRC - Disconnect | | $0.55 | NA | NA | NA | NA | $0 5466 | NA | NA | NA |
| | | | | | | | | | | |
| **2-WIRE ISDN BRI FEATURES** | | | | | | | | | | |
| Shared Primary Number-First Appr On Each Add'l Terminal | DS1FJ | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Secondary Only Dn (Shared/Non-Shared) First Appearance | LLDSF | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Shared Secondary Only Dn-First Appr On Each Add'l Term | DS1F1 | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Shared Non-ISDN DN | DOE | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Privacy Release | DS1FU | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Manual Exclusion | DS1FM | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Call Forwarding Variable-Voice Or Voice/Data | LLNCV | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Call Forwarding Variable – Data | LLOCD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Call Forwarding Variable – Feature Button – Voice | GJXCF | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Call Forwarding Variable – Feature Button – Data | LLPCD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Call Forwarding Busy Line – Voice Or Voice/Data | LLQCV | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Call Forwarding Busy Line – Data | LLRCD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Call Frwdng Busy Line–Prgrmmbl–Voice Or Voice/Data | M6AVA | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Call Forwarding Busy Line – Programmable - Data | M6ADF | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Call Forwarding Don't Answer – Voice Or Voice/Data | LLSCV | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Call Forwarding Don't Answer – Data | LLUCD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Call Forwdng Don't Answer–Prgrmmble Voice Or Voice/Data | M6BVA | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Call Forwarding Don't Answer – Programmable - Data | M6BDF | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Call Frwdng Multiple Simultaneous – Voice Or Voice/Data | M6CV5 | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Call Forwarding Multiple Simultaneous – Data | M6CD5 | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Conference, Drop, Hold And Transfer | DS1FN | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Six-Way Conference, Drop, Hold And Transfer | LLY6P | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Multi-Line Hunt Group – Voice Or Voice/Data | HTG | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Multi-Line Hunt Group – Data | HTGSD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Speed Calling | LLZSU | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Visual Message Waiting Indicator | LLAVP | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Audible Message Waiting Indicator | MWW | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Additional Call Appearance, PDN Or DN | DS1FG | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Call Tracing | NST | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Call Return | NSS | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Preferred Call Forwarding | NCE | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Call Block | NSY | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Repeat Dialing | NSQ | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Per Line Blocking For Agencies/Law Enforcement | NOB | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |

**BELLSOUTH/Z-TEL RATES**
**NETWORK ELEMENTS**
**AND OTHER SERVICES**

| DESCRIPTION | USOC | AL | FL | GA | KY | LA | MS | NC | SC | TN |
|---|---|---|---|---|---|---|---|---|---|---|
| Per Line Blocking For Non-Pub Customers | NOBNN | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Per Line Blocking For General Public | NOBPC | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Per Line Blocking For Non-Pub, And Non-Listed Customer | NOBPP | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Per Line Blocking For Non-Pub Customers | NOBNP | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Per Line Blocking For Non-Pub Customers | NOBNR | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Call Return Denial Of, Per Activation | BCR | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Repeat Dialing, Denial Of, Per Activation | BRD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Automatic Line/Direct Connect | M6GN9 | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Make Set Busy | M6MPD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Selective Call Acceptance | M6K16 | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Call Park/Call Retrieve | M6HP6 | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Call Transfer System Exception | M6QTD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Make Set Busy – Intragroup | M6MGD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| All Customized Code Restrictions | CREX+ | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Additional Listings | CLT | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Additional Listing No Rate | FLT | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Cross Reference Listing | LLT | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Non-Pub Listing No Rate | NP3 | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Non-List Listing | NLT | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Non-List Listing No Rate | NLE | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Alternate Call Listing | FNA | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Manual Service Order Charge | SOMAN | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| All Selective Class Of Call Screening | SRG++ | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| | | | | | | | | | | |
| **ISDN Message Waiting Indication-Lamp, per month** | | $0.01 | NA | NA | NA | NA | $0 0105 | $0 0107 | $0 0138 | NA |
| NRC | | $1 03 | NA | NA | NA | NA | $1 02 | $1 47 | $1 47 | NA |
| NRC - Disconnect | | $0 55 | NA | NA | NA | NA | $0 5466 | NA | NA | NA |
| **ISDN Feature Function Buttons** | | NA | NA | NA | NA | NA | NA | NA | | |
| NRC | | $1 03 | NA | NA | NA | NA | $1 02 | $1 51 | $1 51 | NA |
| NRC - Disconnect | | $0.55 | NA | NA | NA | NA | $0.5466 | NA | NA | NA |
| **Subsequent Ordering Charge – (per order, per line)** | | NA | NA | NA | NA | NA | NA | NA | | |
| NRC - Electronic - 1st | | $2 88 | NA | NA | NA | NA | $2 84 | $5 42 | $1 36 | NA |
| NRC - Electronic - Add'l | | $0.96 | NA | NA | NA | NA | $0 95 | $0 95 | $0 71 | NA |
| NRC - Manual - 1st | | $4 80 | NA | NA | NA | NA | $4 73 | $1 89 | $7 35 | NA |
| NRC - Manual - Add'l | | $0 96 | NA | NA | NA | NA | $0 95 | NA | $0 95 | NA |
| NRC Disconnect | | $2.88 | NA | NA | NA | NA | $2 84 | NA | NA | NA |
| | | | | | | | | | | |
| **End Office Switching (Port Usage)** | | | | | | | | | | |
| End Office Switching Function, per mou | N/A | $0.0018 | $0 0175 | $0 0016333 | $0 002562 | $0 0021 | $0 0023771 | $0 0017000 | $0 0019295 | $0 0019 |
| End Office Switching Function, add'l mou (5) | N/A | NA | $0 005 | NA | NA | NA | NA | NA | NA | NA |
| End Office Interoffice Trunk Port—Shared, per mou | N/A | $0.0002 | NA | $0 0001564 | NA | $0 0002 | $0 0001927 | NA | $0 0002581 | NA |
| | | | | | | | | | | |
| **Tandem Switching (Port Usage) (Local or Access Tandem)** | | | | | | | | | | |
| Tandem Switching Function per mou | N/A | $0.00063 | $0 00029 | $0 0006757 | $0 001096 | $0 0008 | $0 0007834 | $0 0009 | $0 0006843 | $0 000676 |
| Tandem Interoffice Trunk Port - Shared per mou | | | NA | $0 0002126 | NA | $0 0003 | $0 0002834 | NA | $0 0004034 | NA |
| | | | | | | | | | | |
| **NOTES:** | | | | | | | | | | |
| 1 Port rate includes all available features | | | | | | | | | | |
| 2 Transmission/usage charges associated with POTS circuit switched usage will also apply to circuit switched voice and/or circuit switched data transmission by B-Channels associated with 2-wire ISDN ports | | | | | | | | | | |
| 3 Access to B Channel or D Channel Packet capabilities will be avail- able only through BFR/New Business Request Process Rates for the packet capabilities will be determined via the Bona Fide Request/New Business Request Process. | | | | | | | | | | |

**BELLSOUTH/Z-TEL RATES**
**NETWORK ELEMENTS**
**AND OTHER SERVICES**

| DESCRIPTION | | | | USOC | AL | FL | GA | KY | LA | MS | NC | SC | TN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 4 | This rate element is for those states which have a specific rate for User Profile per B Channel. | | | | | | | | | | |
| | | 5 | This rate element is for use in those states with a different rate for additional minutes of use. | | | | | | | | | | |

**BELLSOUTH/Z-TEL RATES**
**NETWO[illegible]EMENTS**
**AND OTHER SERVICES**

| DESCRIPTION | USOC | AL | FL | GA | KY | LA | MS | NC | SC | TN |
|---|---|---|---|---|---|---|---|---|---|---|
| **INTEROFFICE TRANSPORT** | | | | | | | | | | |
| **Common (Shared) Transport** | | | | | | | | | | |
| Common (Shared) Transport per mile per mou | N/A | $0 00001 | $0 000012 | $0 000008 | $0.0000049 | $0 0000083 | $0 0000091 | $0 00001 | $0 0000121 | $0 00004 |
| Common (Shared) Transport Facilities Termination per mou | N/A | $0 00045 | $0 0005 | $0.0004152 | $0 000426 | $0.00047 | $0 0004281 | $0 00034 | $0 0004672 | $0 00036 |
| **Interoffice Channel - Dedicated Transport - VG** | | | | | | | | | | |
| Interoffice Channel - Dedicated Transport - 2-Wire VG - per mile | 1L5XX | $0.03390 | NA | $0 0222 | $0 03 | $0 0384 | $0 0323 | $0 0282 | $0 0373 | $0 0173 |
| Interoffice Channel - Dedicated Transport - 2-Wire VG - facility termination per month | U1TV2 | $18.49 | NA | $17 07 | $27 66 | $19 10 | $21 33 | $18 00 | $21 42 | $18 33 |
| NRC - 1st | U1TV2 | $144.27 | NA | $79 61 | $142 31 | $104 23 | $144 77 | $137 48 | $136 44 | $83 35 |
| NRC - Add'l | U1TV2 | $54.15 | NA | $36 08 | $56 21 | $39 91 | $56 06 | $52 58 | $51 37 | $20 88 |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAC | $40 34 | NA | $18.94 | $37 21 | $26 20 | $36 86 | $38 07 | $39 63 | $30 15 |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAC | $40.54 | NA | $18.94 | $37 21 | $26 20 | $36 86 | $38 07 | $39 63 | $31 63 |
| **Interoffice Channel - Dedicated Transport - DS0 - 56/64 KBPS** | | | | | | | | | | |
| Interoffice Channel - Dedicated Transport - DS0 - per mile per month | 1L5XX | $0.0339 | $0 0252 | $0 0222 | $0 03 | $0 0384 | $0 0323 | $0 0282 | $0 0373 | $0.17 |
| Interoffice Channel - Dedicated Transport - DS0 - facility termination per month | U1TD6 | $17 81 | $21.33 | $16 45 | $26 95 | $18 37 | $20 64 | $17 40 | $20 71 | $17.74 |
| NRC - 1st | U1TD6 | $144 27 | $137.15 | $79 61 | $142 31 | $104 23 | $144 77 | $137 48 | $136 44 | $83 35 |
| NRC - Add'l | U1TD6 | $54 15 | $64.45 | $36 08 | $56 21 | $39 91 | $56 06 | $52 58 | $51 37 | $20 88 |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAC | $40.34 | NA | $18 94 | $37 21 | $26 20 | $36 86 | $38 07 | $39 63 | $30 15 |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAC | $40.34 | NA | $18.94 | $37 21 | $26 20 | $36 86 | $38 07 | $39 63 | $31 63 |
| **Interoffice Channel - Dedicated Transport - DS1** | | | | | | | | | | |
| Interoffice Channel - Dedicated Transport - DS1- per mile per month | 1L5XX | $0.69 | $0 6013 | $0 4523 | $0 45 | $0 7831 | $0 6598 | $0 5753 | $0 7598 | $0 3525 |
| Interoffice Channel - Dedicated Transport - DS1 facility termination per month | U1TF1 | $79.69 | $99.79 | $78.47 | $55 05 | $93 40 | $74 40 | $71 29 | $94 98 | $75 83 |
| NRC - 1st | U1TF1 | $223.59 | $45.91 | $147.07 | $298 18 | $160.49 | $222 81 | $217 17 | $216 27 | $166 53 |
| NRC - Add'l | U1TF1 | $168 60 | $44.18 | $111.75 | $231.23 | $123 03 | $168 92 | $163 75 | $162.70 | $124 84 |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAC | $40.34 | NA | $18 94 | NA | $26 20 | $36 83 | $38 07 | $39 63 | $30.15 |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAC | $40.34 | NA | $18.94 | NA | $26 20 | $36 86 | $38 07 | $39 63 | $31 63 |
| **Interoffice Channel - Dedicated Transport - DS3** | | | | | | | | | | |
| Interoffice Channel - Dedicated Transport - DS3 - per mile per month | 1L5XX | $11.93 | $10.25 | $7 07 | $12 06 | $16 15 | $15 02 | $12 98 | $19 14 | $6 88 |
| Interoffice Channel - Dedicated Transport - DS3 - facility termination per month | U1TF3 | $736.60 | $994.83 | $743 41 | $1,112 02 | $1,131 09 | $744.38 | $720 38 | $904 49 | $840 61 |
| NRC - 1st | U1TF3 | $877 36 | $884 71 | $878 95 | $858 75 | $883 62 | $812 30 | $794 94 | $856 96 | $877 70 |
| NRC - Add'l | U1TF3 | $540.46 | $552.81 | $542 61 | $524 95 | $545 50 | $596 55 | $579.55 | $522.20 | $540 32 |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAC | $101.69 | NA | $98 49 | $94 57 | $99 02 | $92 05 | $91 26 | $99 09 | $102 75 |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAC | $101.69 | NA | $98 49 | $94 57 | $101 69 | $92 05 | $91 26 | $99 09 | $102 75 |
| **Interoffice Channel - Dedicated Transport - STS-1** | | | | | | | | | | |
| Interoffice Channel - Dedicated Transport - STS-1 - per mile per month | 1L5XX | $11 93 | $10 25 | $7 07 | $12.06 | $16.15 | $13 48 | $11 62 | $19 14 | $6 88 |
| Interoffice Channel - Dedicated Transport - STS-1 - facility termination per month | U1TFS | $733.93 | $966 49 | $733.72 | $1,088 67 | $1,114 68 | $692 52 | $814 72 | $944 40 | $838 65 |
| NRC - 1st | U1TFS | $858.02 | $868 23 | $856.62 | $858.75 | $861 17 | $858 15 | $857 29 | $861 20 | $858 26 |
| NRC - Add'l | U1TFS | $524 50 | $530.74 | $523 64 | $524 94 | $526 42 | $524 58 | $524 05 | $526 44 | $525 25 |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAC | $94.49 | $95 61 | $94 34 | $94 57 | $94 84 | $94 50 | $94 41 | $94 84 | $94 63 |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAC | $94.49 | $95.61 | $94.34 | $94 57 | $94 84 | $94 50 | $94 41 | $94 84 | $94 63 |
| **Local Channel - Dedicated Transport** | | | | | | | | | | |
| **Local Channel - Dedicated Transport - 2-Wire VG** | | | | | | | | | | |
| Monthly Recurring | ULDV2 | $14 61 | $18 02 | $13 91 | $22 26 | $14 94 | $17 83 | $14 82 | $16 83 | $19 02 |
| NRC - 1st | ULDV2 | $572.46 | $477 33 | $382 95 | $597 14 | $401 17 | $565 31 | $553 80 | $554 00 | $254 14 |
| NRC - Add'l | ULDV2 | $92.07 | $124 32 | $62 40 | $110 52 | $66 35 | $93 30 | $86.69 | $88 58 | $28 96 |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAC | $45.12 | NA | $18 94 | $41 46 | $29 54 | $41 57 | $42 17 | $43 75 | $33 65 |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAC | $18 73 | NA | $8 42 | NA | $19 46 | $27 39 | $12 76 | $13 55 | $23 84 |
| **Local Channel - Dedicated Transport - 4-Wire VG** | | | | | | | | | | |
| Monthly Recurring | ULDD6 | $15.77 | $19 01 | $14 99 | $23 38 | $16 21 | $19 03 | $15 87 | $18 05 | $20 14 |
| NRC - 1st | ULDD6 | $581.14 | $77.33 | $368.44 | $585 15 | $407 11 | $573 83 | $562 23 | $562 46 | $257 05 |
| NRC - Add'l | ULDD6 | $95.21 | $124.32 | $64 05 | $98 53 | $68 61 | $96 40 | $92 67 | $91 57 | $30 34 |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAC | $45 12 | NA | $18 94 | $98 53 | $29 54 | $41 57 | $42 17 | $43 64 | $33 65 |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAC | $18 73 | NA | $8 42 | $11 99 | $19 46 | $27 39 | $12 76 | $13 55 | $23 84 |
| **Local Channel - Dedicated Transport - DS1** | | | | | | | | | | |
| Monthly Recurring | TMECS | $35 52 | $44 35 | $38 36 | $43 80 | $43 80 | $38 91 | $35 68 | $37 20 | $40 27 |
| NRC - 1st | TMECS | $549.85 | $246 50 | $356.15 | $538 95 | $396 86 | $588 53 | $534 48 | $534 81 | $343 71 |

**BELLSOUTH/Z-TEL RATES**
**NETWORK ELEMENTS**
**AND OTHER SERVICES**

| DESCRIPTION | USOC | AL | FL | GA | KY | LA | MS | NC | SC | TN |
|---|---|---|---|---|---|---|---|---|---|---|
| NRC - Add'l | TMECS | $475.02 | $230 49 | $312 89 | $464 94 | $342 92 | $501 32 | $462 69 | $462 81 | $277 86 |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAC | $91 22 | NA | $44 22 | $87.71 | $61 82 | $81 30 | $42 17 | $87 99 | $23 51 |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAC | NA | NA | NA | NA | NA | NA | $12 76 | $3 11 | $21 75 |
| **Local Channel - Dedicated Transport – DS3** | | | | | | | | | | |
| DS3 - per mile per month | 1L5NC | $34.21 | $30.65 | $23 06 | $34 00 | $30 34 | NA | NA | $44 13 | $23 76 |
| DS3 - Facility Termination per month | ULDF3 | $536 23 | $598.84 | $531.90 | $635 09 | $669 01 | NA | $498 87 | $582 93 | $607 28 |
| NRC - 1st | ULDF3 | $877 36 | $884.71 | $878.95 | $858 75 | $883 62 | $858 15 | $562 25 | $856 96 | $877 70 |
| NRC - Add'l | ULDF3 | $540 46 | $552 81 | $542.61 | $524.95 | $545 50 | $524 58 | $527 88 | $522 20 | $540 32 |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAC | $101 69 | NA | $98.49 | NA | $99.02 | NA | $56 25 | NA | $102 75 |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAC | $101.69 | NA | $98 49 | NA | $99 02 | NA | $56 25 | NA | $102 75 |
| **Local Channel - Dedicated Transport – STS-1** | | | | | | | | | | |
| STS-1 - per mile per month | 1L5NC | $24.82 | $27.61 | $19 93 | $30.04 | $29 89 | $38.98 | $24 39 | $29 97 | $25 11 |
| STS-1 - Facility Termination per month | ULDFS | $502 62 | $681.61 | $516 91 | $610 64 | $693 02 | $531.39 | $555 92 | $556 66 | $615 65 |
| NRC - 1st | ULDFS | $1,084.17 | $1,097.06 | $1,082 37 | $1,085 09 | $1,088.15 | $1,084 33 | $1,083 24 | $1,088 19 | $1,085 73 |
| NRC - Add'l | ULDFS | $682.02 | $690.14 | $680.91 | $682 61 | $684 53 | $682 13 | $681'44 | $684 56 | $683 01 |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAC | $96 08 | $97.23 | $95.93 | $96 17 | $96 44 | $96.10 | $96 00 | $96 44 | $96 22 |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAC | $96.08 | $97.23 | $95 93 | $96 17 | $96.44 | $96 10 | $96 00 | $96 44 | $96 22 |
| **CHANNELIZATION** | | | | | | | | | | |
| DS3 Channelization (DS3 to DS1) | | | | | | | | | | |
| per Channelized System per month | MQ3 | $210 87 | $213.22 | $173 51 | $236 32 | $245 84 | $229 30 | $226 81 | $204 07 | $225 59 |
| NRC - 1st | MQ3 | $355.25 | $280 12 | $284 43 | $425 41 | $259 76 | $356 80 | $351 95 | $423 77 | $265 08 |
| NRC - Add'l | MQ3 | $245.86 | $196.07 | $199 98 | $303 33 | $182 64 | $247 40 | $243 76 | $295 21 | $185 94 |
| NRC -1sr - Disconnect | MQ3 | $78.43 | $64.06 | $66 76 | NA | $60 96 | $79 94 | $77 90 | NA | $61 09 |
| NRC -Add'l - Disconnect | MQ3 | $63.70 | $52 60 | $55 25 | NA | $50 46 | $65 20 | $63 32 | NA | $50 31 |
| NRC - Channel System - Incremental Cost - Manual Svc. Order -1st | SOMAC | $28 44 | NA | $21 61 | $41 47 | $19.74 | $26 95 | $28 13 | $43 41 | $21 71 |
| NRC - Channel System - Incremental Cost - Manual Svc. Order - Add'l | SOMAC | $13.47 | NA | $9 61 | NA | $8 77 | $11 98 | $13 33 | $15 36 | $10 46 |
| NRC - Channel System - Incremenatl Cost - Manual Svc. Order - Disconnect - 1st | SOMAC | $18.46 | NA | $13 61 | NA | $12 43 | $16 97 | $18 26 | NA | $14 21 |
| NRC - Channel System - Incremenatl Cost - Manual Svc. Order - Disconnect - Add | SOMAC | $1.50 | NA | NA | NA | NA | NA | $1 48 | NA | $1 46 |
| per Interface per month | 1PQE1 | $4.53 | $6.31 | $7 13 | $8 52 | $7 55 | $5 58 | $4 61 | $9 69 | $3 91 |
| NRC - 1st | 1PQE1 | $15 85 | $13.39 | $13.45 | $15.86 | $12 29 | $15 85 | $15 76 | $15 54 | $12 61 |
| NRC - Add'l | 1PQE1 | $11.35 | $9 59 | $9 63 | $11.36 | $8 80 | $11 35 | $11 28 | $11 13 | $9 03 |
| DS1 Channelization (DS1 to DS0) | | | | | | | | | | |
| per Channelized System per month | MQ1 | $139.58 | $163.88 | $137 97 | $200 01 | $209 87 | $146 87 | $177.72 | $179 81 | $165 21 |
| NRC - 1st | MQ1 | $269 98 | $208.64 | $212 01 | $302 82 | $193 63 | $271.52 | $267 19 | $304 00 | $197 21 |
| NRC - Add'l | MQ1 | $163.04 | $126.61 | $129 60 | $184.20 | $118 37 | $164 56 | $161 43 | $178 92 | $119 99 |
| NRC - [illegible] | MQ1 | $34.88 | $26 42 | $28 95 | NA | $26 44 | $36 38 | $34 55 | NA | $25 66 |
| NRC - Add'l [illegible] | MQ1 | $21.32 | $15 95 | $18 43 | NA | $16 83 | $22 82 | $21.14 | NA | $15 81 |
| NRC - [illegible] Incremental Cost - Manual Svc Order -1st | SOMAC | $28.44 | NA | $21 61 | $41.47 | $19 74 | $26 95 | $28 13 | $43 41 | $21 71 |
| NRC - [illegible] Incremental Cost - Manual Svc Order -Add'l | SOMAC | $13 47 | NA | $9.61 | $11 99 | $8 77 | $11 98 | $13 33 | $15 36 | $10 46 |
| NRC - [illegible] Incremental Cost - Manual Svc Order - Disconnect -1st | SOMAC | $18 46 | NA | $13 61 | NA | $12 43 | $16 97 | $18 26 | NA | $14 21 |
| NRC - [illegible] Incremental Cost - Manual Svc Order - Disconnect -Add | SOMAC | $1.50 | NA | NA | NA | NA | NA | $1 48 | NA | $1.46 |
| DS1 Channelized interfaces | | | | | | | | | | |
| per OCU DP (data) card per month(2 4-64kbps) | 1D1DD | $2 61 | $3 13 | $2 65 | $2 94 | $3 12 | $2 86 | $2 88 | $3 36 | $2 46 |
| NRC - 1st | 1D1DD | $15.85 | $13.39 | $13 45 | $15 86 | $12 29 | $15 85 | $15 76 | $15 54 | $12 61 |
| NRC - Add'l | 1D1DD | $11 35 | $9 59 | $9 63 | $11 36 | $8 80 | $11 35 | $11 28 | $11 13 | $9 03 |
| per VG card per month | 1D1VG | $1.26 | $1.78 | $1 48 | $1 40 | $1 62 | $1 45 | $1 64 | $1 93 | $1 25 |
| NRC - 1st | 1D1VG | $15.85 | $13 39 | $13 45 | $15 86 | $12 29 | $15 85 | $15 76 | $15 54 | $12 61 |
| NRC - Add'l | 1D1VG | $11.35 | $9.59 | $9.63 | $11 36 | $8 80 | $11 35 | $11 28 | $11.13 | $9 03 |
| | | | | | | | | | | |
| **DARK FIBER** | | | | | | | | | | |
| **Per four fiber strands, per route mile or fraction thereof, per month** | 1L5DF | $59 84 | $55 35 | $44.22 | $64 64 | $65 29 | $70 35 | $49 88 | $72 45 | $52 67 |
| NRC - Per each four-fiber dark fiber arrangement - 1st | 1L5DF | $2,518 66 | $1,715.61 | $1,355.29 | $2,304 00 | $1,685 19 | $2,389 99 | $2,277 00 | $2,406 00 | $1,672 44 |
| NRC - Per each four-fiber dark fiber arrangement - Add'l | 1L5DF | $835.08 | $622.68 | $273 69 | $740.93 | $580 11 | $804 32 | $733 08 | $765 30 | $509 09 |

| DESCRIPTION | USOC | AL | FL | GA | KY | LA | MS | NC | SC | TN |
|---|---|---|---|---|---|---|---|---|---|---|
| **UNBUNDLED LOOP COMBINATIONS** | | | | | | | | | | |
| | | | | | | | | | | |
| **Unbundled Loop/Port Combinations (Note 4)** | | | | | | | | | | |
| **MARKET RATES - (INCLUDING ALL VERTICAL FEATURES) (Note 1)** | | | | | | | | | | |
| [redacted] | | | Orlando, Ft. Lauderdale, Miami | Atlanta | | New Orleans | | Greensboro-Winston Salem-Highpoint/ Charlotte-Gastonia-Rock Hill | | Nashville |
| Customers with 4 or more DS0 Equivalent | | | | | | | | | | |
| Currently Combined (Note2) | | | | | | | | | | |
| **2-Wire Voice Grade Loop with 2-Wire Line Port (Res. and Bus.)** | | | | | | | | | | |
| **2-Wire Voice Grade Line Port (Res.), per month** | | | | | | | | | | |
| 2- wire voice unbundled port - residence | UEPRL | NA | $14 00 | $14 00 | NA | $14 00 | NA | $14 00 | NA | $14 00 |
| 2-wire voice unbundled port with caller ID - residence | UEPRC | NA | $14 00 | $14 00 | NA | $14 00 | NA | $14 00 | NA | $14 00 |
| 2-wire voice unbundled port outgoing only - residence | UEPRO | NA | $14 00 | $14 00 | NA | $14 00 | NA | $14 00 | NA | $14 00 |
| 2-wire voice grade unbundled Alabama extended local dialing parity port with caller ID | UEPAR | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-wire voice grade unbundled Kentucky extended local dialing parity port with caller ID | UEPRM | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-wire voice grade unbundled Louisiana extended local dialing parity port with caller ID | UEPAS | NA | NA | NA | NA | $14 00 | NA | NA | NA | NA |
| 2-wire voice grade unbundled Mississippi extended local dialing parity port with caller ID | UEPAT | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-wire voice grade unbundled South Carolina extended local dialing parity port with caller ID | UEPAU | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-wire voice grade unbundled Tennessee extended local dialing parity port with caller ID | UEPAQ | NA | NA | NA | NA | NA | NA | NA | NA | $14 00 |
| 2-wire voice unbundled Florida area calling with caller ID - residence | UEPAF | NA | $14 00 | NA | NA | NA | NA | NA | NA | NA |
| 2-wire voice unbundled Louisiana Area Plus with caller ID - residence (RUL) | UEPAG | NA | NA | NA | NA | $14 00 | NA | NA | NA | NA |
| 2-wire voice unbundled Louisiana Area Plus with caller ID - residence (AC7) | UEPAH | NA | NA | NA | NA | $14 00 | NA | NA | NA | NA |
| 2-wire voice unbundled South Carolina Area Calling port with Caller ID - residence (LW8) | UEPAJ | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-wire voice unbundled Tennessee Area Calling port with Caller ID - residence (F2R) | UEPAK | NA | NA | NA | NA | NA | NA | NA | NA | $14 00 |
| 2-wire voice unbundled Tennessee Area Calling port with Caller ID - residence (TACER) | UEPAL | NA | NA | NA | NA | NA | NA | NA | NA | $14 00 |
| 2-wire voice unbundled Tennessee Area Calling port with Caller ID - residence (TACSR) | UEPAM | NA | NA | NA | NA | NA | NA | NA | NA | $14 00 |
| 2-wire voice unbundled Tennessee Area Calling port with Caller ID - residence (1MF2X) | UEPAN | NA | NA | NA | NA | NA | NA | NA | NA | $14 00 |
| 2-wire voice unbundled Tennessee Area Calling port with Caller ID - residence (2MR) | UEPAO | NA | NA | NA | NA | NA | NA | NA | NA | $14 00 |
| 2-wire voice unbundled res, low usage line port with Caller ID (LUM) | UEPAP | NA | $14 00 | $14 00 | NA | $14 00 | NA | $14 00 | NA | $14 00 |
| **2-Wire Voice Grade Line Port (Bus.), per month** | | | | | | | | | | |
| 2-wire voice unbundled port without Caller ID | UEPBL | NA | $14 00 | $14 00 | NA | $14 00 | NA | $14 00 | NA | $14 00 |
| 2-wire voice unbundled port with unbundled port with Caller+E484 ID | UEPBC | NA | $14 00 | $14 00 | NA | $14 00 | NA | $14 00 | NA | $14 00 |
| 2-wire voice unbundled outgoing only port | UEPBO | NA | $14 00 | $14 00 | NA | $14 00 | NA | $14 00 | NA | $14 00 |
| 2-wire voice grade unbundled Alabama extended local dialing parity port with caller ID | UEPAW | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-wire voice grade unbundled Kentucky extended local dialing parity port with caller ID | UEPBM | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-wire voice grade unbundled Louisiana extended local dialing parity port with caller ID | UEPAX | NA | NA | NA | NA | $14 00 | NA | NA | NA | NA |
| 2-wire voice grade unbundled Mississippi extended local dialing parity port with caller ID | UEPAY | NA | NA | NA | NA | NA | NA | NA | NA | NA |

| DESCRIPTION | USOC | AL | FL | GA | KY | LA | MS | NC | SC | TN |
|---|---|---|---|---|---|---|---|---|---|---|
| 2-wire voice grade unbundled South Carolina extended local dialing parity port with caller ID | UEPAZ | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-wire voice grade unbundled Tennessee extended local dialing parity port with caller ID | UEPAV | NA | NA | NA | NA | NA | NA | NA | NA | $14 00 |
| 2-wire voice unbundled incoming only port with Caller ID | UEPB1 | NA | $14 00 | $14 00 | NA | $14 00 | NA | $14 00 | NA | $14 00 |
| 2-wire voice unbundled LA Bus Area Calling Port with Caller ID (BUC) | UEPAA | NA | NA | NA | NA | $14 00 | NA | NA | NA | NA |
| 2-wire voice unbundled SC Bus Area Calling Port with Caller ID (LMB) | UEPAB | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-wire voice unbundled TN Bus 2-Way Area Calling Port Economy Option (TACC1) | UEPAC | NA | NA | NA | NA | NA | NA | NA | NA | $14 00 |
| 2-wire voice unbundled TN Bus 2-Way Area Calling Port Standard Option (TACC2) | UEPAD | NA | NA | NA | NA | NA | NA | NA | NA | $14 00 |
| 2-wire voice unbundled TN Bus 2-WAY Collierville and Memphis Local Calling Port (B2F) | UEPAE | NA | NA | NA | NA | NA | NA | NA | NA | $14 00 |
| **2-Wire Voice Grade Loop (SL1) (Res. and Bus.)** | | | | | | | | | | |
| RC - 2-Wire Voice Grade Loop - Statewide | UEPLX | NA | NA | NA | NA | NA | NA | $14 18 | NA | NA |
| RC - 2-Wire Voice Grade Loop Zone 1 | UEPLX | NA | $14 90 | $10 80 | NA | $14 05 | NA | NA | NA | $15 92 |
| RC - 2-Wire Voice Grade Loop Zone 2 | UEPLX | NA | $18 51 | $12 47 | NA | $24 14 | NA | NA | NA | $20 79 |
| RC - 2-Wire Voice Grade Loop Zone 3 | UEPLX | NA | $24 25 | $19 83 | NA | $49 30 | NA | NA | NA | $27 18 |
| **Combination Rates** | | | | | | | | | | |
| RC - 2-Wire Voice Grade Loop with 2-Wire Line Port, Statewide | Note 8 | NA | NA | NA | NA | NA | NA | $28 18 | NA | NA |
| RC - 2-Wire Voice Grade Loop with 2-Wire Line Port, Zone 1 (Note 6) | Note 8 | NA | $28 90 | $24 80 | NA | $28 05 | NA | NA | NA | $29 92 |
| RC - 2-Wire Voice Grade Loop with 2-Wire Line Port, Zone 2 (Note 6) | Note 8 | NA | $32 51 | $26 47 | NA | $38 14 | NA | NA | NA | $34 79 |
| RC - 2-Wire Voice Grade Loop with 2-Wire Line Port, Zone 3 (Note 6) | Note 8 | NA | $38 25 | $33 83 | NA | $63 30 | NA | NA | NA | $41 18 |
| **Nonrecurring Charges** | | | | | | | | | | |
| **2-Wire Voice Grade Line Port (Res. And Bus.)** | | | | | | | | | | |
| NRC - 2- wire voice grade unbundled port/loop combination - 1st, with change | | NA | $41 50 | $41 50 | NA | $41 50 | NA | $41 50 | NA | $41 50 |
| NRC - 2- wire voice grade unbundled port/loop combination - Add'l, with change | | NA | $41 50 | $41 50 | NA | $41 50 | NA | $41 50 | NA | $41 50 |
| NRC - 2- wire voice grade unbundled port/loop combination - 1st, no change | | NA | $41 50 | $41 50 | NA | $41 50 | NA | $41 50 | NA | $41 50 |
| NRC - 2- wire voice grade unbundled port/loop combination - Add'l, no change | | NA | $41 50 | $41 50 | NA | $41 50 | NA | $41 50 | NA | $41 50 |
| | | | | | | | | | | |
| NRC - 2-Wire Voice Grade Loop/Line Port Combination - Subsequent | | NA | $10 00 | $10 00 | NA | $10 00 | NA | $10 00 | NA | $10 00 |
| NRC - 2-Wire Voice Grade Loop/Line Port Combination - OSS LSR Charge, Electronic, per LSR received from the CLEC by one of the OSS interactive interfaces | SOMEC | NA | $2 75 | $3 50 | NA | $3 50 | NA | $3 50 | NA | $3 50 |
| NRC - 2-Wire Voice Grade Loop/Line Port Combination - Incremental Cost - Manual Svc Order vs Electronic - 1st | SOMAN | NA | $21 56 | $33 76 | NA | $31 92 | NA | $40 18 | NA | $30 89 |
| NRC - 2 Wire Voice Grade Loop/Line Port Combination - Incremental Cost - Manual Svc Order vs Electronic - Add'l | SOMAN | NA | $21.56 | $7 86 | NA | $7 32 | NA | $9 45 | NA | $7 03 |
| NRC- 2 Wire Voice Grade Loop/Line Port Combination - Subsequent Database Update Electronic | | NA | TBD | TBD | NA | $2 11 | NA | $1 42 | NA | TBD |
| NRC 2 Wire Voice Grade Loop/Line Port Combination - Subsequent Database Update Manual Service Order | | NA | TBD | TBD | NA | $5 12 | NA | $10 27 | NA | TBD |
| NRC - Electronic Service Order Disconnect | | NA | $0 42 | NA | NA | NA | NA | NA | NA | NA |
| NRC - Incremental Manual Service Order Disconnect | | NA | $3 84 | $20 00 | NA | $20 00 | NA | $20 00 | NA | $20 00 |
| | | | | | | | | | | |
| **2-Wire Voice Grade Loop with 2-Wire Line Port PBX** | | | | | | | | | | |
| **2-Wire Analog Line Port (PBX), per month** | | | | | | | | | | |
| 2 WIRE VOICE UNBUNDLED COMBINATION 2-WAY PBX TRUNK - Residence | UEPRD | NA | $14 00 | $14 00 | NA | $14 00 | NA | $14 00 | NA | $14 00 |
| LINE SIDE UNBUNDLED COMBINATION 2-WAY PBX TRUNK - BUSINESS | UEPPC | NA | $14 00 | $14 00 | NA | $14 00 | NA | $14 00 | NA | $14 00 |
| LINE SIDE UNBUNDLED OUTWARD PBX TRUNK - BUSINESS | UEPPO | NA | $14 00 | $14 00 | NA | $14 00 | NA | $14 00 | NA | $14 00 |
| LINE SIDE UNBUNDLED INCOMING PBX TRUNK - BUSINESS | UEPP1 | NA | $14 00 | $14 00 | NA | $14 00 | NA | $14 00 | NA | $14 00 |
| 2-WIRE VOICE UNBUNDLED 2-WAY COMBINATION PBX ALABAMA CALLING PORT | UEPA2 | NA | NA | NA | NA | NA | NA | NA | NA | NA |

BELLSOUTH/Z-TEL RATES
NETWORK ELEMENTS
AND OTHER SERVICES
LOOP/PORT COMBINATIONS



| DESCRIPTION | USOC | AL | FL | GA | KY | LA | MS | NC | SC | TN |
|---|---|---|---|---|---|---|---|---|---|---|
| 2-WIRE VOICE UNBUNDLED 2-WAY COMBINATION PBX LOUISIANA CALLING PORT | UEPL2 | NA | NA | NA | NA | $14 00 | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED PBX LD TERMINAL PORTS | UEPLD | NA | $14 00 | $14 00 | NA | $14 00 | NA | $14 00 | NA | $14 00 |
| 2-WIRE VOICE UNBUNDLED 2-WAY COMBINATION PBX TENNESSEE CALLING PORT | UEPT2 | NA | NA | NA | NA | NA | NA | NA | NA | $14 00 |
| 2-WIRE VOICE UNBUNDLED 1-WAY OUTGOING PBX TENNESSEE CALLING PORT | UEPTO | NA | NA | NA | NA | NA | NA | NA | NA | $14 00 |
| 2-WIRE VOICE UNBUNDLED 2-WAY COMBINATION PBX USAGE PORT | UEPXA | NA | $14 00 | $14.00 | NA | $14 00 | NA | $14 00 | NA | $14 00 |
| 2-WIRE VOICE UNBUNDLED PBX TOLL TERMINAL HOTEL PORTS | UEPXB | NA | $14 00 | $14 00 | NA | $14 00 | NA | $14 00 | NA | $14 00 |
| 2-WIRE VOICE UNBUNDLED PBX LD DDD TERMINALS PORT | UEPXC | NA | $14 00 | $14 00 | NA | $14 00 | NA | $14 00 | NA | $14 00 |
| 2-WIRE VOICE UNBUNDLED PBX LD TERMINAL SWITCHBOARD PORT | UEPXD | NA | $14 00 | $14 00 | NA | $14 00 | NA | $14 00 | NA | $14 00 |
| 2-WIRE VOICE UNBUNDLED PBX LD TERMINAL SWITCHBOARD IDD CAPABLE PORT | UEPXE | NA | $14 00 | $14 00 | NA | $14 00 | NA | $14 00 | NA | $14 00 |
| 2-WIRE VOICE UNBUNDLED 2-WAY PBX KENTUCKY ROOM AREA CALLING PORT WITHOUT LUD | UEPXF | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED PBX KENTUCKY LUD AREA CALLING PORT | UEPXG | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED PBX KENTUCKY PREMIUM CALLING PORT | UEPXH | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY KENTUCKY AREA CALLING PORT WITHOUT LUD | UEPXJ | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY PBX LOUISIANA LOCAL OPTIONAL CALLING PORT | UEPXK | NA | NA | NA | NA | $14 00 | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY PBX HOTEL/HOSPITAL ECONOMY ADMINISTRATIVE CALLING PORT | UEPXL | NA | $14 00 | $14 00 | NA | $14 00 | NA | $14 00 | NA | $14 00 |
| 2-WIRE VOICE UNBUNDLED 2-WAY PBX HOTEL/HOSPITAL ECONOMY ROOM CALLING PORT | UEPXM | NA | $14 00 | $14 00 | NA | $14 00 | NA | $14 00 | NA | $14 00 |
| 2-WIRE VOICE UNBUNDLED 1-WAY OUTGOING PBX HOTEL/HOSPITAL ECONOMY ADMINIATRATIVE CALLING PORTTENNESSEE CALLING PORT | UEPXN | NA | NA | NA | NA | NA | NA | NA | NA | $14 00 |
| 2-WIRE VOICE UNBUNDLED 1-WAY OUTGOING PBX HOTEL/HOSPITAL DIACOUNT ROOM CALLING PORT | UEPXO | NA | $14 00 | $14 00 | NA | $14 00 | NA | $14 00 | NA | $14 00 |
| 2-WIRE VOICE UNBUNDLED 1-WAY OUTGOING PBX LOUISIANA LOCAL DISCOUNT CALLING PORT | UEPXP | NA | NA | NA | NA | $14 00 | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY PBX MISSISSIPPI LOCAL ECONOMY CALLING PORT | UEPXQ | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY PBX MISSISSIPPI LOCAL OPTIONAL CALLING PORT | UEPXR | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 1-WAY OUTGOING PBXMEASURED PORT | UEPXS | NA | $14 00 | $14 00 | NA | $14 00 | NA | $14 00 | NA | $14 00 |
| 2-WIRE VOICE UNBUNDLED 2-WAY PBX SOUTH CAROLINA AREA PLUS CALLING PORT | UEPXT | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| [illegible] NASHVILLE & MEMPHIS CALLING PORT | UEPXU | NA | NA | NA | NA | NA | NA | NA | NA | $14 00 |
| [illegible] 2-WAY PBX TENNESSEE REGIONSERV CALLING PORT | UEPXV | NA | NA | NA | NA | NA | NA | NA | NA | $14 00 |
| [illegible] PORTABILITY (REQUIRES ONE PER PORT) | LNPCP | | | | | | | | | |
| **2-Wire Voice Grade Loop (SL1)** | | | | | | | | | | |
| RC - 2- Wire Voice Grade Loop - Statewide | UEPLX | NA | NA | NA | NA | NA | NA | $14 18 | NA | NA |
| RC - 2- Wire Voice Grade Loop - Zone 1 | UEPLX | NA | $14 90 | $10 80 | NA | $14 05 | NA | NA | NA | $15 92 |
| RC - 2- Wire Voice Grade Loop - Zone 2 | UEPLX | NA | $18 51 | $12 47 | NA | $24 14 | NA | NA | NA | $20 79 |
| RC - 2- Wire Voice Grade Loop - Zone 3 | UEPLX | NA | $24 25 | $19 83 | NA | $49 30 | NA | NA | NA | $27 18 |
| RC - 2- Wire Voice Grade Loop - Zone 4 | UEPLX | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **Combination Rates** | | | | | | | | | | |
| RC - 2-Wire Voice Grade Loop with 2-Wire Line Port, Statewide | Note 8 | NA | NA | NA | NA | NA | NA | $28 18 | NA | NA |
| RC - 2-Wire Voice Grade Loop with 2-Wire Line Port, Zone 1 (Note 6) | Note 8 | NA | $28 90 | $24 80 | NA | $28 05 | NA | NA | NA | $29 92 |
| RC - 2-Wire Voice Grade Loop with 2-Wire Line Port, Zone 2 (Note 6) | Note 8 | NA | $32 51 | $26 47 | NA | $38 14 | NA | NA | NA | $34 79 |
| RC - 2-Wire Voice Grade Loop with 2-Wire Line Port, Zone 3 (Note 6) | Note 8 | NA | $38 25 | $33 83 | NA | $63 30 | NA | NA | NA | $41 18 |
| **Nonrecurring Charges** | | | | | | | | | | |
| NRC - 2- wire voice grade unbundled port/loop combination - 1st, with change | | NA | $41 50 | $41 50 | NA | $41 50 | NA | $41 50 | NA | $41 50 |

| DESCRIPTION | USOC | AL | FL | GA | KY | LA | MS | NC | SC | TN |
|---|---|---|---|---|---|---|---|---|---|---|
| NRC - 2- wire voice grade unbundled port/loop combination - Add'l, with change | | NA | $41 50 | $41 50 | NA | $41 50 | NA | $41 50 | NA | $41 50 |
| NRC - 2- wire voice grade unbundled port/loop combination - 1st, no change | | NA | $41 50 | $41 50 | NA | $41 50 | NA | $41 50 | NA | $41 50 |
| NRC - 2- wire voice grade unbundled port/loop combination - Add'l, no change | | NA | $41 50 | $41 50 | NA | $41 50 | NA | $41 50 | NA | $41 50 |
| | | | | | | | | | | |
| NRC - 2-Wire Voice Grade Loop/Line Port Combination - Subsequent | | NA | $10 00 | $10 00 | $10 00 | $10 00 | NA | $10 00 | NA | $10 00 |
| NRC - 2-Wire Voice Grade Loop/Line Port Combination - OSS LSR Charge, Electronic, per LSR received from the CLEC by one of the OSS interactive interfaces (Note 7) | SOMEC | NA | $2 75 | $3 50 | NA | $3 50 | NA | $3 50 | NA | $3 50 |
| NRC - 2-Wire Voice Grade Loop/Line Port Combination - Incremental Cost - Manual Svc Order vs Electronic - 1st | SOMAN | NA | $21 56 | $33 67 | NA | $31 92 | NA | $40 18 | NA | $30 89 |
| NRC - 2-Wire Voice Grade Loop/Line Port Combination - Incremental Cost - Manual Svc Order vs Electronic - Add'l | SOMAN | NA | $21 56 | $7 88 | NA | $7 32 | NA | $9 45 | NA | $7 03 |
| NRC- 2 Wire Voice Grade Loop/Line Port Combination - Subsequent Database Update Electronic | | NA | TBD | TBD | NA | $2 11 | NA | $1 42 | NA | TBD |
| NRC- 2 Wire Voice Grade Loop/Line Port Combination - Subsequent Database Update Manual Service Order | | NA | TBD | TBD | NA | $5 12 | NA | $10 27 | NA | TBD |
| NRC - Electronic Service Order Disconnect | | NA | $0 42 | NA | NA | NA | NA | NA | NA | NA |
| NRC - Incremental Manual Service Order Disconnect | | NA | $3 84 | $20 00 | NA | $20 00 | NA | $20 00 | NA | $20 00 |
| | | | | | | | | | | |
| **COST BASED RATES (Note 2, 3)** | | | | | | | | | | |
| **Currently Combined** | | | | | | | | | | |
| **2-Wire Voice Grade Loop with 2-Wire Line Port** | | | | | | | | | | |
| 2-Wire Voice Grade Line Port (Res.), per month | | | | | | | | | | |
| 2- wire voice unbundled port - residence | UEPRL | $2 20 | $1 35 | $1 79 | $2 61 | $2 55 | $2 12 | $2 28 | $3 69 | $4 54 |
| 2-wire voice unbundled port with caller ID - residence | UEPRC | $2.20 | $1 35 | $1 79 | $2 61 | $2 55 | $2 12 | $2 28 | $3 69 | $4 54 |
| 2-wire voice unbundled port outgoing only - residence | UEPRO | $2 20 | $1 35 | $1 79 | $2 61 | $2 55 | $2 12 | $2 28 | $3 69 | $4 54 |
| 2-wire voice grade unbundled Alabama extended local dialing parity port with caller ID | UEPAR | $2 20 | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-wire voice grade unbundled Kentucky extended local dialing parity port with caller ID | UEPRM | NA | NA | NA | $2 61 | NA | NA | NA | NA | NA |
| 2 wire voice grade unbundled Louisiana extended local dialing parity port with caller ID | UEPAS | NA | NA | NA | NA | $2 55 | NA | NA | NA | NA |
| 2-wire voice grade unbundled Mississippi extended local dialing parity port with caller ID | UEPAT | NA | NA | NA | NA | NA | $2 12 | NA | NA | NA |
| 2-wire voice grade unbundled South Carolina extended local dialing parity port with caller ID | UEPAU | NA | NA | NA | NA | NA | NA | NA | $3 69 | NA |
| 2 wire voice grade unbundled Tennessee extended local dialing parity port with caller ID | UEPAQ | NA | NA | NA | NA | NA | NA | NA | NA | $4 54 |
| 2 wire voice unbundled Florida area calling with caller ID - residence | UEPAF | NA | $1 35 | NA | NA | NA | NA | NA | NA | NA |
| 2-wire voice unbundled Louisiana Area Plus with caller ID - residence (RUL) | UEPAG | NA | NA | NA | NA | $2 55 | NA | NA | NA | NA |
| 2-wire voice unbundled Louisiana Area Plus with caller ID - residence (AC7) | UEPAH | NA | NA | NA | NA | $2 55 | NA | NA | NA | NA |
| 2-wire voice unbundled South Carolina Area Calling port with Caller ID - residence (LW8) | UEPAJ | NA | NA | NA | NA | NA | NA | NA | $3 69 | NA |
| 2-wire voice unbundled Tennessee Area Calling port with Caller ID - residence (F2R) | UEPAK | NA | NA | NA | NA | NA | NA | NA | NA | $4 54 |
| 2-wire voice unbundled Tennessee Area Calling port with Caller ID - residence (TACER) | UEPAL | NA | NA | NA | NA | NA | NA | NA | NA | $1 54 |
| 2-wire voice unbundled Tennessee Area Calling port with Caller ID - residence (TACSR) | UEPAM | NA | NA | NA | NA | NA | NA | NA | NA | $4 54 |
| 2-wire voice unbundled Tennessee Area Calling port with Caller ID - residence (1MF2X) | UEPAN | NA | NA | NA | NA | NA | NA | NA | NA | $1 54 |
| 2-wire voice unbundled Tennessee Area Calling port with Caller ID - residence (2MR) | UEPAO | NA | NA | NA | NA | NA | NA | NA | NA | $1 54 |

BELLSOUTH/Z-TEL RATES
NETWORK ELEMENTS
AND OTHER SERVICES
LOOP/PORT COMBINATIONS



| DESCRIPTION | USOC | AL | FL | GA | KY | LA | MS | NC | SC | TN |
|---|---|---|---|---|---|---|---|---|---|---|
| 2-wire voice unbundled res, low usage line port with Caller ID (LUM) | UEPAP | $2 20 | $1 35 | $1 79 | $2 61 | $2 55 | $2 12 | $2 28 | $3 69 | $4 54 |
| **2-Wire Voice Grade Line Port (Bus.), per month** | | | | | | | | | | |
| 2-wire voice unbundled port without Caller ID | UEPBL | $2 20 | $1 35 | $1 79 | $2 61 | $2 55 | $2 12 | $2 28 | $3 69 | $4 54 |
| 2-wire voice unbundled port with unbundled port with Caller+E484 ID | UEPBC | $2.20 | $1 35 | $1 79 | $2 61 | $2 55 | $2 12 | $2 28 | $3 69 | $4 54 |
| 2-wire voice unbundled outgoing only port | UEPBO | $2 20 | $1.35 | $1 79 | $2 61 | $2 55 | $2 12 | $2 28 | $3 69 | $4 54 |
| 2-wire voice grade unbundled Alabama extended local dialing parity port with caller ID | UEPAW | $2 20 | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-wire voice grade unbundled Kentucky extended local dialing parity port with caller ID | UEPBM | NA | NA | NA | $2 61 | NA | NA | NA | NA | NA |
| 2-wire voice grade unbundled Louisiana extended local dialing parity port with caller ID | UEPAX | NA | NA | NA | NA | $2 55 | NA | NA | NA | NA |
| 2-wire voice grade unbundled Mississippi extended local dialing parity port with caller ID | UEPAY | NA | NA | NA | NA | NA | $2 12 | NA | NA | NA |
| 2-wire voice grade unbundled South Carolina extended local dialing parity port with caller ID | UEPAZ | NA | NA | NA | NA | NA | NA | NA | $3 69 | NA |
| 2-wire voice grade unbundled Tennessee extended local dialing parity port with caller ID | UEPAV | NA | NA | NA | NA | NA | NA | NA | NA | $4 54 |
| 2-wire voice unbundled incoming only port with Caller ID | UEPB1 | $2 20 | $1 35 | $1 79 | $2 61 | $2 55 | $2 12 | $2 28 | $3 69 | $4 54 |
| 2-wire voice unbundled LA Bus Area Calling Port with Caller ID (BUC) | UEPAA | NA | NA | NA | NA | $2 55 | NA | NA | NA | NA |
| 2-wire voice unbundled SC Bus Area Calling Port with Caller ID (LMB) | UEPAB | NA | NA | NA | NA | NA | NA | NA | $3 69 | NA |
| 2-wire voice unbundled TN Bus 2-Way Area Calling Port Economy Option (TACC1) | UEPAC | NA | NA | NA | NA | NA | NA | NA | NA | $4 54 |
| 2-wire voice unbundled TN Bus 2-Way Area Calling Port Standard Option (TACC2) | UEPAD | NA | NA | NA | NA | NA | NA | NA | NA | $4 54 |
| 2-wire voice unbundled TN Bus 2-WAY Collierville and Memphis Local Calling Port (B2F) | UEPAE | NA | NA | NA | NA | NA | NA | NA | NA | $4 54 |
| **2-Wire Voice Grade Loop (SL1)** | | | | | | | | | | |
| RC - 2- Wire Voice Grade Loop - Statewide | UEPLX | NA | NA | NA | NA | NA | NA | $14 18 | NA | NA |
| RC - 2- Wire Voice Grade Loop - Zone 1 | UEPLX | $14 35 | $14 90 | $10 80 | $14 79 | $14 05 | $14 59 | NA | $17 02 | $12 48 |
| RC - 2- Wire Voice Grade Loop - Zone 2 | UEPLX | $23 31 | $18 51 | $12 47 | $27 68 | $24 14 | $19 33 | NA | $25 66 | $14 42 |
| RC - 2- Wire Voice Grade Loop - Zone 3 | UEPLX | $42 24 | $24 25 | $19 83 | $47 78 | $49 30 | $27 63 | NA | $33 99 | $21 77 |
| RC - 2- Wire Voice Grade Loop - Zone 4 | UEPLX | NA | NA | NA | NA | NA | $36 47 | NA | NA | NA |
| **Combination Rates** | | | | | | | | | | |
| RC 2 Wire Voice Grade Loop with 2-Wire Line Port, Statewide | Note 8 | NA | NA | NA | NA | NA | NA | $16 46 | NA | NA |
| RC 2 Wire Voice Grade Loop with 2 Wire Line Port, Zone 1 (Note 6) | Note 8 | $16 55 | $16 25 | $12 59 | $17 40 | $16 60 | $16 71 | NA | $20 71 | $17 02 |
| RC 2 Wire Voice Grade Loop with 2 Wire Line Port, Zone 2 (Note 6) | Note 8 | $25 51 | $19.86 | $14 26 | $30 29 | $26 69 | $21 45 | NA | $29 35 | $18 96 |
| RC 2 Wire Voice Grade Loop with 2 Wire Line Port Zone 3 (Note 6) | Note 8 | $44 44 | $25 60 | $21 62 | $50 39 | $51 85 | $29 75 | NA | $37 68 | $26 31 |
| RC 2 Wire Voice Grade Loop with 2 Wire Line Port Zone 4 (Note 6) | Note 8 | NA | NA | NA | NA | NA | $38 59 | NA | NA | NA |
| **Nonrecurring Charges** | | | | | | | | | | |
| NRC 2 Wire Voice Grade Loop/Line Port Combination 1st Switch as is | USAC2 | $2 80 | $0 1964 | $2 01 | $10 00 | $3 80 | $5 20 | $2 77 | $1 59 | $1 03 |
| NRC 2 Wire Voice Grade Loop/Line Port Combination - Add'l Switch as is | USAC2 | $0 41 | $0 1964 | $0.3108 | $10 00 | $0 29 | $0 41 | $0 40 | $0 40 | $0 2886 |
| NRC 2 Wire Voice Grade Loop/Line Port Combination 1st, Switch with change | USACC | $2 80 | $0 1964 | $2.01 | $10 00 | $3 80 | $5 20 | $2 77 | $1 59 | $1 03 |
| NRC 2 Wire Voice Grade Loop/Line Port Combination - Add'l, Switch with change | USACC | $0.41 | $0 1964 | $0 3108 | $10 00 | $0 29 | $0 41 | $0 40 | $0 40 | $0 2886 |
| NRC 2 Wire Voice Grade Loop/Line Port Combination - Subsequent | USAS2 | $10.00 | $10 00 | $10 00 | $10 00 | $10 00 | $10 00 | $10 00 | $10 00 | $10 00 |
| NRC 2 Wire Voice Grade Loop/Line Port Combination - OSS LSR Charge, Electronic, per LSR received from the CLEC by one of the OSS interactive interfaces (Note 7) | SOMEC | $3 50 | $2 75 | $3 50 | $3 50 | $3 50 | $3 50 | $3 50 | $3 50 | $3 50 |
| NRC - 2-Wire Voice Grade Loop/Line Port Combination - Incremental Cost - Manual Svc Order vs Electronic - 1st | SOMAN | $40 71 | $21 56 | $33 67 | $19 99 | $31 92 | $43 52 | $40 18 | $43 19 | $30 89 |
| NRC - 2-Wire Voice Grade Loop/Line Port Combination - Incremental Cost - Manual Svc Order vs Electronic - Add'l | SOMAN | $9 58 | $21 56 | $7 88 | $19 99 | $7 32 | $9 99 | $9 45 | $9 91 | $7 03 |
| NRC- 2 Wire Voice Grade Loop/Line Port Combination - Subsequent Database Update Electronic | | $1 44 | TBD | TBD | TBD | $2 11 | $2 87 | $1 42 | $0 71 | $0 76 |
| NRC- 2 Wire Voice Grade Loop/Line Port Combination - Subsequent Database Update Manual Service Order | | $8 25 | TBD | TBD | TBD | $5 12 | $6 88 | $10 27 | $8 91 | $7 97 |
| NRC - Electronic Service Order Disconnect | | NA | $0 42 | NA | NA | NA | NA | NA | NA | NA |
| NRC - Incremental Manual Service Order Disconnect | | $20 00 | $3 84 | $20 00 | $20 00 | $20 00 | $20 00 | $20 00 | $20 00 | $20 00 |
| **NRCs for New (not Currently Combined) as ordered in Georgia:** | | | | | | | | | | |

| DESCRIPTION | USOC | AL | FL | GA | KY | LA | MS | NC | SC | TN |
|---|---|---|---|---|---|---|---|---|---|---|
| NRC - 2-Wire Voice Grade Loop with 2-Wire Line Port - New - 1st | UEPRL | NA | NA | $22 14 | NA | NA | NA | NA | NA | NA |
| NRC - 2-Wire Voice Grade Loop with 2-Wire Line Port - New - Add'l | UEPRL | NA | NA | $15 25 | NA | NA | NA | NA | NA | NA |
| NRC - 2-Wire Voice Grade Loop with 2-Wire Line Port - New - 1st | UEPRC | NA | NA | $22 14 | NA | NA | NA | NA | NA | NA |
| NRC - 2-Wire Voice Grade Loop with 2-Wire Line Port - New - Add'l | UEPRC | NA | NA | $15 25 | NA | NA | NA | NA | NA | NA |
| NRC - 2-Wire Voice Grade Loop with 2-Wire Line Port - New - 1st | UEPRO | NA | NA | $22 14 | NA | NA | NA | NA | NA | NA |
| NRC - 2-Wire Voice Grade Loop with 2-Wire Line Port - New - Add'l | UEPRO | NA | NA | $15 25 | NA | NA | NA | NA | NA | NA |
| NRC - 2-Wire Voice Grade Loop with 2-Wire Line Port - New - 1st | UEPAP | NA | NA | $22 14 | NA | NA | NA | NA | NA | NA |
| NRC - 2-Wire Voice Grade Loop with 2-Wire Line Port - New - Add'l | UEPAP | NA | NA | $15 25 | NA | NA | NA | NA | NA | NA |
| NRC - 2-Wire Voice Grade Loop with 2-Wire Line Port - New - 1st | UEPBL | NA | NA | $22 14 | NA | NA | NA | NA | NA | NA |
| NRC - 2-Wire Voice Grade Loop with 2-Wire Line Port - New - Add'l | UEPBL | NA | NA | $15 25 | NA | NA | NA | NA | NA | NA |
| NRC - 2-Wire Voice Grade Loop with 2-Wire Line Port - New - 1st | UEPBC | NA | NA | $22 14 | NA | NA | NA | NA | NA | NA |
| NRC - 2-Wire Voice Grade Loop with 2-Wire Line Port - New - Add'l | UEPBC | NA | NA | $15 25 | NA | NA | NA | NA | NA | NA |
| NRC - 2-Wire Voice Grade Loop with 2-Wire Line Port - New - 1st | UEPBO | NA | NA | $22 14 | NA | NA | NA | NA | NA | NA |
| NRC - 2-Wire Voice Grade Loop with 2-Wire Line Port - New - Add'l | UEPBO | NA | NA | $15 25 | NA | NA | NA | NA | NA | NA |
| NRC - 2-Wire Voice Grade Loop with 2-Wire Line Port - New - 1st | UEPB1 | NA | NA | $22 14 | NA | NA | NA | NA | NA | NA |
| NRC - 2-Wire Voice Grade Loop with 2-Wire Line Port - New - Add'l | UEPB1 | NA | NA | $15 25 | NA | NA | NA | NA | NA | NA |
| | | | | | | | | | | |
| NRC - 2-Wire Voice Grade Loop/Line Port Combination - Subsequent | USAS2 | NA | NA | $10 00 | NA | NA | NA | NA | NA | NA |
| NRC - 2-Wire Voice Grade Loop with 2-Wire Line Port - New - Disconnect - 1st | | NA | NA | $8 45 | NA | NA | NA | NA | NA | NA |
| NRC - 2-Wire Voice Grade Loop with 2-Wire Line Port - New - Disconnect - Add'l | | NA | NA | $3 91 | NA | NA | NA | NA | NA | NA |
| NRC - 2-Wire Voice Grade Loop/Line Port Combination - OSS LSR Charge, Electronic, per LSR received from the CLEC by one of the OSS interactive interfaces (Note 7) | SOMEC | NA | NA | $3 50 | NA | NA | NA | NA | NA | NA |
| NRC - 2-Wire Voice Grade Loop with 2-Wire Line Port - Incremental Cost Manual vs Electronic - New - 1st | | NA | NA | $37 06 | NA | NA | NA | NA | NA | NA |
| NRC - 2-Wire Voice Grade Loop with 2-Wire Line Port - Incremental Cost Manual vs Electronic - New - Add'l | | NA | NA | $8 19 | NA | NA | NA | NA | NA | NA |
| NRC- 2 Wire Voice Grade Loop/Line Port Combination - Subsequent Database Update Electronic | | NA | NA | TBD | NA | NA | NA | NA | NA | NA |
| NRC- 2 Wire Voice Grade Loop/Line Port Combination - Subsequent Database Update Manual Service Order | | NA | NA | TBD | NA | NA | NA | NA | NA | NA |
| NRC - 2-Wire Voice Grade Loop with 2-Wire Line Port - Incremental Cost Manual vs Electronic - New - Disconnect | | NA | NA | $11 17 | NA | NA | NA | NA | NA | NA |
| | | | | | | | | | | |
| **2- Wire Voice Grade Loop - Bus Only with 2 -Wire DID Trunk Port** | | | | | | | | | | |
| 2 - Wire Line Port - DID Trunk Port, per month | UEPD1 | TBD | $9 36 | $11 35 | $10 84 | $13 12 | $14 63 | $12 12 | TBD | $0 78 |
| | | | | | | | | | | |
| **2-Wire Voice Grade Loop (SL2)** | | | | | | | | | | |
| RC - 2- Wire Voice Grade Loop - Statewide | UECD1 | NA | NA | NA | NA | NA | NA | $11 76 | NA | NA |
| RC - 2- Wire Voice Grade Loop - Zone 1 | UECD1 | $17 95 | $18 48 | $16 84 | $17 78 | $17 65 | $18 35 | NA | $21 57 | $9 60 |
| RC - 2- Wire Voice Grade Loop - Zone 2 | UECD1 | $29 16 | $22 43 | $19 45 | $23 96 | $30 32 | $24 33 | NA | $32 53 | $11 09 |
| RC - 2- Wire Voice Grade Loop - Zone 3 | UECD1 | $52 84 | $27 87 | $30 92 | $34 96 | $61 93 | $34 77 | NA | $43 08 | $16 74 |
| RC - 2- Wire Voice Grade Loop - Zone 4 | UECD1 | NA | NA | NA | NA | NA | $45 88 | NA | NA | NA |
| **Combination Rates** | | | | | | | | | | |
| RC - 2-Wire Voice Grade Loop with 2-Wire DID Port, Statewide | Note 8 | NA | NA | NA | NA | NA | NA | $23 79 | NA | NA |
| RC - 2-Wire Voice Grade Loop with 2-Wire DID Port, Zone 1 (Note 6) | Note 8 | 28 72 | $27 84 | $28 19 | 28 72 | $30 77 | 28 72 | NA | 28 72 | $18 38 |
| RC - 2-Wire Voice Grade Loop with 2-Wire DID Port, Zone 2 (Note 6) | Note 8 | 34 91 | $31 79 | $30 80 | 34 91 | $43 44 | 34 91 | NA | 34 91 | $19 87 |
| RC - 2-Wire Voice Grade Loop with 2-Wire DID Port, Zone 3 (Note 6) | Note 8 | 45 9 | $37 23 | $42 27 | 45 9 | $75 05 | 45 9 | NA | 45 9 | $25 52 |
| RC - 2-Wire Voice Grade Loop with 2-Wire DID Port, Zone4 (Note 6) | Note 8 | NA | NA | NA | NA | NA | TBD | NA | NA | NA |
| NRC- 2- Wire Voice Grade Loop with 2- Wire DID Port - Conversion - Switch As Is - 1st port | USAC1 | $14 62 | $14 62 | $166 08 | TBD | $14 60 | $14 60 | $13 26 | $14 62 | $8 76 |
| NRC- 2- Wire Voice Grade Loop with 2- Wire DID Port - Conversion - Switch As Is Each Addl Port | USAC1 | $3 73 | $3 73 | $140 01 | TBD | $3 72 | $3 72 | $8 39 | $3 73 | $5 75 |

| DESCRIPTION | USOC | AL | FL | GA | KY | LA | MS | NC | SC | TN |
|---|---|---|---|---|---|---|---|---|---|---|
| NRC- 2- Wire Voice Grade Loop with 2- Wire DID Port - Conversion with changes - 1st port | USA1C | $14 62 | $14 62 | $166 08 | TBD | $14 60 | $14 60 | $13 26 | $14 62 | $8 76 |
| NRC- 2- Wire Voice Grade Loop with 2- Wire DID Port - Conversion with changes - Each Addl port | USA1C | $3 73 | $3 73 | $140 01 | TBD | $3 72 | $3 72 | $8 39 | $3 73 | $5 75 |
| NRC - 2-Wire DID Subsequent Activity - Per Svc Order - Add Trunks, Per Trunk | USAS1 | $53 57 | $53 57 | NA | NA | $53 50 | $53 50 | NA | $53 57 | NA |
| NRC - 2-Wire Voice Grade Loop/Line Port Combination - OSS LSR Charge, Electronic, per LSR received from the CLEC by one of the OSS interactive interfaces (Note 7) | SOMEC | $3 50 | $2 75 | $3 50 | $3 50 | $3 50 | $3 50 | $3 50 | $3 50 | $3 50 |
| NRC- 2- Wire Voice Grade Loop with 2- Wire DID Port - Incremental Cost- Manual Service Order - 1st | SOMAN | $19 99 | $21 56 | $37 88 | $19 99 | $19 99 | $19 99 | $53 89 | $19 99 | $41 43 |
| NRC- 2- Wire Voice Grade Loop with 2- Wire DID Port - Incremental Cost- Manual Service Order - Addl | SOMAN | $19 99 | $21 56 | $16 84 | $19 99 | $19 99 | $19 99 | $11 34 | $19 99 | $9 80 |
| NRC - Electronic Service Order Disconnect | | $0 42 | $0 42 | $0 42 | $0 42 | $0 42 | $0 42 | $0 42 | $0 42 | $0 42 |
| NRC - Incremental Manual Service Order Disconnect | | $20 00 | $3.84 | $20 00 | $20 00 | $20 00 | $20 00 | $20 00 | $20 00 | $20 00 |
| **Telephone Number/Trunk Group Establishment** | | | | | | | | | | |
| DID Trunk Termination ( one required per port) | NDT | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 |
| DID Numbers, Establish Trunk Group and Provide First Group of 20 DID Numbers (FL, GA, NC, & SC only) | NDZ | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 |
| DID Numbers, Establish Trunk Group and Provide First Group of 20 DID Numbers (AL, KY, LA, MS, & TN) In addition, Provides Additional DID Numbers for each Group of 20 DID Numbers (Valid in All States) | ND4 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 |
| DID Numbers, non-consective | ND5 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 |
| | | | | | | | | | | |
| **2-Wire ISDN Digital Grade Loop with 2-wire ISDN Digital Port** | | | | | | | | | | |
| **2-wire ISDN Digital Port per month** | UEPPB | $16 42 | $8 51 | $13 47 | $12 99 | $11 42 | $51 91 | $24 37 | $33 74 | $18 21 |
| **2-Wire ISDN Digital Grade Loop** | | | | | | | | | | |
| RC - 2-Wire ISDN Digital Grade Loop - Statewide | USL2X | NA | NA | NA | NA | NA | NA | $19 08 | NA | NA |
| RC - 2-Wire ISDN Digital Grade Loop - Zone 1 | USL2X | $23 23 | $22.48 | $21 89 | $22 41 | $28 87 | $21 86 | NA | $26 68 | $16 20 |
| RC - 2-Wire ISDN Digital Grade Loop - Zone 2 | USL2X | $37.74 | $27 90 | $25 27 | $31 10 | $37 63 | $28 97 | NA | $40 24 | $18 71 |
| RC - 2-Wire ISDN Digital Grade Loop - Zone 3 | USL2X | $68 38 | $30 78 | $40 17 | $42 36 | $48 42 | $41 40 | NA | $53 29 | $28 25 |
| RC - 2-Wire ISDN Digital Grade Loop - Zone 4 | USL2X | NA | NA | NA | NA | NA | $54 64 | NA | NA | NA |
| **Combination Rates** | | | | | | | | | | |
| RC - 2-Wire ISDN Digital Grade Loop with 2-wire ISDN Digital Port - Statewide | Note 8 | NA | NA | NA | NA | NA | NA | $43 45 | NA | NA |
| RC - 2-Wire ISDN Digital Grade Loop with 2-wire ISDN Digital Port - Zone 1 | Note 8 | $39 65 | $30 99 | $35 36 | $34 40 | $34 84 | $73 77 | NA | $60 42 | $34 41 |
| RC - 2-Wire ISDN Digital Grade Loop with 2-wire ISDN Digital Port - Zone 2 | Note 8 | $54 16 | $36 41 | $38 74 | $44 10 | $43 20 | $80 78 | NA | $73 98 | $36 92 |
| RC - 2-Wire ISDN Digital Grade Loop with 2-wire ISDN Digital Port - Zone 3 | Note 8 | $84 80 | $39 30 | $53 64 | $55 35 | $59 69 | $93 31 | NA | $87 03 | $46 46 |
| RC - 2-Wire ISDN Digital Grade Loop with 2-wire ISDN Digital Port - Zone 4 | Note 8 | NA | NA | NA | NA | NA | $106 55 | NA | NA | NA |
| NRC 2 Wire ISDN Digital Grade Loop/2-wire ISDN Digital Port - 1st conversion | USACB | $79 12 | $86 79 | $239 95 | $79 12 | $79 01 | $79 12 | $174 35 | $79 12 | $117 23 |
| NRC 2 Wire ISDN Digital Grade Loop/2-wire ISDN Digital Port - Addl conversion | USACB | $54 04 | $54 04 | $156 92 | $54 04 | $53 97 | $54 04 | $174 35 | $54 04 | $117 23 |
| NRC - 2-Wire ISDN Digital Grade Loop/2-wire ISDN Digital Port - Non Feature Subsequent Activity | USASB | $53 50 | $53 50 | $53 50 | $53 50 | $53 50 | $53 50 | $53 50 | $53 50 | $212 88 |
| NRC - 2-Wire Voice Grade Loop/Line Port Combination - OSS LSR Charge, Electronic, per LSR received from the CLEC by one of the OSS interactive interfaces (Note 7) | SOMEC | $3 50 | $2 75 | $3 50 | $3 50 | $3 50 | $3 50 | $3 50 | $3 50 | $3 50 |
| NRC - 2-Wire ISDN Digital Grade Loop/2-wire ISDN Digital Port - Incremental Cost-Manual Service Order - 1st | SOMAN | $19 99 | $21 56 | $19 99 | $19 99 | $19 99 | $19 99 | $19 99 | $19 99 | $19 99 |
| NRC - 2-Wire ISDN Digital Grade Loop/2-wire ISDN Digital Port - Incremental Cost-Manual Service Order - Addl | SOMAN | $19 99 | $21 56 | $19 99 | $19 99 | $19 99 | $19 99 | $19 99 | $19 99 | $19 99 |
| NRC - Electronic Service Order Disconnect | | $0 42 | $0 42 | $0 42 | $0 42 | $0 42 | $0 42 | $0 42 | $0 42 | $0 42 |
| NRC - Incremental Manual Service Order Disconnect | | $20 00 | $3 84 | $20.00 | $20 00 | $20 00 | $20 00 | $20 00 | $20 00 | $20 00 |
| | | | | | | | | | | |
| **4 - Wire DS1 Digital Loop with 4 - Wire ISDN DS1 Digital Trunk Port** | | | | | | | | | | |
| **4 - Wire ISDN DS1 Digital Trunk Port** | UEPPP | $186 02 | $95 39 | $163 16 | $113 21 | $107 55 | $213 21 | $179 01 | $214 79 | $78 40 |

| DESCRIPTION | USOC | AL | FL | GA | KY | LA | MS | NC | SC | TN |
|---|---|---|---|---|---|---|---|---|---|---|
| 4 - Wire DS1 Digital Loop | | | | | | | | | | |
| RC - 4- Wire DS1 Digital Loop- Statewde | USL4P | NA | NA | NA | NA | NA | NA | $62 71 | NA | NA |
| RC - 4- Wire DS1 Digital Loop- Zone 1 | USL4P | $51 74 | $92 48 | $55 53 | $106 04 | $100 70 | $50 99 | NA | $59 61 | |
| RC - 4- Wire DS1 Digital Loop- Zone 2 | USL4P | $84 05 | $119 68 | $3 21 | $135 15 | $129 12 | $67 58 | NA | $89 90 | $75 40 |
| RC - 4- Wire DS1 Digital Loop- Zone 3 | USL4P | $152 29 | $194 70 | $101 93 | $186 26 | $344 16 | $96 58 | NA | $119 06 | $98 59 |
| RC - 4-Wire DS1 Digital Loop - Zone 4 | USL4P | NA | NA | NA | NA | NA | $127 47 | NA | NA | NA |
| Combination Rates | | | | | | | | | | |
| RC - 4-Wire DS1 Digital Loop with 4-wire ISDN DS1 Digital Port - Statewde | Note 8 | NA | NA | NA | NA | NA | NA | $241 72 | NA | NA |
| RC - 4-Wire DS1 Digital Loop with 4-wire ISDN DS1 Digital Port - Zone 1 | Note 8 | $237 76 | $187 87 | $218 69 | $219 25 | $208 25 | $264 20 | NA | $274 40 | $136 13 |
| RC - 4-Wire DS1 Digital Loop with 4-wire ISDN DS1 Digital Port - Zone 2 | Note 8 | $270 07 | $215 07 | $227 29 | $248 36 | $236 67 | $280 79 | NA | $304 69 | $153 80 |
| RC - 4-Wire DS1 Digital Loop with 4-wire ISDN DS1 Digital Port - Zone 3 | Note 8 | $338 31 | $290 08 | $265 09 | $299 47 | $451 57 | $309 79 | NA | $333 85 | $176 99 |
| RC - 4-Wire DS1 Digital Loop with 4-wire ISDN DS1 Digital Port - Zone 4 | Note 8 | NA | NA | NA | NA | NA | $340 68 | NA | NA | NA |
| Local Number Portability | | | | | | | | | | |
| Local Number Portability (1 per port) | LNPCN | $1 75 | $1 75 | $1 75 | $1 75 | $1 75 | $1 75 | $1 75 | $1 75 | $1 75 |
| Interface (Provsioning Only) | | | | | | | | | | |
| Voice/Data | PR71V | $0.00 | $0.00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 |
| Digital Data | PR71D | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 |
| Inward Data | PR71E | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 |
| Non-Recurring Charges | | | | | | | | | | |
| NRC - 4-Wire DS1 Digital Loop with 4-wire ISDN DS1 Digital Port Combination - 1st conversion | USACP | $240 30 | $247 97 | $269 96 | $240 30 | $239 95 | $240 30 | $481 51 | $240 30 | $328 53 |
| NRC - 4-Wire DS1 Digital Loop with 4-wire ISDN DS1 Digital Port Combination - Addl conversion | USACP | $157 17 | $157 17 | $269 96 | $157 17 | $156 94 | $157 17 | $481 51 | $157 17 | $328 53 |
| NRC - 4 - Wire DS1 Digital Loop with 4 - Wire ISDN DS1 Digital Trunk Port - Subsequent Channel Activation - Per Channel | USASP | $29 06 | $29 06 | $28 71 | $29 06 | $29 01 | $29 06 | $36 92 | $29 06 | $28 39 |
| NRC - 4-Wire DS1 Digital Loop with 4-wire ISDN DS1 Digital Port Combination - Subsequent Inward/2-way Telephone Numbers | PR7TG | $0 98 | $0 9804 | $0 9686 | $0 98 | $0 98 | $0 98 | $1 17 | $0 98 | $0 9353 |
| NRC - 4-Wire DS1 Digital Loop with 4-wire ISDN DS1 Digital Port Combination - Subsequent Outward Telephone numbers | PR7TP | $23 02 | $23 02 | $22 75 | $23 02 | $22 99 | $23 02 | $28 17 | $23 02 | $22 36 |
| NRC - 4-Wire DS1 Digital Loop with 4-wire ISDN DS1 Digital Port Combination - Subsequent Inward Telephone Numbers | PR7ZT | $46 05 | $46 05 | $45 49 | $46 05 | $45 98 | $46 05 | $56 33 | $46 05 | $44 71 |
| NRC - 4-Wire DS1 Digital Loop with 4-wire ISDN DS1 Digital Port Combination - Subsequent Service Order Per Order | USASP | $147.47 | $147 47 | $147 47 | $147 47 | $147 47 | $147 47 | $255 25 | $147 47 | $189 76 |
| NRC - 2-Wire Voice Grade Loop/Line Port Combination - OSS LSR Charge, Electronic, per LSR received from the CLEC by one of the OSS interactive interfaces (Note 7) | SOMEC | $3 50 | $2 75 | $3 50 | $3 50 | $3 50 | $3 50 | $3 50 | $3 50 | $3 50 |
| NRC - 4 Wire DS1 Digital Loop with 4 wire ISDN Digital Port - Incremental Cost- Manual Service Order 1st | SOMAN | $19 99 | $21 56 | $19 99 | $19 99 | $19 99 | $19 99 | $19 99 | $19 99 | $19 99 |
| NRC - 4 Wire DS1 Digital Loop with 4 wire ISDN Digital Port - Incremental Cost- Manual Service Order Add | SOMAN | $19 99 | $21 56 | $19 99 | $19 99 | $19 99 | $19 99 | $19 99 | $19 99 | $19 99 |
| NRC - Electronic Service Order Disconnect | | $0 42 | $0.42 | $0 42 | $0 42 | $0 42 | $0 42 | $0 42 | $0 42 | $0 42 |
| NRC - Manual Service Order Disconnect | | $20 00 | $3 84 | $20 00 | $20 00 | $20 00 | $20 00 | $20 00 | $20 00 | $20 00 |
| | | | | | | | | | | |
| 4 - Wire DS1 Digital Loop with 4 - Wire DDITS Trunk Port | | | | | | | | | | |
| 4 - Wire DDITS Digital Trunk Port (Formerly DID Trunk Port) | UDD1T | $130 23 | $63 31 | $120 80 | $83 28 | $149 27 | $146 46 | $123 65 | TBD | $120 00 |
| 4 - Wire DS1 Digital Loop | USLDC | | | | | | | | | |
| 4 - Wire DS1 Digital Loop - Statewide | USLDC | NA | NA | | NA | NA | NA | $62 71 | NA | NA |
| 4 - Wire DS1 Digital Loop - Zone 1 | USLDC | $51 74 | $64 69 | $55 53 | $106 04 | $56 32 | $50 99 | NA | $59 61 | $57 73 |
| 4 - Wire DS1 Digital Loop - Zone 2 | USLDC | $84 05 | $94 71 | $64 13 | $135 15 | $96 73 | $67 58 | NA | $89 90 | $75 40 |
| 4 - Wire DS1 Digital Loop - Zone 3 | USLDC | $152 29 | $208 93 | $101 93 | $186 26 | $197 57 | $96 58 | NA | $119 06 | $98 59 |
| 4 - Wire DS1 Digital Loop - Zone 4 | USLDC | NA | NA | NA | NA | NA | $127 47 | NA | NA | NA |
| Combination Rates | | | | | | | | | | |
| 4 - Wire DS1 Digital Loop with 4 - Wire DDITS Trunk Port - Statewde | Note 8 | NA | NA | NA | NA | NA | NA | $186 36 | NA | NA |
| 4 - Wire DS1 Digital Loop with 4 - Wire DDITS Trunk Port - Zone 1 | Note 8 | $181 97 | $128 00 | $176 33 | $189 32 | $205 59 | $197 45 | NA | TBD | $93 28 |
| 4 - Wire DS1 Digital Loop with 4 - Wire DDITS Trunk Port - Zone 2 | Note 8 | $214 28 | $158 02 | $184 93 | $218 43 | $246 00 | $214 04 | NA | TBD | $110 95 |
| 4 - Wire DS1 Digital Loop with 4 - Wire DDITS Trunk Port - Zone 3 | Note 8 | $282 52 | $272 24 | $222 73 | $269 54 | $346 84 | $243 04 | NA | TBD | $134 14 |
| 4 - Wire DS1 Digital Loop with 4 - Wire DDITS Trunk Port - Zone 4 | Note 8 | NA | NA | NA | NA | NA | $273 93 | NA | NA | NA |

| DESCRIPTION | USOC | AL | FL | GA | KY | LA | MS | NC | SC | TN |
|---|---|---|---|---|---|---|---|---|---|---|
| Local number Portability per DSO Activated | LNPCP | $3 15 | $3 15 | $3 15 | $3 15 | $3 15 | $3 15 | $3 15 | $3 15 | $3 15 |
| Central Office Terminating Point | CTG | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 |
| | | | | | | | | | | |
| **Telephone Number / Trunk Group establishment** | | | | | | | | | | |
| Telephone Number for 2-Way Trunk Group | UDTGX | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 |
| Telephone Number for 1-Way Outward Trunk Group | UDTGY | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 |
| Telephone Number for 1-Way Inward Trunk Group Without DID | UDTGZ | $0.00 | $0.00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 |
| DID Numbers, Establish Trunk Group and Provide First Group of 20 DID Numbers (FL, GA, NC, & SC only) | NDZ | $0.00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 |
| DID Numbers, Establish Trunk Group and Provide First Group of 20 DID Numbers (AL, KY, LA, MS, & TN). In addition, Provides Additional DID Numbers for each Group of 20 DID Numbers (Valid in All States) | ND4 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 |
| DID Numbers, Non- consecutive DID Numbers , Per Number | ND5 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 |
| | | | | | | | | | | |
| **Interoffice Channel Mileage - (Dedicated DS1) FX/FCO for 4 - Wire DS1 Digital Loop with 4 - Wire DDITS Trunk Port** | | | | | | | | | | |
| Fixed cost 0-8 miles (Facilities Termination) | 1LNO1 | $79 69 | $92 62 | $63 39 | $55 05 | $93 40 | $74 40 | $71 29 | $94 98 | $75 83 |
| Additional costs per mile 0-8 miles | 1LNOA | $0 6920 | $0 2000 | $0 3068 | $0 4500 | $0 7831 | $0 6598 | $0 0783 | $0 7598 | $0 3525 |
| Fixed cost 9-25 miles (Facilities Termination) | 1LN02 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 |
| additional costs per mile 9-25 miles | 1LNOB | $0 6920 | $0.2000 | $0 3068 | $0 4500 | $0 7831 | $0 6598 | $0 0783 | $0 7598 | $0 3525 |
| Fixed cost 25 + miles (Facilities Termination) | 1LNO3 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 |
| Additional costs 25 + miles | 1LNOC | $0 6920 | $0 2000 | $0 3068 | $0 4500 | $0 7831 | $0 6598 | $0 0783 | $0 7598 | $0 3525 |
| | | | | | | | | | | |
| **Enhanced Performance Charges** | | | | | | | | | | |
| Enhanced Performance Charges - as negotiated in contract | UDTPC | TBN | TBN | TBN | TBN | TBN | TBN | TBN | TBN | TBN |
| | | | | | | | | | | |
| **Non-recurring Charges** | | | | | | | | | | |
| NRC - 4-Wire DS1 Digital Loop with 4-Wire DDITS Trunk Port Combination - OSS LSR Charge, Electronic, per LSR received from the CLEC by one of the OSS interactive interfaces (Note 7) | SOMEC | $3 50 | $2 75 | $3 50 | $3 50 | $3 50 | $3 50 | $3 50 | $3 50 | $3 50 |
| NRC- 4-Wire DS1 Digital Loop with 4-Wire DDITS Trunk Port - Incremental Cost-Manual Service Order - 1st | SOMAN | $19 99 | $21 56 | $37 88 | $19 99 | $19 99 | $19 99 | $19 99 | $19 99 | $19 99 |
| NRC- 4-Wire DS1 Digital Loop with 4-Wire DDITS Trunk Port - Incremental Cost-Manual Service Order - Add'l | SOMAN | $19 99 | $21 56 | $16 84 | $19 99 | $19 99 | $19 99 | $19 99 | $19 99 | $19 99 |
| NRC - Electronic Service Order Disconnect | | TBD | $0 42 | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| NRC - Incremental Manual Service Order Disconnect | | $20.00 | $3 84 | $20 00 | $20 00 | $20 00 | $20 00 | $20 00 | $20 00 | $20 00 |
| NRC -4 - Wire DS1 Digital Loop with 4 - Wire DDITS Trunk Port -Conversion - Switch as is 1st | USAC4 | TBD | $268 82 | $269 96 | $261 15 | $266 76 | TBD | $490 38 | TBD | $312 91 |
| NRC -4 - Wire DS1 Digital Loop with 4 - Wire DDITS Trunk Port - Conversion - Switch as is Additional | USAC4 | TBD | $134 07 | $269 96 | $134 08 | $123 16 | TBD | $490 38 | TBD | $312 91 |
| NRC -4 - Wire DS1 Digital Loop with 4 - Wire DDITS Trunk Port - Conversion with DS1 changes 1st | USAWA | TBD | $268 82 | $269 96 | $261 15 | $266 76 | TBD | $490 38 | TBD | $312 91 |
| NRC -4 - Wire DS1 Digital Loop with 4 - Wire DDITS Trunk Port - Conversion with DS1 Changes Additional | USAWA | TBD | $134.07 | $269 96 | $134 08 | $123 16 | TBD | $490 38 | TBD | $312 91 |
| NRC -4 - Wire DS1 Digital Loop with 4 - Wire DDITS Trunk Port - Conversion with Change Trunks - 1st | USAWB | TBD | $268 82 | $269 96 | $261 15 | $266 76 | TBD | $490 38 | TBD | $312 91 |
| NRC -4 - Wire DS1 Digital Loop with 4 - Wire DDITS Trunk Port - Conversion with Change - Trunks - Additional | USAWB | TBD | $134 07 | $269 96 | $134 08 | $123 16 | TBD | $490 38 | TBD | $312 91 |
| NRC -4 - Wire DS1 Digital Loop with 4 - Wire DDITS Digital Trunk Port - Subsequent Service Activity Per Service Order | USAS4 | TBD | $54 00 | $147 47 | TBD | $68 57 | TBD | $127 63 | TBD | $94 88 |
| NRC -4 - Wire DS1 Digital Loop with 4 - Wire DDITS Trunk Port - New - 1st | UDDIT | NA | NA | $858 30 | NA | NA | NA | NA | NA | NA |
| NRC -4 - Wire DS1 Digital Loop with 4 - Wire DDITS Trunk Port - New - Additional | UDDIT | NA | NA | $514 02 | NA | NA | NA | NA | NA | NA |
| NRC -4 - Wire DS1 Digital Loop with 4 - Wire DDITS Trunk Port - New - 1st - Disconnect | UDDIT | NA | NA | TBD | NA | NA | NA | NA | NA | NA |
| NRC -4 - Wire DS1 Digital Loop with 4 - Wire DDITS Trunk Port - New - Additional Disconnect | UDDIT | TBD | NA | TBD | TBD | NA | TBD | $11 98 | TBD | $15 29 |
| NRC -4 - Wire DS1 Digital Loop with 4 - Wire DDITS Trunk Port - Subsequent Channel Activation - Per Channel - 2-Way Trunk | UDTTA | TBD | $28 98 | $28 71 | $28 96 | $26 60 | TBD | $146 91 | TBD | $108 67 |

| DESCRIPTION | USOC | AL | FL | GA | KY | LA | MS | NC | SC | TN |
|---|---|---|---|---|---|---|---|---|---|---|
| NRC -4 - Wire DS1 Digital Loop with 4 - Wire DDITS Trunk Port - Subsequent Channel Activation - Per Channel - 1-Way Outward Trunk | UDTTB | TBD | $28 96 | $28 71 | $28 96 | $26 60 | TBD | $146 91 | TBD | $108 67 |
| NRC -4 - Wire DS1 Digital Loop with 4 - Wire DDITS Trunk Port - Subsequent Channel Activation - Per Channel - 1-Way Inward Trunk Without DID | UDTTC | TBD | $28 96 | $28 71 | $28 96 | $26 60 | TBD | $146 91 | TBD | $108 67 |
| NRC -4 - Wire DS1 Digital Loop with 4 - Wire DDITS Trunk Port - Subsequent Channel Activation - Per Channel - 1-Way Inward Trunk With DID | UDTTD | TBD | $28 96 | $28 71 | $28 96 | $26 60 | TBD | $146 91 | TBD | $108 67 |
| NRC -4 - Wire DS1 Digital Loop with 4 - Wire DDITS Trunk Port - Subsequent Channel Activation - Per Channel - 2-Way DID with User Transfer | UDTTE | TBD | $28 96 | $28 71 | $28 96 | $26 60 | TBD | $146 91 | TBD | $108 67 |
| NRC -4 - Wire DS1 Digital Loop with 4 - Wire DDITS Digital Trunk Port - Subsequent Signaling Changes | | TBD | TBD | TBD | TBD | TBD | TBD | $29 65 | TBD | $22 92 |
| NRC -4 - Wire DS1 Digital Loop with 4 - Wire DDITS Digital Trunk Port - Subsequent Telephone Numbers | | TBD | TBD | TBD | TBD | TBD | TBD | $120 96 | TBD | $88 68 |
| NRC - Interoffice Channel Mileage - (Dedicated DS1) FX/FCO for 4 - Wire DS1 Digital Loop with 4 - Wire DDITS Trunk PortFixed cost 0-8 miles (Facilities Termination) - 1st - New Only | 1LNO1 | $198 15 | NA | $147 07 | NA | NA | NA | NA | NA | NA |
| NRC - Interoffice Channel Mileage - (Dedicated DS1) FX/FCO for 4 - Wire DS1 Digital Loop with 4 - Wire DDITS Trunk PortFixed cost 0-8 miles (Facilities Termination) - Additional - New Only | 1LNO2 | $148 18 | NA | $111 75 | NA | NA | NA | NA | NA | NA |
| NRC - Interoffice Channel Mileage - (Dedicated DS1) FX/FCO for 4 - Wire DS1 Digital Loop with 4 - Wire DDITS Trunk PortFixed cost 0-8 miles (Facilities Termination) - Disconnect - 1st - New Only | 1LNO3 | $25 44 | NA | NA | NA | NA | NA | NA | NA | NA |
| NRC - Interoffice Channel Mileage - (Dedicated DS1) FX/FCO for 4 - Wire DS1 Digital Loop with 4 - Wire DDITS Trunk PortFixed cost 0-8 miles (Facilities Termination) - Disconnect Additional - New Only | 1LNO4 | $20 42 | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | | | | | | | | |
| BIPOLAR 8 ZERO SUSTITUTION | | | | | | | | | | |
| NRC - Superframe Format - Conversion or new install 1st | CCOSF | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 |
| NRC - Superframe Format - Conversion or new install Additional | CCOSF | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 |
| NRC - Extended Superframe Format - Change or Subsequent Activity - 1st | CCOSF | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 |
| NRC - Extended Superframe Format - Change or Subsequent Activity - Additional | CCOSF | $600 00 | $655 00 | $600 00 | $730 00 | $605 00 | $600 00 | $615 00 | $605 00 | $590 00 |
| NRC - Extended Superframe Format - Conversion or New Install 1st | CCOEF | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 |
| NRC - Extended Superframe Format - Conversion or New Install - Additional | CCOEF | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 |
| NRC - Extended Superframe Format - Change or Subsequent Activity - 1st | CCOEF | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 |
| NRC - Extended Superframe Format - Change or Subsequent Activity - Additional | CCOEF | $600 00 | $655 00 | $600 00 | $730 00 | $605 00 | $600 00 | $615 00 | $605 00 | $590 00 |
| | | | | | | | | | | |
| Alternate Mark Inversion (AMI) | | | | | | | | | | |
| NRC - Superframe Format - 1st | MCOSF | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 |
| NRC - Superframe Format - Additional | MCOSF | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 |
| NRC - Extended Superframe Format - 1st | MCOPO | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 |
| NRC - Extended Superframe Format - Additional | MCOPO | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 | $0 00 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| 2-Wire Voice Grade Loop with 2-Wire Line Port PBX | | | | | | | | | | |
| 2-Wire Analog Line Port (PBX), per month | | | | | | | | | | |
| 2-WIRE VOICE UNBUNDLED COMBINATION 2-WAY PBX TRUNK - Residence | UEPRD | $2 20 | $1 35 | $1 79 | $2 61 | $2 55 | $2 12 | $2 28 | $3 69 | $4 54 |
| LINE SIDE UNBUNDLED COMBINATION 2-WAY PBX TRUNK - BUSINESS | UEPPC | $2 20 | $1 35 | $1 79 | $2 61 | $2 55 | $2 12 | $2 28 | $3 69 | $4 54 |
| LINE SIDE UNBUNDLED OUTWARD PBX TRUNK - BUSINESS | UEPPO | $2 20 | $1 35 | $1 79 | $2 61 | $2 55 | $2 12 | $2 28 | $3 69 | $4 54 |
| LINE SIDE UNBUNDLED INCOMING PBX TRUNK - BUSINESS | UEPP1 | $2 20 | $1 35 | $1 79 | $2 61 | $2 55 | $2 12 | $2 28 | $3 69 | $4 54 |
| 2-WIRE VOICE UNBUNDLED 2-WAY COMBINATION PBX ALABAMA CALLING PORT | UEPA2 | $2 20 | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY COMBINATION PBX LOUISIANA CALLING PORT | UEPL2 | NA | NA | NA | NA | $2 55 | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED PBX LD TERMINAL PORTS | UEPLD | $2 20 | $1 35 | $1 79 | $2 61 | $2 55 | $2 12 | $2 28 | $3 69 | $4 54 |
| 2-WIRE VOICE UNBUNDLED 2 WAY COMBINATION PBX TENNESSEE CALLING PORT | UEPT2 | NA | NA | NA | NA | NA | NA | NA | NA | $4 54 |

| DESCRIPTION | USOC | AL | FL | GA | KY | LA | MS | NC | SC | TN |
|---|---|---|---|---|---|---|---|---|---|---|
| 2-WIRE VOICE UNBUNDLED 1-WAY OUTGOING PBX TENNESSEE CALLING PORT | UEPTO | NA | NA | NA | NA | NA | NA | NA | NA | $4 54 |
| 2-WIRE VOICE UNBUNDLED 2-WAY COMBINATION PBX USAGE PORT | UEPXA | $2 20 | $1 35 | $1 79 | $2 61 | $2 55 | $2 12 | $2 28 | $3 69 | $4 54 |
| 2-WIRE VOICE UNBUNDLED PBX TOLL TERMINAL HOTEL PORTS | UEPXB | $2 20 | $1 35 | $1 79 | $2 61 | $2 55 | $2 12 | $2 28 | $3 69 | $4 54 |
| 2-WIRE VOICE UNBUNDLED PBX LD DDD TERMINALS PORT | UEPXC | $2 20 | $1 35 | $1 79 | $2 61 | $2 55 | $2 12 | $2 28 | $3 69 | $4 54 |
| 2-WIRE VOICE UNBUNDLED PBX LD TERMINAL SWITCHBOARD PORT | UEPXD | $2 20 | $1 35 | $1 79 | $2 61 | $2 55 | $2 12 | $2 28 | $3 69 | $4 54 |
| 2-WIRE VOICE UNBUNDLED PBX LD TERMINAL SWITCHBOARD IDD CAPABLE PORT | UEPXE | $2 20 | $1 35 | $1 79 | $2 61 | $2 55 | $2 12 | $2 28 | $3 69 | $4 54 |
| 2-WIRE VOICE UNBUNDLED 2-WAY PBX KENTUCKY ROOM AREA CALLING PORT WITHOUT LUD | UEPXF | NA | NA | NA | $2 61 | NA | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED PBX KENTUCKY LUD AREA CALLING PORT | UEPXG | NA | NA | NA | $2 61 | NA | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED PBX KENTUCKY PREMIUM CALLING PORT | UEPXH | NA | NA | NA | $2 61 | NA | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY KENTUCKY AREA CALLING PORT WITHOUT LUD | UEPXJ | NA | NA | NA | $2 61 | NA | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY PBX LOUISIANA LOCAL OPTIONAL CALLING PORT | UEPXK | NA | NA | NA | NA | $2 55 | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY PBX HOTEL/HOSPITAL ECONOMY ADMINISTRATIVE CALLING PORT | UEPXL | $2 20 | $1 35 | $1 79 | $2 61 | $2 55 | $2 12 | $2 28 | $3 69 | $4 54 |
| 2-WIRE VOICE UNBUNDLED 2-WAY PBX HOTEL/HOSPITAL ECONOMY ROOM CALLING PORT | UEPXM | $2 20 | $1 35 | $1 79 | $2 61 | $2 55 | $2 12 | $2 28 | $3 69 | $4 54 |
| 2-WIRE VOICE UNBUNDLED 1-WAY OUTGOING PBX HOTEL/HOSPITAL ECONOMY ADMINIATRATIVE CALLING PORTTENNESSEE CALLING PORT | UEPXN | NA | NA | NA | NA | NA | NA | NA | NA | $4 54 |
| 2-WIRE VOICE UNBUNDLED 1-WAY OUTGOING PBX HOTEL/HOSPITAL DIACOUNT ROOM CALLING PORT | UEPXO | $2 20 | $1 35 | $1 79 | $2 61 | $2 55 | $2 12 | $2 28 | $3 69 | $4 54 |
| 2-WIRE VOICE UNBUNDLED 1-WAY OUTGOING PBX LOUISIANA LOCAL DISCOUNT CALLING PORT | UEPXP | NA | NA | NA | NA | $2 55 | NA | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY PBX MISSISSIPPI LOCAL ECONOMY CALLING PORT | UEPXQ | NA | NA | NA | NA | NA | $2 12 | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 2-WAY PBX MISSISSIPPI LOCAL OPTIONAL CALLING PORT | UEPXR | NA | NA | NA | NA | NA | $2 12 | NA | NA | NA |
| 2-WIRE VOICE UNBUNDLED 1-WAY OUTGOING PBXMEASURED PORT | UEPXS | $2 20 | $1 35 | $1 79 | $2 61 | $2 55 | $2 12 | $2 28 | $3 69 | $4 54 |
| 2-WIRE VOICE UNBUNDLED 2-WAY PBX SOUTH CAROLINA AREA PLUS CALLING PORT | UEPXT | NA | NA | NA | NA | NA | NA | NA | $3 69 | NA |
| 2-WIRE VOICE UNBUNDLED PBX COLLIERVILLE & MEMPHIS CALLING PORT | UEPXU | NA | NA | NA | NA | NA | NA | NA | NA | $4 54 |
| 2-WIRE VOICE UNBUNDLED 2-WAY PBX TENNESSEE REGIONSERV CALLING PORT | UEPXV | NA | NA | NA | NA | NA | NA | NA | NA | $4 54 |
| | | | | | | | | | | |
| LOCAL NUMBER PORTABILITY (REQUIRES ONE PER PORT) | LNPCP | | | | | | | | | |
| | | | | | | | | | | |
| 2-Wire Voice Grade Loop (SL1) | | | | | | | | | | |
| RC - 2-Wire Voice Grade Loop Statewide | UEPLX | NA | NA | NA | NA | NA | NA | $14 18 | NA | NA |
| RC - 2-Wire Voice Grade Loop Zone 1 | UEPLX | $14 35 | $14 90 | $10 80 | $14 79 | $14 05 | $14 59 | NA | $17 02 | $12 48 |
| RC - 2-Wire Voice Grade Loop Zone 2 | UEPLX | $23 31 | $18 51 | $12 47 | $27 68 | $24 14 | $19 33 | NA | $25 66 | $14 42 |
| RC - 2-Wire Voice Grade Loop - Zone 3 | UEPLX | $42 24 | $24 25 | $19 83 | $47.78 | $49 30 | $27 63 | NA | $33 99 | $21 77 |
| RC - 2-Wire Voice Grade Loop - Zone 4 | UEPLX | NA | NA | NA | NA | NA | $36 47 | NA | NA | NA |
| **Combination Rates** | | | | | | | | | | |
| RC - 2-Wire Voice Grade Loop with 2-Wire Line Port, Statewide | Note 8 | NA | NA | NA | NA | NA | NA | $16 46 | NA | NA |
| RC - 2-Wire Voice Grade Loop with 2-Wire Line Port, Zone 1 (Note 6) | Note 8 | $16 55 | $16 25 | $12 59 | #VALUE! | $16 60 | $16 71 | NA | $20 71 | $17 02 |
| RC - 2-Wire Voice Grade Loop with 2-Wire Line Port, Zone 2 (Note 6) | Note 8 | $25 51 | $19 86 | $14 26 | #VALUE! | $26 69 | $21 45 | NA | $29 35 | $18 96 |
| RC - 2-Wire Voice Grade Loop with 2-Wire Line Port, Zone 3 (Note 6) | Note 8 | $44 44 | $25 60 | $21 62 | #VALUE! | $51 85 | $29 75 | NA | $37 68 | $26 31 |
| RC - 2-Wire Voice Grade Loop with 2-Wire Line Port, Zone 4 (Note 6) | Note 8 | NA | NA | NA | NA | NA | $38 59 | NA | NA | NA |
| **Nonrecurring Charges** | | | | | | | | | | |
| NRC - 2-Wire Voice Grade Loop/Line Port Combination - 1st, Switch as is | USAC2 | $2 80 | $15 82 | $2 01 | $10 00 | $3 80 | $5 20 | $2 77 | $1 59 | $1 03 |
| NRC - 2-Wire Voice Grade Loop/Line Port Combination - Addl, Switch as is | USAC2 | $0 41 | $3 80 | $0 3108 | $10 00 | $0 29 | $0 41 | $0 40 | $0 40 | $0 2886 |
| NRC - 2-Wire Voice Grade Loop/Line Port Combination - 1st, Switch with change | USACC | $2 80 | $15 82 | $2 01 | $10 00 | $3 80 | $5 20 | $2 77 | $1 59 | $1 03 |

BELLSOUTH/Z-TEL RATES
NETWORK ELEMENTS
AND OTHER SERVICES
LOOP/PORT COMBINATIONS



| DESCRIPTION | USOC | AL | FL | GA | KY | LA | MS | NC | SC | TN |
|---|---|---|---|---|---|---|---|---|---|---|
| NRC - 2-Wire Voice Grade Loop/Line Port Combination - Add'l, Switch with change | USACC | $0 41 | $3 80 | $0 3108 | $10 00 | $0 29 | $0 41 | $0 40 | $0 40 | $0 2886 |
| NRC - 2-Wire Voice Grade Loop/Line Port Combination - Subsequent | USAS2 | $10 00 | $10 00 | $10 00 | $10 00 | $10 00 | $10 00 | $10 00 | $10 00 | $10 00 |
| NRC - 2-Wire Voice Grade Loop/Line Port Combination - OSS LSR Charge, Electronic, per LSR received from the CLEC by one of the OSS interactive interfaces (Note 7) | SOMEC | $3 50 | $2 75 | $3 50 | $3 50 | $3 50 | $3 50 | $3 50 | $3 50 | $3 50 |
| NRC - 2-Wire Voice Grade Loop/Line Port Combination - Incremental Cost - Manual Svc Order vs Electronic - 1st | SOMAN | $40.71 | $21 56 | $33 67 | $19 99 | $31 92 | $43 52 | $40 18 | $43 19 | $30 89 |
| NRC - 2-Wire Voice Grade Loop/Line Port Combination - Incremental Cost - Manual Svc Order vs Electronic - Add'l | SOMAN | $9 58 | $21 56 | $7 88 | $19 99 | $7 32 | $0 99 | $9 45 | $9 91 | $7 03 |
| | | | | | | | | | | |
| NRC- 2 Wire Voice Grade Loop/Line Port Combination - Subsequent Database Update Electronic | | $1 44 | TBD | TBD | TBD | $2 11 | $2 87 | $1 42 | $0 71 | $0 76 |
| NRC- 2 Wire Voice Grade Loop/Line Port Combination - Subsequent Database Update Manual Service Order | | $8 25 | TBD | TBD | TBD | $5 12 | $6 88 | $10 27 | $8 91 | $7 97 |
| NRC - Electronic Service Order Disconnect | | TBD | $0 42 | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| NRC - Incremental Manual Service Order Disconnect | | $20 00 | $3 84 | $20 00 | $20 00 | $20 00 | $20 00 | $20 00 | $20 00 | $20 00 |
| NRCs for New (not Currently Combined) as ordered in Georgia: | | | | | | | | | | |
| NRC - 2-Wire Voice Grade Loop with 2-Wire Line Port - New - 1st | UEPRD | NA | NA | $22 14 | NA | NA | NA | NA | NA | NA |
| NRC - 2-Wire Voice Grade Loop with 2-Wire Line Port - New - Add'l | UEPRD | NA | NA | $15 25 | NA | NA | NA | NA | NA | NA |
| NRC - 2-Wire Voice Grade Loop with 2-Wire Line Port - New - 1st | UEPPC | NA | NA | $22 14 | NA | NA | NA | NA | NA | NA |
| NRC - 2-Wire Voice Grade Loop with 2-Wire Line Port - New - Add'l | UEPPC | NA | NA | $15 25 | NA | NA | NA | NA | NA | NA |
| NRC - 2-Wire Voice Grade Loop with 2-Wire Line Port - New - 1st | UEPPO | NA | NA | $22 14 | NA | NA | NA | NA | NA | NA |
| NRC - 2-Wire Voice Grade Loop with 2-Wire Line Port - New - Add'l | UEPPO | NA | NA | $15 25 | NA | NA | NA | NA | NA | NA |
| NRC - 2-Wire Voice Grade Loop with 2-Wire Line Port - New - 1st | UEPP1 | NA | NA | $22 14 | NA | NA | NA | NA | NA | NA |
| NRC - 2-Wire Voice Grade Loop with 2-Wire Line Port - New - Add'l | UEPP1 | NA | NA | $15 25 | NA | NA | NA | NA | NA | NA |
| NRC - 2-Wire Voice Grade Loop with 2-Wire Line Port - New - 1st | UEPLD | NA | NA | $22 14 | NA | NA | NA | NA | NA | NA |
| NRC - 2-Wire Voice Grade Loop with 2-Wire Line Port - New - Add'l | UEPLD | NA | NA | $15 25 | NA | NA | NA | NA | NA | NA |
| NRC - 2-Wire Voice Grade Loop with 2-Wire Line Port - New - 1st | UEPXA | NA | NA | $22 14 | NA | NA | NA | NA | NA | NA |
| NRC - 2-Wire Voice Grade Loop with 2-Wire Line Port - New - Add'l | UEPXA | NA | NA | $15.25 | NA | NA | NA | NA | NA | NA |
| NRC - 2-Wire Voice Grade Loop with 2-Wire Line Port - New - 1st | UEPXB | NA | NA | $22 14 | NA | NA | NA | NA | NA | NA |
| NRC - 2-Wire Voice Grade Loop with 2-Wire Line Port - New - Add'l | UEPXB | NA | NA | $15 25 | NA | NA | NA | NA | NA | NA |
| NRC - 2-Wire Voice Grade Loop with 2-Wire Line Port - New - 1st | UEPXC | NA | NA | $22 14 | NA | NA | NA | NA | NA | NA |
| NRC - 2-Wire Voice Grade Loop with 2-Wire Line Port - New - Add'l | UEPXC | NA | NA | $15 25 | NA | NA | NA | NA | NA | NA |
| NRC - 2-Wire Voice Grade Loop with 2-Wire Line Port - New - 1st | UEPXD | NA | NA | $22 14 | NA | NA | NA | NA | NA | NA |
| NRC - 2-Wire Voice Grade Loop with 2-Wire Line Port - New - Add'l | UEPXD | NA | NA | $15 25 | NA | NA | NA | NA | NA | NA |
| NRC - 2-Wire Voice Grade Loop with 2-Wire Line Port - New - 1st | UEPXE | NA | NA | $22 14 | NA | NA | NA | NA | NA | NA |
| NRC - 2-Wire Voice Grade Loop with 2-Wire Line Port - New - Add'l | UEPXE | NA | NA | $15 25 | NA | NA | NA | NA | NA | NA |
| NRC - 2-Wire Voice Grade Loop with 2-Wire Line Port - New - 1st | UEPXL | NA | NA | $22 14 | NA | NA | NA | NA | NA | NA |
| NRC - 2-Wire Voice Grade Loop with 2-Wire Line Port - New - Add'l | UEPXL | NA | NA | $15 25 | NA | NA | NA | NA | NA | NA |
| NRC - 2-Wire Voice Grade Loop with 2-Wire Line Port - New - 1st | UEPXM | NA | NA | $22 14 | NA | NA | NA | NA | NA | NA |
| NRC - 2-Wire Voice Grade Loop with 2-Wire Line Port - New - Add'l | UEPXM | NA | NA | $15 25 | NA | NA | NA | NA | NA | NA |
| NRC - 2-Wire Voice Grade Loop with 2-Wire Line Port - New - 1st | UEPXO | NA | NA | $22 14 | NA | NA | NA | NA | NA | NA |
| NRC - 2-Wire Voice Grade Loop with 2-Wire Line Port - New - Add'l | UEPXO | NA | NA | $15 25 | NA | NA | NA | NA | NA | NA |
| NRC - 2-Wire Voice Grade Loop with 2-Wire Line Port - New - 1st | UEPXS | NA | NA | $22 14 | NA | NA | NA | NA | NA | NA |
| NRC - 2-Wire Voice Grade Loop with 2-Wire Line Port - New - Add'l | UEPXS | NA | NA | $15 25 | NA | NA | NA | NA | NA | NA |
| | | | | | | | | | | |
| NRC - 2-Wire Voice Grade Loop/Line Port Combination - Subsequent | USAS2 | NA | NA | $10 00 | NA | NA | NA | NA | NA | NA |
| NRC - 2-Wire Voice Grade Loop with 2-Wire Line Port - New - Disconnect - 1st | | NA | NA | $8 45 | NA | NA | NA | NA | NA | NA |
| NRC - 2-Wire Voice Grade Loop with 2-Wire Line Port - New - Disconnect - Add'l | | NA | NA | $3 91 | NA | NA | NA | NA | NA | NA |
| NRC - 2-Wire Voice Grade Loop/Line Port Combination - OSS LSR Charge, Electronic, per LSR received from the CLEC by one of the OSS interactive interfaces (Note 7) | SOMEC | NA | NA | $3 50 | NA | NA | NA | NA | NA | NA |

| DESCRIPTION | USOC | AL | FL | GA | KY | LA | MS | NC | | |
|---|---|---|---|---|---|---|---|---|---|---|
| NRC - 2-Wire Voice Grade Loop with 2-Wire Line Port - Incremental Cost Manual vs. Electronic - New - 1st | | NA | NA | $37 06 | NA | NA | NA | NA | NA | NA |
| NRC - 2-Wire Voice Grade Loop with 2-Wire Line Port - Incremental Cost Manual vs Electronic - New - Add'l | | NA | NA | $8 19 | NA | NA | NA | NA | NA | NA |
| NRC- 2 Wire Voice Grade Loop/Line Port Combination - Subsequent Database Update Electronic | | NA | NA | TBD | NA | NA | NA | NA | NA | NA |
| NRC- 2 Wire Voice Grade Loop/Line Port Combination - Subsequent Database Update Manual Service Order | | NA | NA | TBD | NA | NA | NA | NA | NA | NA |
| NRC - 2-Wire Voice Grade Loop with 2-Wire Line Port - Incremental Cost Manual vs. Electronic - New - Disconnect | | NA | NA | $11 17 | NA | NA | NA | NA | NA | NA |
| All Other Loop/Port Combinations | | TBD | TBD | Note 2 | TBD | TBD | TBD | TBD | TBD | TBD |
| LOCAL NUMBER PORTABILITY (REQUIRES ONE PER PORT) | LNPCX | | | | | | | | | |

**NOTES:**

Interim rates subject to true-up

1. Market Rates will apply in those areas where BellSouth is not required to provide circuit switching pursuant to FCC rules.
2. In Georgia, rates will apply for Currently Combined as well as not Currently Combined loop/port combinations unless otherwise identified.
3. In the absence of ordered rates by a State Commission, the recurring rates for Currently Combined combinations of loop/port network elements will be the sum of the recurring rates for the UNEs which make up the combinations, and the nonrecurring rates sha
4. End Office and Tandem Switching Usage and Common Transport Usage rates in the Port section of this rate exhibit shall apply to all combinations of loop/port network elements
5. Deleted
6. Geographically Deaveraged UNE Zones and applicable rates have been established for certain services, as shown in this Agreement. Where Geographically Deaveraged UNE Zones and applicable rates are established, Statewide rates are obsolete. Further, BellSouth is in the process of enhancing its billing systems in order to accomodate this Geographically Deaveraged UNE Zone Rate Structure Until these enhancements are accomplished, estimated to be mid 2001, the UNE Zone 1 rate will be billed for all services residing in Zones 1, 2, 3 or 4, i e , Rates for services residing in UNE Zones 2 3 and UNE Zone 4, where applicable, will not be billed Once billing enhancements are complete, all applicable UNE Zone rates reflected in this Agreement will be billed Reference Internet Website http //www interconnection bellsouth com/become_clec/ docs/interconnection/deavuzns pdf to view Geographically Deaveraged UNE Zone Designations by Central Office
7. In the absence of ordered OSS rates by a state commission, BellSouth will offer regionwide rates
8. There is not a unique combination USOC. CLEC should submit the loop and port USOCs
9. Rates in TN and FL are interim and shall be trued-up when final rates are ordered

**BELLSOUTH/Z-TEL RATES**
**NETWORK ELEMENTS**
**AND OTHER SERVICES**

| DESCRIPTION | USOC | AL | FL | GA | KY | LA | MS | NC | SC | TN |
|---|---|---|---|---|---|---|---|---|---|---|
| **Unbundled Loop / Transport Combinations** | | | | | | | | | | |
| | | | | | | | | | | |
| **Enhanced Extended Link ("EEL")** | | | | | | | | | | |
| **DEDICATED TRANSPORT - ALREADY COMBINED** | | | | | | | | | | |
| Local Loop - 2-wire VG - per month | | | | | | | | | | |
| Statewide | UEAL2 | $22 43 | $17 00 | $17 89 | $23 35 | $22 84 | $25 05 | $15 88 | $26 25 | $26 02 |
| Zone 1 (Note 1) | TBD | NA | NA | $15 40 | NA | NA | NA | NA | NA | NA |
| Zone 2 (Note 1) | TBD | NA | NA | $17.78 | NA | NA | NA | NA | NA | NA |
| Zone 3 (Note 1) | TBD | NA | NA | $28 26 | NA | NA | NA | NA | NA | NA |
| Zone 4 (Note 1) | TBD | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | | | | | | | | |
| Local Loop - 4-wire VG - per month | | | | | | | | | | |
| Statewide | UEAL4 | $30.00 | $30 00 | $26 58 | NA | $31.52 | $30 55 | $27 49 | $35 86 | $18 00 |
| Zone 1 (Note 1) | TBD | NA | NA | $22 88 | NA | NA | NA | NA | NA | NA |
| Zone 2 (Note 1) | TBD | NA | NA | $26 42 | NA | NA | NA | NA | NA | NA |
| Zone 3 (Note 1) | TBD | NA | NA | $41 99 | NA | NA | NA | NA | NA | NA |
| Zone 4 (Note 1) | TBD | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | | | | | | | | |
| Local Loop - 56kbps - per month | | | | | | | | | | |
| Statewide | UDL56 | $34.15 | $48 33 | $29 92 | | $35 58 | $34 95 | $32 67 | $41 70 | $42 23 |
| Zone 1 (Note 1) | TBD | NA | NA | $26.44 | NA | NA | NA | NA | NA | NA |
| Zone 2 (Note 1) | TBD | NA | NA | $30 53 | NA | NA | NA | NA | NA | NA |
| Zone 3 (Note 1) | TBD | NA | NA | $48.53 | NA | NA | NA | NA | NA | NA |
| Zone 4 (Note 1) | TBD | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | | | | | | | | |
| Local Loop - 64 kbps - per month | | | | | | | | | | |
| Statewide | UDL64 | $34 15 | $48 33 | $29 22 | NA | $35 58 | $34 95 | $32 67 | $41 70 | $42 23 |
| Zone 1 (Note 1) | TBD | NA | NA | $26 44 | NA | NA | NA | NA | NA | NA |
| Zone 2 (Note 1) | TBD | NA | NA | $30 53 | NA | NA | NA | NA | NA | NA |
| Zone 3 (Note 1) | TBD | NA | NA | $48 53 | NA | NA | NA | NA | NA | NA |
| Zone 4 (Note 1) | TBD | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | | | | | | | | |
| Local Loop - DS1 - per month | | | | | | | | | | |
| Statewide | USLXX | $64 65 | $80.00 | $60 88 | $67 96 | $72 86 | $69 59 | $62 78 | $72 55 | TBD |
| Zone 1 (Note 1) | TBD | NA | NA | $52.40 | NA | NA | NA | NA | NA | NA |
| Zone 2 (Note 1) | TBD | NA | NA | $60.51 | NA | NA | NA | NA | NA | NA |
| Zone 3 (Note 1) | TBD | NA | NA | $96 18 | NA | NA | NA | NA | NA | NA |
| Zone 4 (Note 1) | TBD | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | | | | | | | | |
| Local Loop - DS1 - per Mile | 1L5ND | $43 96 | $40 01 | $29 96 | $43 69 | $38 98 | $54 39 | $32 53 | $56 71 | $30 53 |
| Local Loop - DS3 - per Facility Termination | UE3PX | $456.18 | $470.83 | $392 61 | $436 95 | $497 08 | $427 81 | $387 01 | $510 30 | $400 21 |
| | | | | | | | | | | |
| Local Loop - STS-1 - per Mile | 1L5ND | $43 96 | $40.01 | $29 96 | $43 69 | $38 98 | $54 39 | $32 53 | $56 71 | $30 53 |
| Local Loop - STS-1 - per Facility Termination | UDLS1 | $456.18 | $470 83 | $392 61 | $436 95 | $497 08 | $427 81 | $387 01 | $510 30 | $400 21 |
| | | | | | | | | | | |
| Local Channel - Dedicated - 2-Wire VG per month | ULDV2 | $14 61 | $18 02 | $16 28 | $22 26 | $14 94 | $17 83 | $14 82 | $16 83 | $19 02 |
| | | | | | | | | | | |
| Local Channel - Dedicated - 4-Wire VG per month | ULDV4 | $15 77 | $19 01 | $17.18 | $23 38 | $16 21 | $19 03 | $15 87 | $18 05 | $20 14 |
| | | | | | | | | | | |
| Local Channel - Dedicated - DS1 per month | TMECS | $35 52 | $44.35 | $38 57 | $43 80 | $43 80 | $38 91 | $35 68 | $37 20 | $40 27 |
| | | | | | | | | | | |
| Local Channel - Dedicated - DS3 - per mile per month | 1L5NC | $34 21 | $30 65 | $23 06 | $34 00 | $30 34 | NA | NA | $44 13 | $23 76 |
| Local Channel - Dedicated - DS3 - Facility Termination per month | ULDF3 | $536 23 | $598.84 | $531 90 | $635 09 | $669 01 | $526.67 | $498 87 | $582 93 | $60/ 28 |
| | | | | | | | | | | |
| Local Channel - Dedicated - STS-1 - per mile per month | 1L5NC | $24 82 | $27.61 | $19 93 | $30 04 | $29 89 | $38 98 | $24 39 | $29 07 | $25 11 |

**BELLSOUTH/Z-TEL RATES**
**NETWORK ELEMENTS**
**AND OTHER SERVICES**

| DESCRIPTION | USOC | AL | FL | GA | KY | LA | MS | NC | SC | TN |
|---|---|---|---|---|---|---|---|---|---|---|
| Local Channel - Dedicated - STS-1 - Facility Termination per month | ULDS1 | $502 62 | $681.61 | $516 91 | $610.64 | $693 02 | $531 39 | $555 92 | $556 66 | $615 65 |
| Interoffice Channel - Dedicated - 2-Wire VG - per mile per month | 1L5XX | $0 03 | NA | $0 02 | $0 03 | $0 04 | $0 03 | $0 0282 | $0 04 | $0 02 |
| Interoffice Channel - Dedicated - 2-Wire VG - Facility Termination per month | U1TV2 | $18 49 | NA | $17.07 | $27 66 | $19 10 | $21 33 | $18 00 | $21 42 | $18 33 |
| Interoffice Channel - Dedicated - DS0 - 56kbps - per mile per month | 1L5XX | $0 04 | $0 03 | $0 02 | $0 03 | $0 04 | $0 03 | $0 0282 | $0 04 | $0 17 |
| Interoffice Channel - Dedicated - DS0 - 56 kbps - Facility Termination per month | U1TD5 | $17.81 | 21.33 | $16 45 | $26 95 | $18 37 | $20 64 | $17 40 | 20.71 | $17 74 |
| Interoffice Channel - Dedicated - DS0 - 64kbps - per mile per month | 1L5XX | $0.04 | $0.03 | $0.02 | $0 03 | $0 04 | $0 03 | $0 03 | $0 04 | $0 17 |
| Interoffice Channel - Dedicated - DS0 - 64 kbps - Facility Termination per month | U1TD6 | $17.81 | 21.33 | $16.45 | $26 95 | $18 37 | $20 64 | $17 40 | 20 71 | $17 74 |
| Interoffice Channel - Dedicated - DS1 - per mile per month | 1L5XX | $0.69 | $0 60 | $0 31 | $0 45 | $0 78 | $0 66 | $0 57530 | $0 76 | $0 35 |
| Interoffice Channel - Dedicated - DS1 - Facility Termination per month | U1TF1 | $79.69 | $99.79 | $63 39 | $55.05 | $93 40 | $74 40 | $71 29 | $94 98 | $75 83 |
| Interoffice Channel - Dedicated - DS3 - per mile per month | 1L5XX | $11 93 | $10.25 | $6 46 | $12 06 | $16 15 | $13 48 | $12 98 | $19 14 | $6 88 |
| Interoffice Channel - Dedicated - DS3 - Facility Termination per month | U1TF3 | 736.6 | 994.83 | $717 60 | $1,112 02 | $1,131 09 | $686.84 | $720 38 | $904 49 | $840 61 |
| Interoffice Channel - Dedicated - STS-1 - per mile per month | 1L5XX | $11 93 | $10 25 | $7 07 | $12 06 | $16 15 | $13 48 | $11.62 | $19 14 | $6 88 |
| Interoffice Channel - Dedicated - STS-1 - Facility Termination per month | U1TFS | $733.93 | $966.49 | $733 72 | $1,088.67 | $1,114.68 | $692 52 | $814 72 | $944 40 | $838 65 |
| DS3 Channelized System per month | MQ3 | $210.87 | $213 22 | $202 91 | $236 32 | $245 84 | $229 30 | $226 81 | $204 07 | $225 59 |
| DS3 Interface per month (DS1 COCI) | 1PQE1 | $4.53 | $6.31 | $0.67 | $8.52 | $7 55 | $5 58 | $4 61 | $9 69 | $3 91 |
| DS1 Channelized System per month | MQ1 | $139.58 | $163 88 | $137 97 | $200 01 | $209 87 | $146 87 | $177 72 | $179 81 | $165 21 |
| OCU-DP(data) interface card per month (2 4-64kbs) | 1D1DD | $2.61 | $3 13 | $1 06 | $2.94 | $3 12 | $2 86 | $2 88 | $3 36 | $2 46 |
| VG interface card per month (DS0) | 1D1VG | $1.26 | $1.78 | $2.20 | $1.40 | $1 62 | $1 45 | $1 64 | $1 93 | $1 25 |
| **NRC - All Existing UNE Combination "Switch As Is" Conversion Charge** | | | | | | | | | | |
| NRC - "Switch As Is" Conversion Charge - 1st | UNCCC | $54 03 | $63 73 | $71 04 | $54 09 | $54 23 | $54 09 | $114 00 | $54 26 | $54 13 |
| NRC - "Switch As Is" Conversion Charge - Add'l | UNCCC | $32.11 | $33.10 | $39 60 | $32 16 | $32.24 | $32.16 | $32 10 | $32 25 | $32 17 |
| (NRC rates above, if not ordered, are subject to true-up.) | | | | | | | | | | |
| [redacted] | | | | | | | | | | |
| **2-wire VG Loop/DS1 Interoffice Channel - Dedicated Transport EEL** | | | | | | | | | | |
| 2 wire analog voice grade loop SL2 and DS1 ded interoffice transport with [illegible] | | | | | | | | | | |
| [illegible] | TBD | $196.90 | TBD | $99 22 | NA | $208 13 | $229 90 | NA | $264 80 | NA |
| [illegible] | TBD | $208.11 | TBD | $101 60 | NA | $220 80 | $235 88 | NA | $275 76 | NA |
| [illegible] | TBD | $231.79 | TBD | $112 08 | NA | $252 41 | $246 32 | NA | $286 31 | NA |
| [illegible] | | NA | NA | NA | NA | NA | $257 43 | NA | NA | NA |
| [illegible] Statewide | MQ3 | $22.43 | $17.00 | NA | $23 35 | NA | NA | $15 88 | NA | $26 02 |
| [illegible] per month, Zone 1 (Note 1) | TBD | NA | NA | $15 40 | NA | $17 65 | $18 35 | NA | $21 57 | NA |
| 2 wire [illegible] per month, Zone 2 (Note 1) | TBD | NA | NA | $17 78 | NA | $30 32 | $24 33 | NA | $32 53 | NA |
| 2 wire VG [illegible] per month, Zone 3 (Note 1) | TBD | NA | NA | $28 26 | NA | $61 93 | $34 77 | NA | $43 08 | NA |
| 2-wire VG [illegible] per month, Zone 4 (Note 1) | TBD | NA | NA | NA | NA | NA | $45 88 | NA | NA | NA |
| DS1 Interoffice Channel - Dedicated Transport EEL - Per Mile per month | 1L5XX | $0 69 | $0 60 | $0 31 | $0 45 | $0 78 | $0 66 | $0 5753 | $0 76 | $0 35 |
| DS1 Interoffice Channel - Dedicated Transport EEL - Facilty Termination per month | U1TF1 | $79.69 | $99.79 | $63.39 | $55 05 | $93 40 | $74 40 | $71 29 | $94 98 | $75 83 |
| DS1 Channelization System per system per month | MQ1 | $139 58 | $163.88 | $137 97 | $200 01 | $209 87 | $146 87 | $177 72 | $179 81 | $165 21 |
| DS1 Channelization Interface -VG per month | 1PQE1 | $4 53 | $6.31 | $2 20 | $8 52 | $7 55 | $5 58 | $4 61 | $9 69 | $3 91 |
| Per additional circuit in same DS1, Recurring - Zone 1 | TBD | $19 21 | NA | $17.60 | NA | $19 07 | $18 35 | NA | $23 33 | NA |
| Per additional circuit in same DS1, Recurring - Zone 2 | TBD | $30 42 | NA | $19.98 | NA | $31 74 | $24 33 | NA | $34 29 | NA |
| Per additional circuit in same DS1, Recurring - Zone 3 | TBD | $54 10 | NA | $30 46 | NA | $63 35 | $34 77 | NA | $44 84 | NA |
| Per additional circuit in same DS1, Recurring - Zone 4 | TBD | NA | NA | NA | NA | NA | $45 88 | NA | NA | NA |
| NRC - Switch As Is - EEL- 1st | UNCCC | $14 37 | $16.86 | $12 97 | $16.86 | $12 70 | $15 41 | $16 86 | $28 87 | $16 86 |

**BELLSOUTH/Z-TEL RATES**
**NETWORK ELEMENTS**
**AND OTHER SERVICES**

| DESCRIPTION | USOC | AL | FL | GA | KY | LA | MS | NC | SC | TN |
|---|---|---|---|---|---|---|---|---|---|---|
| NRC - Switch As Is - EEL - Add'l | UNCCC | $13 33 | $15 48 | $11 27 | $15 48 | $11 10 | $13 33 | $15 48 | $28 35 | $15 48 |
| NRC - Switch As Is - EEL - Disconnect - 1st | UNCCC | $15.21 | $13.92 | $12 61 | $13 92 | $12 66 | $15 21 | $13 92 | TBA | $13 92 |
| NRC - Switch As Is - EEL - Disconnect - Add'l | UNCCC | $15.21 | $13.92 | $12 61 | $13 92 | $12 66 | $15 21 | $13 92 | TBA | $13 92 |
| NRC - Switch As Is - EEL - Manual vs. Elect - 1st | SOMAC | $56.43 | $51.31 | $45 46 | $51 31 | $42 70 | $55 41 | $51 31 | $56 54 | $51 31 |
| NRC - Switch As Is - EEL- Manual vs. Elect - Add'l | SOMAC | $19.15 | $17.56 | $15.72 | $17.56 | $14 77 | $19 16 | $17 56 | $19 02 | $17 56 |
| **INTERIM NRCs FOR *NEW* EEL SUBJECT TO TRUE-UP:** | | | **Orlando, Miami, Ft Laud FL** | | | **New Orleans LA** | | **Greensboro Charlotte NC** | | **NashvilleTN** |
| NRC - 2-wire VG Loop - 1st | SOMAC | NA | $195.00 | $157.33 | NA | $190 74 | NA | $57 99 | NA | $247 97 |
| NRC - 2-wire VG Loop - Add'l | SOMAC | NA | $97.00 | $120.74 | NA | $134 43 | NA | $42 37 | NA | $195 72 |
| NRC - Interoffice Channel - DS1- Facility Termination - 1st | SOMAC | NA | $45 91 | $166 01 | NA | $186 69 | NA | $217 17 | NA | $195 68 |
| NRC - Interoffice Channel - DS1- Facility Termination - Add'l | SOMAC | NA | $44 18 | $130 69 | NA | $149 23 | NA | $163 75 | NA | $156 47 |
| NRC - DS1 Channelization System - 1st | SOMAC | NA | $235.06 | $240 96 | NA | $220 07 | NA | $301 74 | NA | $222 87 |
| NRC - DS1 Channelization System - Add'l | SOMAC | NA | $142.56 | $148 03 | NA | $135 20 | NA | $182 57 | NA | $135 80 |
| NRC - DS1 Channelization System - VG Interface - 1st | SOMAC | NA | $13.39 | $13.45 | NA | $12 29 | NA | $15 76 | NA | $12 61 |
| NRC - DS1 Channelization System - VG Interface - Add'l | SOMAC | NA | $9.59 | $9.63 | NA | $8.80 | NA | $11 28 | NA | $9 03 |
| **4-wire VG Loop/DS1 Interoffice Channel - Dedicated Transport EEL** | | | | | | | | | | |
| 4-wire analog voice grade loop and DS1 ded interoffice transport with channelization | | | | | | | | | | |
| Zone 1 | TBD | $204.34 | NA | $101 17 | NA | $216.32 | $235 35 | NA | $274 14 | NA |
| Zone 2 | TBD | $129.33 | NA | $110 71 | NA | $233 81 | $242 64 | NA | $289 11 | NA |
| Zone 3 | TBD | $251.00 | NA | $126 28 | NA | $277.43 | $255 37 | NA | $303 52 | NA |
| Zone 4 | TBD | NA | NA | NA | NA | NA | $268 93 | NA | NA | NA |
| | | | | | | | | | | |
| 4-wire VG Loop, per month, statewide | UEAL4 | $30.00 | $30 00 | $26 58 | NA | NA | NA | $27 49 | NA | $18 00 |
| | | | | | | | | | | |
| 4-wire VG Loop, per month, Zone 1 (Note 1) | TBD | NA | NA | $22 88 | NA | $24 36 | $22 38 | NA | $29 47 | NA |
| 4-wire VG Loop, per month, Zone 2 (Note 1) | TBD | NA | NA | $26 42 | NA | $41 85 | $29 67 | NA | $44 44 | NA |
| 4-wire VG Loop, per month, Zone 3 (Note 1) | TBD | NA | NA | $41 99 | NA | $85 47 | $42.40 | NA | $58 85 | NA |
| 4-wire VG Loop, per month, Zone 4 (Note 1) | TBD | NA | NA | NA | NA | NA | $55 96 | NA | NA | NA |
| DS1 Interoffice Channel - Dedicated Transport EEL - Per Mile per month | 1L5XX | $0.69 | $0.60 | $0 31 | $0 45 | $0 78 | $0 66 | $0 5753 | $0 76 | $0 35 |
| DS1 Interoffice Channel - Dedicated Transport EEL - Facility Termination per month | U1TF1 | $79.69 | $99.79 | $63 39 | $55 05 | $93 40 | $74 40 | $71 29 | $94 98 | $75 83 |
| DS1 Channelization System per system per month | MQ1 | $139.58 | $163.88 | $137 97 | $200 01 | $209.87 | $146 87 | $177 72 | $179 81 | $165 21 |
| DS1 Channelization Interface -VG per month | 1D1VG | $1.26 | $1.78 | $2 20 | $1 40 | $1 62 | $1 45 | $1 64 | $1 93 | $1 25 |
| Per additional circuit in same DS1, Recurring - Zone 1 | TBD | 26.65 | NA | $24 93 | NA | $27 26 | $22 38 | NA | $32 67 | NA |
| Per additional circuit in same DS1, Recurring - Zone 2 | TBD | 41.64 | NA | $28 37 | NA | $44 75 | $29 67 | NA | $47 64 | NA |
| Per additional circuit in same DS1, Recurring - Zone 3 | TBD | 54.1 | NA | $43 52 | NA | $88 37 | $42.40 | NA | $62 05 | NA |
| Per additional circuit in same DS1, Recurring - Zone 4 | TBD | NA | NA | NA | NA | | $55 96 | NA | NA | NA |
| NRC - Switch As Is - EEL - 1st | UNCCC | $14.37 | $16.86 | $12 97 | $16 86 | $12 70 | $15 41 | $16 86 | $28 67 | $16 86 |
| NRC - Switch As Is - EEL - Add'l | UNCCC | $13.33 | $15.48 | $11 27 | $15 48 | $11.10 | $13 33 | $15 48 | $28 35 | $15 48 |
| NRC - Switch As Is - EEL - Disconnect - 1st | UNCCC | $15.21 | $13.92 | $12 61 | $13 92 | $12 66 | $15 21 | $13 92 | TBA | $13 92 |
| NRC - Switch As Is - EEL - Disconnect - Add'l | UNCCC | $15.21 | $13.92 | $12.61 | $13 92 | $12 66 | $15 21 | $13 92 | TBA | $13 92 |
| NRC - Switch As Is - EEL - Manual vs. Elect - 1st | SOMAC | $56.43 | $51.31 | $45 46 | $51 31 | $42 70 | $55 41 | $51 31 | $56 54 | $51 31 |
| NRC - Switch As Is - EEL- Manual vs. Elect - Add'l | SOMAC | $19.15 | $17 56 | $15 72 | $17 56 | $14 77 | $19.16 | $17 56 | $19 02 | $17 56 |
| **INTERIM NRCs FOR *NEW* EEL SUBJECT TO TRUE-UP:** | | | **Orlando, Miami, Ft Laud FL** | | | **New Orleans LA** | | **Greensboro Charlotte NC** | | **NashvilleTN** |
| NRC 4-wireVG Loop - 1st | SOMAC | NA | $141 00 | $260 11 | NA | $334 69 | NA | $288 47 | NA | $113 50 |
| NRC 4-wireVG Loop - Add'l | SOMAC | NA | $43 00 | $213 21 | NA | $243 53 | NA | $237 45 | NA | $86 00 |
| NRC - DS1 - Interoffice Channel - Facility Termination - 1st | SOMAC | NA | $45 91 | $166 01 | NA | $186 69 | NA | $217 17 | NA | $195 68 |
| NRC - DS1 - Interoffice Channel - Facility Termination - Add'l | SOMAC | NA | $44 18 | $130.69 | NA | $149 23 | NA | $163 75 | NA | $156 47 |
| NRC - DS1 Channelization System - 1st | SOMAC | NA | $235.06 | $240 96 | NA | NA | NA | $301 74 | NA | $222 87 |
| NRC - DS1 Channelization System - Add'l | SOMAC | NA | $142 56 | $148 03 | NA | NA | NA | $182 57 | NA | $135 80 |
| NRC - DS1 Channelization System - Interface VG - 1st | SOMAC | NA | $13.39 | $13.45 | NA | $12 29 | NA | $15 76 | NA | $12 61 |

**BELLSOUTH/Z-TEL RATES**
**NETWORK ELEMENTS**
**AND OTHER SERVICES**

| DESCRIPTION | USOC | AL | FL | GA | KY | LA | MS | NC | SC | TN |
|---|---|---|---|---|---|---|---|---|---|---|
| NRC - DS1 Channelization System - Interface VG - Add'l | SOMAC | NA | $9 59 | $9 63 | NA | $8 80 | NA | $11 28 | NA | $9 03 |
| **4-wire 56 kbps Loop/DS1 Interoffice Channel - Dedicated Transport EEL** | | | | | | | | | | |
| DS0 digital 56 or 64 kbps loop and DS1 ded interoffice transport with channelization | | | | | | | | | | |
| Zone 1 | TBD | $207 66 | NA | $109.12 | NA | $219 46 | $238 58 | NA | $278 93 | NA |
| Zone 2 | TBD | $224.73 | NA | $113 21 | NA | $239 20 | $246 91 | NA | $296 34 | NA |
| Zone 3 | TBD | $280.78 | NA | $131 21 | NA | $288 44 | $261 48 | NA | $313 10 | NA |
| Zone 4 | TBD | NA | NA | NA | NA | NA | $276 99 | NA | NA | NA |
| | | | | | | | | | | |
| 4-wire 56 kbps Loop, per month, statewide | UNCD5 | NA | NA | NA | NA | NA | NA | $32 67 | NA | $42 23 |
| 4-wire 56 kbps Loop, per month, Zone 1 (Note 1) | TBD | NA | NA | $26 44 | NA | $27 50 | $25 61 | NA | $34 26 | NA |
| 4-wire 56 kbps Loop, per month, Zone 2 (Note 1) | TBD | NA | NA | $30 53 | NA | $47 24 | $33 94 | NA | $51 67 | NA |
| 4-wire 56 kbps Loop, per month, Zone 3 (Note 1) | TBD | NA | NA | $48 53 | NA | $96 48 | $48 51 | NA | $68 43 | NA |
| 4-wire 56 kbps Loop, per month, Zone 4 (Note 1) | TBD | NA | NA | NA | NA | NA | $64 02 | NA | NA | NA |
| DS1 Interoffice Channel - Dedicated Transport EEL - Per Mile per month | 1L5XX | $0.69 | $0 60 | $0 31 | $0 45 | $0 78 | $0 66 | $0 5753 | $0 76 | $0 35 |
| DS1 Interoffice Channel - Dedicated Transport EEL - Facility Termination per mont | UNCB1 | $79.69 | $99 79 | $63 39 | $55 05 | $93 40 | $74 40 | $71 29 | $94 98 | $75 83 |
| DS1 Channelization System per system per month | UNCN1 | $139 58 | $163 88 | $137 97 | $200 01 | $209 87 | $146 87 | $177.72 | $179 81 | $165 21 |
| DS1 Channelization Interface - OCU-DP per month | UNC1D | $4.53 | $6 31 | $2 20 | $8 52 | $7 55 | $5 58 | $4 61 | $9 69 | $3 91 |
| Per additional circuit in same DS1, Recurring - Zone 1 | TBD | $29.97 | NA | $28 42 | NA | $30.40 | $28 48 | NA | $37 46 | NA |
| Per additional circuit in same DS1, Recurring - Zone 2 | TBD | $47 04 | NA | $32 41 | NA | $50 14 | $36 81 | NA | $54 87 | NA |
| Per additional circuit in same DS1, Recurring - Zone 3 | TBD | $73 31 | NA | $49 94 | NA | $99 38 | $51 38 | NA | $71 63 | NA |
| Per additional circuit in same DS1, Recurring - Zone 4 | TBD | NA | NA | NA | NA | NA | $66 89 | NA | NA | NA |
| NRC - Switch As Is - EEL- 1st | UNCCC | $14.37 | $16 86 | $12 97 | $16 86 | $12 70 | $15 41 | $16 86 | $28 87 | $16 86 |
| NRC - Switch As Is - EEL - Add'l | UNCCC | $13.33 | $15.48 | $11.27 | $15 48 | $11.10 | $13 33 | $15 48 | $28 35 | $15 48 |
| NRC - Switch As Is - EEL - Disconnect - 1st | UNCCC | $15.21 | $13.92 | $12.61 | $13 92 | $12 66 | $15 21 | $13 92 | TBA | $13 92 |
| NRC - Switch As Is - EEL - Disconnect - Add'l | UNCCC | $15 21 | $13.92 | $12 61 | $13.92 | $12 66 | $15 21 | $13 92 | TBA | $13 92 |
| NRC - Switch As Is - EEL - Manual vs. Elect - 1st | SOMAC | $56 43 | $51.31 | $45 46 | $51 31 | $42 70 | $55 41 | $51 31 | $56 54 | $51 31 |
| NRC - Switch As Is - EEL- Manual vs. Elect - Add'l | SOMAC | $19.15 | $17.56 | $15 72 | $17 56 | $14 77 | $19 16 | $17 56 | $19 02 | $17 56 |
| **INTERIM NRCs FOR *NEW* EEL SUBJECT TO TRUE-UP:** | | | **Orlando, Miami, Ft Laud FL** | | | **New Orleans LA** | | **Greensboro Charlotte NC** | | **NashvilleTN** |
| NRC 4-wire 56 kbps Loop - 1st | SOMAC | NA | $709.72 | $401.71 | NA | $483 59 | NA | $489 04 | NA | $698 42 |
| NRC 4-wire 56 kbps Loop - Add'l | SOMAC | NA | $483 45 | $283.84 | NA | $315 57 | NA | $337 51 | NA | NA |
| NRC DS1 Interoffice Channel - Facility Termination - 1st | SOMAC | NA | $45 91 | $166.01 | NA | $186 69 | NA | $217 17 | NA | $195 68 |
| NRC DS1 Interoffice Channel - Facility Termination - Add'l | SOMAC | NA | $44 18 | $130 69 | NA | $149 23 | NA | $163 75 | NA | $156 47 |
| NRC DS1 Channelization System | | | | | | | | | | |
| NRC DS1 Channelization System - 1st | SOMAC | NA | $238 43 | $302 82 | NA | $297 96 | NA | $338 55 | NA | $222 87 |
| NRC DS1 Channelization System - Add'l | SOMAC | NA | $145 55 | $184 20 | NA | $181 39 | NA | $200 06 | NA | $135 80 |
| NRC DS1 Channelization Interface OCU-DP card per month(2 4-64kbps) - 1st | SOMAC | NA | $13 39 | $13 45 | NA | $12 29 | NA | $15 76 | NA | $12 61 |
| NRC DS1 Channelization Interface OCU-DP card per month(2 4-64kbps) - Add'l | SOMAC | NA | $9.59 | $9 63 | NA | $8 80 | NA | $11 28 | NA | $9 03 |
| **4-wire 64 kbps Loop/DS1 Interoffice Channel - Dedicated Transport EEL** | | | | | | | | | | |
| 4-wire analog voice grade loop and DS1 ded interoffice transport with channelization | | | | | | | | | | |
| Zone 1 | TBD | $204 34 | NA | $109 12 | NA | $219 46 | $238 58 | NA | $278 93 | NA |
| Zone 2 | TBD | $219 33 | NA | $113 21 | NA | $239 20 | $246 91 | NA | $296 34 | NA |
| Zone 3 | TBD | $251 00 | NA | $131 21 | NA | $288 44 | $261 48 | NA | $313 10 | NA |
| Zone 4 | TBD | NA | NA | NA | NA | NA | $276 99 | NA | NA | NA |
| 4-wire 64 kbps Loop, per month, statewide | UDL64 | NA | $48.33 | NA | NA | NA | NA | $32 67 | NA | $42 23 |
| 4-wire 64 kbps Loop, per month, Zone 1 (Note 1) | TBD | NA | NA | $26.44 | NA | $27 50 | $25 61 | NA | $34 26 | NA |
| 4-wire 64 kbps Loop, per month, Zone 2 (Note 1) | TBD | NA | NA | $30 53 | NA | $47 24 | $33 94 | NA | $51 67 | NA |
| 4-wire 64 kbps Loop, per month, Zone 3 (Note 1) | TBD | NA | NA | $48 53 | NA | $96 48 | $48 51 | NA | $68 43 | NA |
| 4-wire 64 kbps Loop, per month, Zone 4 (Note 1) | TBD | NA | NA | NA | NA | NA | $64 02 | NA | NA | NA |
| DS1 Interoffice Channel - Dedicated Transport EEL - Per Mile per month | 1L5XX | $0 69 | $0.60 | $0 31 | $0 45 | $0 78 | $0 66 | $0 5753 | $0 76 | $0 35 |

**BELLSOUTH/Z-TEL RATES**
**NETWORK ELEMENTS**
**AND OTHER SERVICES**

| DESCRIPTION | USOC | AL | FL | GA | KY | LA | MS | NC | SC | TN |
|---|---|---|---|---|---|---|---|---|---|---|
| DS1 Interoffice Channel - Dedicated Transport EEL - Facility Termination per month | U1TF1 | $79.69 | $99.79 | $63 39 | $55 05 | $93 40 | $74 40 | $71 29 | $94 98 | $75 83 |
| DS1 Channelization System per system per month | MQ1 | $139.58 | $163 88 | $137 97 | $200 01 | $209 87 | $146 87 | $177 72 | $179 81 | $165 21 |
| DS1 Channelization Interface - OCU-DP per month | 1D1DD | $2 61 | $3.13 | NA | $2 94 | $3 12 | $2 86 | $2 88 | $3 36 | $2 46 |
| Per additional circuit in same DS1, Recurring - Zone 1 | TBD | $29.97 | NA | $28 42 | NA | $30 40 | $28 48 | NA | $37 46 | NA |
| Per additional circuit in same DS1, Recurring - Zone 2 | TBD | $47.04 | NA | $32.41 | NA | $50 14 | $36 81 | NA | $54.87 | NA |
| Per additional circuit in same DS1, Recurring - Zone 3 | TBD | $73.31 | NA | $49.94 | NA | $99 38 | $51 38 | NA | $71 63 | NA |
| Per additional circuit in same DS1, Recurring - Zone 4 | | NA | NA | NA | NA | NA | $66 89 | NA | NA | NA |
| NRC - Switch As Is - EEL- 1st | UNCCC | $14.37 | $16.86 | $12.97 | $16 86 | $12 70 | $15.41 | $16 86 | $28 87 | $16 86 |
| NRC - Switch As Is - EEL - Add'l | UNCCC | $13.33 | $15.48 | $11.27 | $15 48 | $11 10 | $13 33 | $15 48 | $28 35 | $15 48 |
| NRC - Switch As Is - EEL - Disconnect - 1st | UNCCC | $15.21 | $13 92 | $12 61 | $13 92 | $12.66 | $15.21 | $13 92 | TBA | $13 92 |
| NRC - Switch As Is - EEL - Disconnect - Add'l | UNCCC | $15.21 | $13.92 | $12.61 | $13.92 | $12 66 | $15 21 | $13 92 | TBA | $13 92 |
| NRC - Switch As Is - EEL - Manual vs. Elect - 1st | SOMAC | $56 43 | $51 31 | $45 46 | $51 31 | $42 70 | $55 41 | $51 31 | $56 54 | $51 31 |
| NRC - Switch As Is - EEL- Manual vs. Elect - Add'l | SOMAC | $19.15 | $17 56 | $15.72 | $17 56 | $14 77 | $19 16 | $17 56 | $19 02 | $17 56 |
| **INTERIM NRCs FOR *NEW* EEL SUBJECT TO TRUE-UP:** | | | **Orlando, Miami, Ft Laud FL** | | | **New Orleans LA** | | **Greensboro Charlotte NC** | | **NashvilleTN** |
| NRC - 4-wire 64 kbps Loop- 1st | SOMAC | NA | $709.72 | $401.71 | NA | $483 59 | NA | $489 04 | NA | $698 42 |
| NRC - 4-wire 64 kbps Loop - Add'l | SOMAC | NA | $483 45 | $283 84 | NA | $315 57 | NA | $337 51 | NA | NA |
| NRC - DS1- Interoffice Channel - Facility Termination - 1st | SOMAC | NA | $45 91 | $166 01 | NA | $186 69 | NA | $217 17 | NA | $195 68 |
| NRC - DS1- Interoffice Channel - Facility Termination - Add'l | SOMAC | NA | $44.18 | $130 69 | NA | $149 23 | NA | $163 75 | NA | $156 47 |
| NRC - DS1 Channelization System - 1st | SOMAC | NA | $238 43 | $331 77 | NA | $297 96 | NA | $338 55 | NA | $222 87 |
| NRC - DS1 Channelization System - Add'l | SOMAC | NA | $145 55 | $202 63 | NA | $181 39 | NA | $200 06 | NA | $135 80 |
| NRC - DS1 Channelization Sys. Interface OCU-DP card per month(2.4-64kbps) - 1 | SOMAC | NA | $13 39 | $13 45 | NA | $12 29 | NA | $15 76 | NA | $12 61 |
| NRC - DS1 Channelization Sys Interface OCU-DP card per month(2.4-64kbps) - A | SOMAC | NA | $9 59 | $9 63 | NA | $8 80 | NA | $11 28 | NA | $9 03 |
| **2-wire VG Local Channel/DS1 Interoffice Channel - Dedicated Transport EEL** | | | | | | | | | | |
| 2-wire VG Local Channel per month | ULDV2 | $14.61 | $18 02 | $16 28 | $22 26 | $14 94 | $17 83 | $14 82 | $16 83 | $19 02 |
| DS1 Interoffice Channel - Dedicated Transport EEL - Per Mile per month | 1L5XX | $0.69 | $0.60 | $0 31 | $0 45 | $0 78 | $0 66 | $0 5753 | $0 76 | $0 35 |
| DS1 Interoffice Channel - Dedicated Transport EEL - Facility Termination per month | U1TF1 | $79 69 | $99.79 | $63 39 | $55 05 | $93 40 | $74 40 | $71 29 | $94 98 | $75 83 |
| DS1 Channelization System per system per month | MQ1 | $139 58 | $163 88 | $137 97 | $200.01 | $209.87 | $146 87 | $177 72 | $179 81 | $165 21 |
| DS1 Channelization Interface -VG per month | 1D1VG | $1.26 | $1.78 | $2.20 | $1 40 | $1 62 | $1.45 | $1 64 | $1 93 | $1 25 |
| NRC - Switch As Is - EEL- 1st | UNCCC | $14 37 | $16.86 | $12.97 | $16 86 | $12.70 | $15 41 | $16 86 | $28 87 | $16 86 |
| NRC - Switch As Is - EEL - Add'l | UNCCC | $13 33 | $15.48 | $11 27 | $15 48 | $11 10 | $13 33 | $15 48 | $28 35 | $15 48 |
| NRC - Switch As Is - EEL - Disconnect - 1st | UNCCC | $15.21 | $13 92 | $12 61 | $13 92 | $12.66 | $15 21 | $13 92 | TBA | $13 92 |
| NRC - Switch As Is - EEL - Disconnect - Add'l | UNCCC | $15.21 | $13.92 | $12.61 | $13 92 | $12 66 | $15 21 | $13 92 | TBA | $13 92 |
| NRC - Switch As Is - EEL - Manual vs Elect - 1st | SOMAC | $56.43 | $51 31 | $45 46 | $51 31 | $42 70 | $55 41 | $51 31 | $56 54 | $51 31 |
| NRC - Switch As Is - EEL- Manual vs Elect - Add'l | SOMAC | $19.15 | $17 56 | $15.72 | $17 56 | $14.77 | $19 16 | $17 56 | $19 02 | $17 56 |
| **INTERIM NRCs FOR *NEW* EEL SUBJECT TO TRUE-UP:** | | | **Orlando, Miami, Ft Laud FL** | | | **New Orleans LA** | | **Greensboro Charlotte NC** | | **NashvilleTN** |
| NRC - 2 wire VG - Local Channel - 1st | SOMAC | NA | $477 33 | $401 69 | NA | $430 71 | NA | $553 80 | NA | $287 79 |
| NRC - 2-wire VG - Local Channel - Add'l | SOMAC | NA | $124 32 | $70 82 | NA | $74 41 | NA | $86 69 | NA | $39 50 |
| NRC - DS1 - Facility Termination - 1st | SOMAC | NA | $45 91 | $166 01 | NA | $186 69 | NA | $217 17 | NA | $195 68 |
| NRC - DS1 - Facility Termination - Add'l | SOMAC | NA | $44 18 | $130 69 | NA | $149 23 | NA | $163 75 | NA | $156 47 |
| NRC - DS1 Channelization System - 1st | SOMAC | NA | $235 06 | $240 96 | NA | $220 07 | NA | $301 74 | NA | $222 87 |
| NRC - DS1 Channelization System - Add'l | SOMAC | NA | $142.56 | $148 03 | NA | $135 20 | NA | $182 57 | NA | $135 80 |
| NRC - DS1 Channelization VG Interface - 1st | SOMAC | NA | $13.39 | $13 45 | NA | $12 29 | NA | $15 76 | NA | $12 61 |
| NRC - DS1 Channelization VG Interface - Add'l | SOMAC | NA | $9 59 | $9 63 | NA | $8 80 | NA | $11 28 | NA | $9 03 |
| **4-wire VG Local Channel/DS1 Interoffice Channel - Dedicated Transport EEL** | | | | | | | | | | |
| 4-wire VG Local Channel per month | ULDV4 | $15 77 | $19.01 | $17 18 | $23 38 | $16 21 | $19 03 | $15 87 | $18 05 | $20 14 |
| DS1 Interoffice Channel - Dedicated Transport EEL - Per Mile per month | 1L5XX | $0 69 | $0 60 | $0 31 | $0 45 | $0 78 | $0 66 | $0 5753 | $0 76 | $0 35 |
| DS1 Interoffice Channel - Dedicated Transport EEL - Facility Termination per month | U1TF1 | $79 69 | $99 79 | $63 39 | $55 05 | $93 40 | $74 40 | $71 29 | $94 98 | $75 83 |
| DS1 Channelization System per system per month | MQ1 | $139.58 | $163 88 | $137 97 | $200 01 | $209 87 | $146 87 | $177 72 | $179 81 | $165 21 |

**BELLSOUTH/Z-TEL RATES**
**NETWORK ELEMENTS**
**AND OTHER SERVICES**

| DESCRIPTION | USOC | AL | FL | GA | KY | LA | MS | NC | SC | TN |
|---|---|---|---|---|---|---|---|---|---|---|
| DS1 Channelization Interface -VG per month | 1D1VG | $4 53 | $6 31 | $2 20 | $8 52 | $7 55 | $5 58 | $4 61 | $9 69 | $3 91 |
| NRC - Switch As Is - EEL- 1st | UNCCC | $14 37 | $16 86 | $12 97 | $16 86 | $12.70 | $15 41 | $16 86 | $28 87 | $16 86 |
| NRC - Switch As Is - EEL - Add'l | UNCCC | $13 33 | $15.48 | $11 27 | $15.48 | $11 10 | $13 33 | $15 48 | $28 35 | $15 48 |
| NRC - Switch As Is - EEL - Disconnect - 1st | UNCCC | $15.21 | $13 92 | $12 61 | $13 92 | $12 66 | $15 21 | $13 92 | TBA | $13 92 |
| NRC - Switch As Is - EEL - Disconnect - Add'l | UNCCC | $15.21 | $13.92 | $12 61 | $13 92 | $12 66 | $15 21 | $13 92 | TBA | $13 92 |
| NRC - Switch As Is - EEL - Manual vs. Elect - 1st | SOMAC | $56.43 | $51.31 | $45 46 | $51.31 | $42 70 | $55 41 | $51 31 | $56 54 | $51 31 |
| NRC - Switch As Is - EEL- Manual vs. Elect - Add'l | SOMAC | $19 15 | $17.56 | $15 72 | $17 56 | $14 77 | $19 16 | $17 56 | $19 02 | $17 56 |
| **INTERIM NRCs FOR *NEW* EEL SUBJECT TO TRUE-UP:** | | | **Orlando, Miami, Ft Laud FL** | | | **New Orleans LA** | | **Greensboro Charlotte NC** | | **NashvilleTN** |
| NRC - 4-wire Local Channel - VG - 1st | SOMAC | NA | $77 33 | $387 38 | NA | $433 31 | NA | $562 23 | NA | $287 94 |
| NRC - 4-wire Local Channel - VG - Add'l | SOMAC | NA | $124.32 | $72.47 | NA | $88 07 | NA | $92 67 | NA | $54 18 |
| NRC - DS1 - Facility Termination - 1st | SOMAC | NA | $45 91 | $166 01 | NA | $186 69 | NA | $217 17 | NA | $195 68 |
| NRC - DS1 - Facility Termination - Add'l | SOMAC | NA | $44 18 | $130 69 | NA | $149 23 | NA | $163 75 | NA | $156 47 |
| NRC - DS1 Channelization System - 1st | SOMAC | NA | $235.06 | $240 96 | NA | $220 07 | NA | $301 74 | NA | $222 87 |
| NRC - DS1 Channelization System - Add'l | SOMAC | NA | $142 56 | $148.03 | NA | $135.20 | NA | $182 57 | NA | $135 80 |
| NRC - DS1 Channelization System Interface VG - 1st | SOMAC | NA | $13.39 | $13 45 | NA | $12 29 | NA | $15.76 | NA | $12 61 |
| NRC - DS1 Channelization System Interface - Add'l | SOMAC | NA | $9.59 | $9 63 | NA | $8.80 | NA | $11.28 | NA | $9 03 |
| **DS1 Loop/DS1 Interoffice Channel - Dedicated Transport EEL** | | | | | | | | | | |
| Zone 1 | TBD | NA | NA | $115 79 | NA | $149 72 | $125 39 | NA | $154 59 | NA |
| Zone 2 | TBD | NA | NA | $123.90 | NA | $190 13 | $141 98 | NA | $184 88 | NA |
| Zone 3 | TBD | NA | NA | $159.57 | NA | $290 97 | $170 98 | NA | $214 04 | NA |
| Zone 4 | TBD | NA | NA | NA | NA | NA | $201 87 | NA | NA | NA |
| | | | | | | | | | | |
| DS1 Loop, per month, statewide | USLXX | $64.65 | $80.00 | NA | $67 96 | NA | NA | $62 78 | NA | TBD |
| DS1 Loop, per month, Zone 1 (Note 1) | TBD | NA | NA | $52.40 | NA | $56 32 | $50 99 | NA | $59 61 | NA |
| DS1 Loop, per month, Zone 2 (Note 1) | TBD | NA | NA | $60.51 | NA | $96 73 | $67 58 | NA | $89 90 | NA |
| DS1 Loop, per month, Zone 3 (Note 1) | TBD | NA | NA | $96.18 | NA | $197 57 | $96 58 | NA | $119 06 | NA |
| DS1 Loop, per month, Zone 4 (Note 1) | TBD | NA | NA | NA | NA | NA | $127 47 | NA | NA | NA |
| DS1 Interoffice Channel - Dedicated Transport EEL - Per Mile per month | 1L5XX | $0.69 | $0.60 | $0.31 | $0 45 | $0 78 | $0 66 | $0 5753 | $0 76 | $0 35 |
| DS1 Interoffice Channel - Dedicated Transport EEL - Facility Termination per mont | U1TF1 | $79.69 | $99.79 | $63 39 | $55 05 | $93 40 | $74 40 | $71 29 | $94 98 | $75 83 |
| Per additional circuit in same DS3 - Zone 1 | TBD | NA | NA | $63.07 | NA | NA | NA | NA | NA | NA |
| Per additional circuit in same DS3 - Zone 2 | TBD | NA | NA | $61.18 | NA | NA | NA | NA | NA | NA |
| Per additional circuit in same DS3 - Zone 3 | TBD | NA | NA | $96 85 | NA | NA | NA | NA | NA | NA |
| Per additional circuit in same DS3 - Zone 4 | TBD | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | | | | | | | | |
| NRC - Switch As Is - EEL- 1st | UNCCC | $14.37 | $16 86 | $12.97 | $16 86 | $12 70 | $15 41 | $16 86 | $28 87 | $16 86 |
| NRC - Switch As Is - EEL - Add'l | UNCCC | $13 33 | $15.48 | $11 27 | $15 48 | $11 10 | $13 33 | $15 48 | $28 35 | $15 48 |
| NRC - Switch As Is - EEL - Disconnect - 1st | UNCCC | $15.21 | $13 92 | $12 61 | $13 92 | $12 66 | $15 21 | $13 92 | TBA | $13 92 |
| NRC - Switch As Is - EEL - Disconnect - Add'l | UNCCC | $15 21 | $13 92 | $12.61 | $13 92 | $12 66 | $15 21 | $13 92 | TBA | $13 92 |
| NRC - Switch As Is - EEL - Manual vs. Elect - 1st | SOMAC | $56 43 | $51.31 | $45 46 | $51 31 | $42 70 | $55 41 | $51 31 | $56 54 | $51 31 |
| NRC - Switch As Is - EEL- Manual vs Elect - Add'l | SOMAC | $19.15 | $17 56 | $15.72 | $17 56 | $14 77 | $19 16 | $17 56 | $19 02 | $17 56 |
| **INTERIM NRCs FOR *NEW* EEL SUBJECT TO TRUE-UP:** | | | **Orlando, Miami, Ft Laud FL** | | | **New Orleans LA** | | **Greensboro Charlotte NC** | | **NashvilleTN** |
| NRC - DS1 Loop - 1st | SOMAC | NA | NA | $448 92 | NA | NA | NA | $714 84 | NA | NA |
| NRC - DS1 Loop - Add'l | SOMAC | NA | NA | $276 60 | NA | NA | NA | $421 47 | NA | NA |
| NRC - DS1 Interoffice Channel - Facility Termination - 1st | SOMAC | NA | $45 91 | $166 01 | NA | $186 69 | NA | $217 17 | NA | $195 68 |
| NRC - DS1Interoffice Channel - Facility Termination - Add'l | SOMAC | NA | $44.18 | $130.69 | NA | $149 23 | NA | $163 75 | NA | $156 47 |
| **DS1 Loop/DS3 Interoffice Channel - Dedicated Transport EEL** | | | | | | | | | | |
| Zone 1 | TBD | NA | NA | $973 58 | NA | NA | NA | NA | NA | NA |
| Zone 2 | TBD | NA | NA | $981 69 | NA | NA | NA | NA | NA | NA |
| Zone 3 | TBD | NA | NA | $1,017 36 | NA | NA | NA | NA | NA | NA |

**BELLSOUTH/Z-TEL RATES**
**NETWORK ELEMENTS**
**AND OTHER SERVICES**

| DESCRIPTION | USOC | AL | FL | GA | KY | LA | MS | NC | SC | TN |
|---|---|---|---|---|---|---|---|---|---|---|
| Zone 4 | TBD | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | | | | | | | | |
| DS1 Loop, per month, statewide | USLXX | $64 65 | $80 00 | NA | $67 96 | $72 86 | $69 59 | $62 78 | $72 55 | TBD |
| DS1 Loop, per month, Zone 1 (Note 1) | TBD | NA | NA | $52 40 | NA | NA | NA | NA | NA | NA |
| DS1 Loop, per month, Zone 2 (Note 1) | TBD | NA | NA | $60 51 | NA | NA | NA | NA | NA | NA |
| DS1 Loop, per month, Zone 3 (Note 1) | TBD | NA | NA | $96 18 | NA | NA | NA | NA | NA | NA |
| DS1 Loop, per month, Zone 4 (Note 1) | TBD | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| DS3 Interoffice Channel - Dedicated Transport EEL - Per Mile per month | 1L5XX | $11.93 | $10.25 | $6 46 | $12 06 | $16 15 | $13 48 | $12 98 | $19 14 | $6 88 |
| DS3 Interoffice Channel - Dedicated Transport EEL - Facility Termination per month | U1TF3 | 736 6 | 994.83 | $717 60 | $1,112 02 | $1,131 09 | $686 84 | $720 38 | $904 49 | $840 61 |
| DS3 Channelization System per system per month | MQ3 | $210.87 | $213 22 | $202 91 | $236 32 | $245 84 | $229 30 | $226 81 | $204 07 | $225 59 |
| DS3 Channelization Interface -DS1 per month | 1PQE1 | $4 53 | $6.31 | $0 67 | $8 52 | $7 55 | $5 58 | $4 61 | $9 69 | $3 91 |
| NRC - Switch As Is - EEL- 1st | UNCCC | $14 37 | $16 86 | $12.97 | $16 86 | $12 70 | $15 41 | $16 86 | $28 87 | $16 86 |
| NRC - Switch As Is - EEL - Add'l | UNCCC | $13.33 | $15.48 | $11 27 | $15 48 | $11 10 | $13 33 | $15 48 | $28 35 | $15 48 |
| NRC - Switch As Is - EEL - Disconnect - 1st | UNCCC | $15.21 | $13.92 | $12 61 | $13 92 | $12 66 | $15 21 | $13 92 | TBA | $13 92 |
| NRC - Switch As Is - EEL - Disconnect - Add'l | UNCCC | $15.21 | $13 92 | $12 61 | $13 92 | $12 66 | $15.21 | $13 92 | TBA | $13 92 |
| NRC - Switch As Is - EEL - Manual vs. Elect - 1st | SOMAC | $56.43 | $51 31 | $45 46 | $51 31 | $42 70 | $55 41 | $51 31 | $56 54 | $51 31 |
| NRC - Switch As Is - EEL- Manual vs. Elect - Add'l | SOMAC | $19.15 | $17.56 | $15.72 | $17.56 | $14 77 | $19.16 | $17 56 | $19 02 | $17 56 |
| **INTERIM NRCs FOR *NEW* EEL SUBJECT TO TRUE-UP:** | | | **Orlando, Miami, Ft Laud FL** | | | **New Orleans LA** | | **Greensboro Charlotte NC** | | **NashvilleTN** |
| NRC - DS1 Loop - 1st | SOMAC | NA | NA | $53 46 | NA | NA | NA | $714 84 | NA | NA |
| NRC - DS1 Loop - Add'l | SOMAC | NA | NA | $319.54 | NA | NA | NA | $421 47 | NA | NA |
| NRC - DS3 - Interoffice Channel - Facility Termination - 1st | SOMAC | NA | $879.42 | $959.44 | NA | $882 49 | NA | $794 94 | NA | $905 50 |
| NRC - DS3 - Interoffice Channel - Facility Termination - Add'l | SOMAC | NA | $542 41 | $623 26 | NA | $573 28 | NA | $579 55 | NA | $565 26 |
| NRC - DS3 Channelization System - 1st | SOMAC | NA | $408 24 | $453 17 | NA | $413 85 | NA | $428 07 | NA | $423 18 |
| NRC - DS3 Channelization System - Add'l | SOMAC | NA | $301.27 | $320 09 | NA | $292.33 | NA | $298 37 | NA | $298 48 |
| NRC - DS3 Channelization System DS1 Interface - 1st | SOMAC | NA | $13.39 | $13 45 | NA | $12 29 | NA | $15 76 | NA | $12 61 |
| NRC - DS3 Channelization System DS1 Interface - Add'l | SOMAC | NA | $9 59 | $9.63 | NA | $8 80 | NA | $11 28 | NA | $9 03 |
| **DS-1 Local Channel/ DS-3 Interoffice Channel - Dedicated Transport EEL** | | | | | | | | | | |
| DS1 Local Channel per month | TMECS | $35.52 | $44 35 | $38 57 | $43 80 | $43 80 | $38 91 | $35 68 | $37 20 | $40 27 |
| DS3 Interoffice Channel - Dedicated Transport EEL - Per Mile per month | 1L5XX | $11.93 | $10 25 | $6.46 | $12 06 | $16 15 | $13 48 | $12 98 | $19 14 | $6 88 |
| DS3 Interoffice Channel - Dedicated Transport EEL - Facility Termination per month | U1TF3 | $736.60 | $994.83 | $717 60 | $1,112 02 | $1,131 09 | $686 84 | $720 38 | $904 49 | $840 61 |
| DS3 Channelization System per system per month | MQ3 | $210.87 | $213.22 | $202 91 | $2 94 | $3 12 | $2 86 | $2.88 | $3 36 | $2 46 |
| DS3 Channelization Interface -DS1 per month | 1PQE1 | $4.53 | $6.31 | $0 67 | $1.40 | $1 62 | $1 45 | $1.64 | $1 93 | $1 25 |
| NRC - Switch As Is - EEL - 1st | UNCCC | $14 37 | $16.86 | $12.97 | $16 86 | $12 70 | $15 41 | $16.86 | $28 87 | $16 86 |
| NRC - Switch As Is - EEL - Add'l | UNCCC | $13.33 | $15.48 | $11 27 | $15 48 | $11 10 | $13 33 | $15 48 | $28 35 | $15 48 |
| NRC - Switch As Is - EEL - Disconnect - 1st | UNCCC | $15.21 | $13 92 | $12.61 | $13 92 | $12 66 | $15 21 | $13 92 | TBA | $13 92 |
| NRC - Switch As Is - EEL - Disconnect - Add'l | UNCCC | $15.21 | $13.92 | $12.61 | $13.92 | $12 66 | $15 21 | $13 92 | TBA | $13 92 |
| NRC - Switch As Is - EEL - Manual vs Elect - 1st | SOMAC | $56.43 | $51.31 | $45.46 | $51 31 | $42 70 | $55 41 | $51 31 | $56 54 | $51 31 |
| NRC - Switch As Is - EEL - Manual vs Elect - Add'l | SOMAC | $19.15 | $17.56 | $15 72 | $17 56 | $14 77 | $19 16 | $17.56 | $19 02 | $17 56 |
| **INTERIM NRCs FOR *NEW* EEL SUBJECT TO TRUE-UP:** | | | **Orlando, Miami, Ft Laud FL** | | | **New Orleans LA** | | **Greensboro Charlotte NC** | | **NashvilleTN** |
| NRC - DS1 Local Channel - 1st | SOMAC | NA | $246.50 | $400.37 | NA | $434 53 | NA | $534 48 | NA | $377 96 |
| NRC - DS1 Local Channel - Add'l | SOMAC | NA | $230.49 | $312 89 | NA | $341 09 | NA | $462 69 | NA | $277 31 |
| NRC- DS3 Interoffice Channel - Facility Termination - 1st | SOMAC | NA | $884.71 | 977 44 | NA | 982 64 | NA | $794 94 | NA | 980 45 |
| NRC- DS3 Interoffice Channel - Facility Termination - Add'l | SOMAC | NA | $552 81 | 641 1 | NA | 644 52 | NA | $579 55 | NA | 643 07 |
| NRC - DS3 Channelization System - 1st | SOMAC | NA | $344 18 | $386 41 | NA | $352 89 | NA | $476 24 | NA | $362 09 |
| NRC - DS3 Channelization System - Add'l | SOMAC | NA | $248 67 | $264.84 | NA | $241 87 | NA | $321 89 | NA | $248 17 |
| NRC - DS3 Channelization System DS1 Interface - 1st | SOMAC | NA | $13 39 | $13.45 | NA | $12 29 | NA | $15 76 | NA | $12 61 |
| NRC - DS3 Channelization System DS1 Interface - Add'l | SOMAC | NA | $9.59 | $9 63 | NA | $8 80 | NA | $11 28 | NA | $9 03 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| Notes | | | | | | | | | | |

**BELLSOUTH/Z-TEL RATES**
**NETWORK ELEMENTS**
**AND OTHER SERVICES**

| DESCRIPTION | USOC | AL | FL | GA | KY | LA | MS | NC | SC | TN |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 Effective May 1, 2000 statewide rates will be replaced by Deaveraged Loop Rates by Zone where available. Until approximately December 31, 2000 or until such time that BellSouth billing systems have been developed to handle the new zone rate structure, BellSouth will bill at the Zone 1 Deaveraged Loop rate level only. After December 31, 2000 or such time that the billing systems have been developed to handle the new zone rate structure, BellSouth will begin billing pursuant to Birch's interconnection agreement. The status of the rates shown by state is as follows: | | | | | | | | | | |
| | | | | | | | | | | |

**BELLSOUTH/Z-TEL RATES**
**NETWORK ELEMENTS**
**AND OTHER SERVICES**

| DESCRIPTION | USOC | AL | FL | GA | KY | LA | MS | NC | SC | TN |
|---|---|---|---|---|---|---|---|---|---|---|
| **Operational Support Systems** | | | | | | | | | | |
| Recovery of incremental OSS costs, per CLP, per month | TBD | NA | NA | NA | NA | NA | NA | $305 00 | NA | NA |
| RC - OSS OLEC Daily Usage File: Recording, Per Message | TBD | $0 0002 | $0 008 | $0 0001275 | $0 0008611 | $0 00019 | $0 0001179 | $0 0003 | $0 0002862 | $0 008 |
| RC- OSS OLEC Daily Usage File: Message Processing, Per Message | TBD | $0 0033 | $0 004 | $0 0062548 | $0 0032357 | $0 0024 | $0 0032089 | $0 0032 | $0 0032344 | $0 004 |
| RC - OSS OLEC Daily Usage File: Message Distribution, Per Magnetic Tape | TBD | $55 19 | $54 95 | $28 25 | $55.68 | $47 3000 | $54 62 | $54 61 | $54 72 | $54 95 |
| RC - OSS OLEC Daily Usage File: Data Transmission (CONNECT:DIRECT), Per | TBD | $0 00004 | $0 001 | $0 0000434 | $0.0000365 | $0 0000300 | $0.0000354 | $0 00004 | $0.0000357 | $0 001 |
| **Access Daily Usage File (ADUF)** | | | | | | | | | | |
| RC - ADUF, Message Processing, per message | TBD | $0.004 | $0 004 | $0 0136327 | $0 004 | $0 004 | $0 004 | $0 004 | $0 004 | $0 004 |
| RC - ADUF, Message Distribution, per Magnetice Tape provisioned | TBD | $54.95 | $54.95 | $28 85 | $54 95 | $54 95 | $54 95 | $54 95 | $54 95 | $54 95 |
| RC - ADUF, Data Transmision (CONNECT:DIRECT), per message | TBD | $0.001 | $0.001 | $0 0000434 | $0.001 | $0.001 | $0.001 | $0 001 | $0 001 | $0 001 |
| **Enhanced Optional Daily Usage File (EODUF)** | | | | | | | | | | |
| Enhanced Optional Daily Usage File: Message Processing , Per Message | TBD | $0.004 | $0.004 | $0 0034555 | $0 004 | $0 004 | $0 004 | $0 004 | $0 004 | $0 004 |
| Enhanced Optional Daily Usage File: Message Processing, per magnetic tape | TBD | $47 30 | $47 30 | $47 30 | $47 30 | $47 30 | $47 30 | $47 30 | $47 30 | $47 30 |
| Enhanced Optional Daily Usage File: Data Transmision (CONNECT:DIRECT), per | TBD | $0.0000364 | $0.0000364 | NA | $0.0000364 | $0 0000364 | $0 0000364 | $0 0000364 | $0 0000364 | $0 0000364 |
| | | | | | | | | | | |
| **SWA 8XX Toll Free Dialing Ten Digit Screening Service (Note 1)** | | | TBD | | | | | | | |
| **8XX Access Ten Digit Screening (all types), per call (Note 2)** | N/A | $0.0005 | NA | $0.0004868 | NA | $0 0005305 | $0 0005321 | $0 00050 | $0 0005227 | NA |
| **8XX Access Ten Digit Screening Svc. W/8XX No. Delivery** | | | | | | | | | | |
| per query | N/A | NA | NA | NA | $0 0010 | NA | NA | $0 00365 | NA | $0 004 |
| for 8XX Numbers, with Optional Complex Features, per query | N/A | NA | NA | NA | $0.0011 | NA | NA | $0 00431 | NA | $0 004 |
| **8XX Access Ten Digit Screening Svc. W/POTS No. Delivery** | | | | | | | | | | |
| per query | N/A | NA | NA | NA | $0 0010 | NA | NA | $0 00383 | NA | $0 004 |
| with Optional Complex Features, per query | N/A | NA | NA | NA | $0 0011 | NA | NA | $0 00431 | NA | $0 004 |
| **8XX Access Ten Digit Screening Svc. W/800 No. Delivery** | | | | | | | | | | |
| per message | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| for 8XX Numbers, w/Optional Complex Features, per message | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **8XX Access Ten Digit Screening Svc. W/POTS No. Delivery** | | | | | | | | | | |
| per message | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| with Optional Complex Features, per message | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **Reservation Charge per 8XX number reserved** | | | | | | | | | | |
| NRC - 1st | N8R1X | $7.13 | NA | $6 57 | $10 05 | $6 29 | $8 46 | $7 05 | $6 38 | $30 00 |
| NRC - Add'l | N8R1X | $0.97 | NA | $0.76 | $1 19 | $0 73 | $0 96 | $0 96 | $0 9583 | $0 50 |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAN | $27.37 | NA | $18.94 | NA | $18 14 | $25 52 | $26 94 | $27 84 | NA |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAN | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **Per 8XX # Established w/o POTS (w/8XX No ) Translations** | | | | | | | | | | |
| NRC - 1st | N/A | $15.88 | NA | $12 81 | $30 59 | $12 27 | $17 04 | $23 82 | $22 63 | $67 50 |
| NRC - Add'l | N/A | $1.97 | NA | $1 45 | $3 22 | $1 39 | $1 93 | $2 73 | $2 73 | $1 50 |
| NRC - Disconnect Charge - 1st | N/A | $10.04 | NA | NA | NA | $8 30 | $11 32 | NA | $42 95 | NA |
| NRC - Disconnect Charge - Add'l | N/A | $0.97 | NA | NA | NA | $0 73 | $0 96 | NA | NA | NA |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAN | $27.37 | NA | $18 94 | NA | $18 14 | $25 52 | $41 35 | NA | NA |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAN | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| NRC - Incremental Charge - Manual Service Order - Disconnect | SOMAN | $17.75 | NA | NA | NA | $11 40 | $16 05 | NA | NA | NA |
| **Per 8XX # Established with POTS Translations** | | | | | | | | | | |
| NRC - 1st | N8FTX | $15 88 | NA | $12 81 | $30 59 | $12 27 | $17 04 | $23 82 | $22 63 | $67 50 |
| NRC - Add'l | N8FTX | $1.97 | NA | $1 45 | $3 22 | $1 39 | $1 93 | $2 73 | $2 73 | $1 50 |
| NRC - Disconnect Charge - 1st | N8FTX | $10.04 | NA | NA | NA | $8 30 | $11 32 | NA | $42 95 | NA |
| NRC - Disconnect Charge - Add'l | N8FTX | $0 97 | NA | NA | NA | $0 73 | $0 96 | NA | NA | NA |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAN | $27.37 | NA | $18 94 | NA | $18 14 | $25 52 | $41 35 | NA | NA |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAN | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| NRC - Incremental Charge - Manual Service Order - Disconnect | SOMAN | $17 75 | NA | NA | NA | $11 40 | $16 05 | NA | NA | NA |
| **Customized Area of Service per 8XX Number** | | | | | | | | | | |
| NRC - 1st | N8FCX | $5 69 | NA | $4 46 | $6 97 | $4 27 | $5 63 | $5 63 | $5 64 | $3 00 |
| NRC - Add'l | N8FCX | $2 85 | NA | $2 23 | $3 49 | $2 14 | $2 81 | $2 82 | $2 82 | $1 50 |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAN | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAN | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**BELLSOUTH/Z-TEL RATES**
**NETWORK ELEMENTS**
**AND OTHER SERVICES**

| DESCRIPTION | USOC | AL | FL | GA | KY | LA | MS | NC | SC | TN |
|---|---|---|---|---|---|---|---|---|---|---|
| **Multiple Inter LATA Carrier Routing per Carrier Requested per 8XX #** | | | | | | | | | | |
| NRC - 1st | N8FMX | $6 66 | NA | $5 22 | $8 16 | $5 00 | $6 59 | $6 59 | $6 60 | $3 50 |
| NRC - Add'l | N8FMX | $3.81 | NA | $2.99 | $4 67 | $2 86 | $3 77 | $3 77 | $3 78 | $2 00 |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAN | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAN | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **Change Charge per request** | | | | | | | | | | |
| NRC - 1st | N8FAX | $8 10 | NA | $7 33 | $11 24 | $7 01 | $9 42 | $8 01 | $7 34 | $48 50 |
| NRC - Add'l | N8FAX | $0.97 | NA | $0 76 | $1 19 | $0 73 | $0 96 | $0 96 | $0 9583 | $0 50 |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAN | $27.37 | NA | $18 94 | NA | $18 14 | $25 52 | $26 94 | $27 84 | NA |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAN | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **Call Handling and Destination Features** | | | | | | | | | | |
| NRC - 1st | N8FDX | $5 69 | NA | $4 72 | $6 97 | $4 27 | $5 63 | $5 63 | $5 64 | $3 00 |
| NRC - Add'l | N8FDX | NA | NA | $4.46 | $6.97 | $4 27 | $5 63 | NA | $5 64 | $3 00 |
| | | | | | | | | | | |
| **LINE INFORMATION DATABASE ACCESS (LIDB)** | | | | | | | | | | |
| **LIDB Common Transport per query** | OQT | $0 00004 | $0 0003 | $0.0000338 | $0 00006 | $0 0000418 | $0 0000446 | $0 0003 | $0 0000442 | $0 0003 |
| **LIDB Validation per query** | OQU | $0.041003 | $0.041003 | $0 0105974 | $0 00938 | $0 0103774 | $0 0142132 | $0 013400 | $0 0141003 | $0 041003 |
| **LIDB Originating Point Code Establishment or Change - NRC** | N/A | $64 36 | NA | $50 30 | $107.60 | $48.17 | $63 63 | $91 00 | $61 62 | NA |
| NRC - Incremental Charge - Electronic Service Order | TBD | NA | NA | NA | NA | NA | NA | $62 26 | NA | NA |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAN | $25.93 | NA | $18 94 | NA | $18 14 | $25 52 | $26 94 | $27 84 | $91 00 |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAN | NA | NA | NA | NA | NA | NA | NA | $27 84 | NA |
| | | | | | | | | | | |
| **CCS7 SIGNALING TRANSPORT SERVICE** | | | | | | | | | | |
| **CCS7 Signaling Connection, per link (A link) per month** | | $18 79 | $5 00 | $17 05 | $16 31 | $19 48 | $21 58 | $155 00 | $21 79 | $155 00 |
| NRC | | $171.98 | $400.00 | $131 96 | $354 95 | $126 34 | $169 72 | $510 00 | $277 07 | $510 00 |
| NRC - Disconnect | | $135.70 | NA | NA | NA | $101 10 | $134 08 | NA | $42 95 | NA |
| NRC - Incremental Charge - Manual Service Order | SOMAN | $25.93 | NA | $18 94 | NA | $18.14 | $25 52 | NA | NA | NA |
| NRC - Incremental Charge - Manual Service Order - Disconnect | SOMAN | $16 31 | NA | NA | NA | $11 40 | $16 05 | NA | NA | NA |
| **CCS7 Signaling Connection, per link (B link) (also known as D link) per month** | | $18.79 | $5 00 | $17 05 | $16.31 | $19 48 | $21 58 | $155 00 | $21 79 | Not available |
| NRC | | $171.98 | $400 00 | $131.96 | $354 95 | $126.34 | $169.72 | $510 00 | $277 07 | $510 00 |
| NRC - Disconnect | | $135 70 | NA | NA | NA | $101 10 | $134 08 | NA | $42 95 | NA |
| NRC - Incremental Charge - Manual Service Order | SOMAN | $25 93 | NA | $18 94 | NA | $18 14 | $25 52 | NA | NA | NA |
| NRC - Incremental Charge - Manual Service Order - Disconnect | SOMAN | $16.31 | NA | NA | NA | $11.40 | $16 05 | NA | NA | NA |
| **CCS7 Signaling Termination, per STP port per month** | | $148.72 | $113 00 | $133.99 | $174 08 | $161 99 | $161 12 | $132 88 | $156 33 | $355 00 |
| **CCS7 Signaling Usage, per ISUP message** | | $0 00004 | $0.00001 | $0 0000354 | $0.000037893 | $0 0000430 | $0 0000456 | $0 00004 | $0 0000452 | $0 000023 |
| (applicable when measurement and billing capability exists.) | | | | | | | | | | |
| **CCS7 Signaling Usage, per TCAP message** | | $0.0001 | $0.00004 | $0 0000870 | $0 000102042 | $0 0001052 | $0 0001115 | $0 00009 | $0 0001108 | $0 00005 |
| (applicable when measurement and billing capability exists.) | | | | | | | | | | |
| **CCS7 Signaling Usage Surrogate, per link per LATA per mo (9)** | | $376.12 | $64.00 | $340.67 | $329.98 | $406 71 | $406 53 | $338 98 | $396 55 | $395 00 |
| **CCS7 Signaling Point Code, Establishment or Change, per STP affected** | | | | | | | | | | |
| NRC | | $62 00 | $62.00 | $62 00 | $62 00 | $62 00 | $62 00 | $62 00 | $62 00 | $62 00 |
| | | | | | | | | | | |
| **OPERATOR CALL PROCESSING** | | | | | | | | | | |
| **Operator Provided Call Handling per min - Using BST LIDB** | N/A | $1 21 | $1 00 | $0 9680296 | $1 6016 | $0 91 | $1 19 | $1 20 | $1 21 | NA |
| Call Completion Access Termination Charge per call attempt | N/A | $0 08 | NA | NA | NA | NA | NA | NA | $0 08 | NA |
| **Operator Provided Call Handling per min - Using Foreign LIDB** | N/A | $1.25 | $1 00 | $1 02 | $1 6249 | $0 96 | $1 24 | $1 24 | $1 25 | NA |
| Call Completion Access Termination Charge per call attempt | N/A | $0.08 | NA | NA | NA | NA | NA | NA | $0 08 | NA |
| **Operator Provided Call Handling, per call** | N/A | NA | NA | NA | NA | NA | NA | NA | NA | $0 30 |
| **Fully Automated Call Handling per call - Using BST LIDB** | N/A | $0.11 | $0.10 | $0 0776409 | $0 0856 | $0 10 | $0 1072884 | $0 11 | $0 1115808 | $0 15 |
| **Fully Automated Call Handling per call - Using Foreign LIDB** | N/A | $0 13 | $0 10 | $0 0976984 | $0 1071 | $0 12 | $0 1253666 | $0 12 | $0 1293459 | $0 15 |
| **Professional recording of name (OCP alone)** | USOD1 | $7,000.00 | $7,000.00 | $7,000 00 | $7,000 00 | $7,000 00 | $7,000 00 | $7,000 00 | $7,000 00 | $7,000 00 |
| **Professional recording of name (DA and OCP alone)** | USOD1 | $7,000.00 | $7,000.00 | $7,000 00 | $7,000 00 | $7,000 00 | $7,000 00 | $7,000 00 | $7,000 00 | $7,000 00 |
| **DRAM or front-end loading, per TOPS switch** | USOD2 | $250 00 | $250 00 | $250.00 | $250 00 | $250 00 | $250 00 | $250 00 | $250 00 | $250 00 |
| **AABS or back-end loading, per IVS** | USOD2 | $225 00 | $225 00 | $225 00 | $225 00 | $225 00 | $225 00 | $225 00 | $225 00 | $225 00 |
| **EBAS or 0- automation loading, per NAV shelf** | USOD2 | $270.00 | $270 00 | $270.00 | $270 00 | $270 00 | $270 00 | $270 00 | $270 00 | $270 00 |
| **Recording Charge per Branded Announcement – Disconnect – Initial** | N/A | $9 61 | NA | NA | NA | NA | NA | NA | NA | NA |

**BELLSOUTH/Z-TEL RATES**
**NETWORK ELEMENTS**
**AND OTHER SERVICES**

| DESCRIPTION | USOC | AL | FL | GA | KY | LA | MS | NC | SC | TN |
|---|---|---|---|---|---|---|---|---|---|---|
| Recording Charge per Branded Announcement – Disconnect – Subsequent | N/A | $9 61 | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | | | | | | | | |
| **INWARD OPERATOR SERVICES** | | | | | | | | | | |
| Verification, per minute | N/A | $1.16 | NA | $0 921083 | NA | $0 86 | $1 14 | $1 15 | $1 15 | NA |
| Verification and Emergency Interrupt, per minute | N/A | $1 16 | NA | $0.921083 | NA | $0 86 | $1 14 | $1 15 | $1 15 | NA |
| Verification, per call | VIL | NA | $0 80 | NA | $1 00 | NA | NA | $0 54 | NA | $0 90 |
| Verification and Emergency Interrupt, per call | N/A | NA | $1.00 | NA | $1 111 | NA | NA | $0 65 | NA | $1 95 |
| DIRECTORY ASSISTANCE SERVICES | | | | | | | | | | |
| Directory Assist Call Completion Access Svc (DACC), per call attempt | N/A | $0.10 | $0 10 | $0 10 | $0 10 | $0 10 | $0 10 | $0 062 | $0 10 | $0 10 |
| Call Completion Access Term charge per completed call | N/A | NA | NA | NA | NA | NA | NA | NA | $0 08 | NA |
| Number Services Intercept per query | N/A | $0 0235 | $0.01 | $0 0097497 | $0 0086 | $0.02 | $0 0188268 | $0 0110 | $0 0124036 | $0 15 |
| Number Services Intercept per Intercept Query Update | N/A | NA | NA | NA | $0 0055 | NA | NA | NA | NA | NA |
| Directory Assistance Access Service Calls, per call | | $0.275 | $0 275 | $0 275 | $0 275 | $0.275 | $0 275 | $0.260000 | $0 275 | $0 275 |
| Professional recording of name (DA alone) | | $3,000.00 | $3,000 00 | $3,000 00 | $3,000 00 | $3,000 00 | $3,000 00 | $3,000 00 | $3,000 00 | $3,000 00 |
| Professional recording of name (DA and OCP alone) | | $7,000 00 | $7,000.00 | $7,000 00 | $7,000 00 | $7,000 00 | $7,000 00 | $7,000 00 | $7,000 00 | $7,000 00 |
| DRAM or front-end loading, per TOPS switch | | $250.00 | $250.00 | $250 00 | $250 00 | $250 00 | $250 00 | $250 00 | $250 00 | $250 00 |
| AABS or back-end loading, per IVS | | $225.00 | $225.00 | $225.00 | $225.00 | $225 00 | $225 00 | $225 00 | $225 00 | $225.00 |
| EBAS or 0- automation loading, per NAV shelf | | $270.00 | $270.00 | $270.00 | $270 00 | $270 00 | $270 00 | $270 00 | $270 00 | $270 00 |
| Recording Charge per Branded Announcement – Disconnect – Initial | N/A | $9.61 | NA | NA | NA | NA | NA | NA | NA | NA |
| Recording Charge per Branded Announcement – Disconnect – Subsequent | N/A | $9.61 | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | | | | | | | | |
| **Directory Transport** | | | | | | | | | | |
| Directory Transport - Local Channel DS1, per month | N/A | $35.52 | $43 64 | $38 36 | $36 32 | $43 83 | $38 91 | $35 68 | $37 20 | $133 81 |
| NRC - 1st | N/A | $503 57 | $242 45 | $356 15 | $637 46 | $339.69 | $494 83 | $534 48 | $534 81 | $868 97 |
| NRC - Add'l | N/A | $442.84 | $226 44 | $312 89 | $546 94 | $298 29 | $435 28 | $462 69 | $462 81 | $486 83 |
| NRC - Disconnect Charge - 1st | N/A | $46.28 | NA | NA | NA | $33 02 | $46 85 | NA | NA | NA |
| NRC - Disconnect Charge - Add'l | N/A | $32.18 | NA | NA | NA | $23 32 | $33 02 | NA | NA | NA |
| NRC - Incremental Charge-Manual Svc Order - NRC - 1st | SOMAN | $61 99 | NA | $44 22 | NA | $42 34 | $59 58 | $86 15 | $87 99 | NA |
| NRC - Incremental Charge-Manual Svc Order - NRC -addl | TBD | NA | NA | NA | NA | NA | NA | $1 77 | NA | NA |
| NRC - Incremental Charge-Manual Svc Order - NRC-Disconnect | SOMAN | $29.27 | NA | NA | NA | $19 48 | $27 41 | NA | $3 11 | NA |
| Directory Transport - Dedicated DS1 Level Interoffice per mile per mo | N/A | $0.6923 | $0.6013 | $0 4523 | $0 45 | $0 78 | $0 6598 | $0 5753 | $0 7598 | $23 00 |
| Directory Transport - Dedicated DS1 Level Interoffice per facility termination per mo | N/A | $79.69 | $99 79 | $78.47 | $55 05 | $93 40 | $74 40 | $71 29 | $94 98 | $90 00 |
| NRC - 1st | N/A | $198.15 | $45 91 | $147 07 | $298.18 | $140 49 | $196 28 | $217.17 | $216 27 | $100 49 |
| NRC - Add'l | N/A | $148.18 | $44.18 | $111 75 | $231 18 | $106 69 | $147 31 | $163 75 | $162 70 | $100 49 |
| NRC Disconnect Charge - 1st | N/A | $25 44 | NA | NA | NA | $20 00 | $26 56 | NA | NA | NA |
| NRC Disconnect Charge Add'l | N/A | $20.42 | NA | NA | NA | $16 34 | $21 61 | NA | NA | NA |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAN | $27.37 | NA | $18.94 | NA | $18.14 | $25 52 | $38 07 | $39 63 | NA |
| NRC Incremental Charge Manual Service Order - Add'l | SOMAN | $27.37 | NA | NA | NA | $18 14 | $25 52 | $38 07 | $39 63 | NA |
| NRC Incremental Charge - Manual Service Order - Disconnect - 1st | SOMAN | $12.97 | NA | NA | NA | $8 06 | $11 34 | NA | NA | NA |
| NRC Incremental Charge - Manual Service Order - Disconnect - Add'l | SOMAN | $12.97 | NA | NA | NA | $8 06 | $11 34 | NA | NA | NA |
| Switched Common Transport per DA Access Service per call | N/A | $0 0003 | $0 0003 | $0 0002906 | $0 000175 | $0 0003274 | $0 0002997 | $0 00020 | $0 000327 | NA |
| Switched Common Transport per DA Access Service per call per mile | N/A | $0.00003 | $0.00001 | $0.0000186 | $0 000004 | $0 0000175 | $0 0000202 | $0 00003 | $0 0000303 | NA |
| Access Tandem Switching per DA Access Service per call | N/A | $0 0023 | $0 00055 | $0 0019152 | $0 000783 | $0 0025257 | $0 0023713 | $0 0021 | $0 0024809 | NA |
| DA Interconnection, per DA Access Service Call | N/A | $0.00269 | NA | $0 00269 | NA | NA | NA | $0 00 | $0 000269 | NA |
| Directory Transport-Installation NRC, per trunk or signaling connection | N/A | | | | | | | | | |
| NRC - 1st | N/A | $260 69 | $206 06 | $204 23 | $501 98 | $195 54 | $257 73 | NA | $407 81 | NA |
| NRC - Add'l | N/A | $5 95 | $4 71 | $4 42 | $13.32 | $4 23 | $5 85 | NA | $11 00 | NA |
| NRC - Disconnect Charge - 1st | N/A | $173 46 | NA | NA | NA | NA | NA | NA | NA | NA |
| NRC - Disconnect Charge - Add'l | N/A | $5 95 | NA | NA | NA | NA | NA | NA | NA | NA |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAN | NA | NA | $44 22 | NA | $130 05 | $171 49 | NA | NA | NA |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAN | NA | NA | NA | NA | $4 23 | $5 85 | NA | NA | NA |
| NRC - Manual Service Order - 1st | TBD | NA | NA | NA | NA | NA | NA | $407 53 | NA | NA |
| NRC - Manual Service Order - Add'l | TBD | NA | NA | NA | NA | NA | NA | $10 98 | NA | NA |
| | | | | | | | | | | |
| **Directory Assistance Database Service (DADS)** | | | | | | | | | | |
| Directory Assistance Database Service charge per listing | N/A | $0.0446 | $0 001 | $0 0445 | $0 0193 | $0 0443 | $0 0447 | $0 04460 | $0 0444 | NA |

**BELLSOUTH/Z-TEL RATES**
**NETWORK ELEMENTS**
**AND OTHER SERVICES**

| DESCRIPTION | USOC | AL | FL | GA | KY | LA | MS | NC | SC | TN |
|---|---|---|---|---|---|---|---|---|---|---|
| **Directory Assistance Database Service, per month** | DBSOF | $128.55 | $100 00 | $95.50 | $120 76 | $90 54 | $126 17 | $126 26 | $127 23 | NA |
| | | | | | | | | | | |
| | | | | | | | | | | |
| **Direct Access to Directory Assistance Service (DADAS)** | | | | | | | | | | |
| **Direct Access to Directory Assistance Service, per month** | DBSDS | $7,055.00 | $5,000 00 | $5,254 00 | $7,235 01 | $4,982 00 | $6,926 00 | $6,930 00 | $6,983 00 | NA |
| **Direct Access to Directory Assistance Service, per query** | DBSDA | $0.0472685 | $0 01 | $0 0469016 | $0 0052 | $0 0460 | $0 0461336 | $0 0456 | $0 0468212 | NA |
| **Direct Access to Directory Assistance Service, svc estab charge** | DBSDE | | | | | | | | | |
| NRC | DBSDE | $1,118.00 | $820 00 | $788.24 | $1,186.94 | $786.82 | $1,097 00 | $1,164 00 | $1,173 00 | NA |
| NRC - Disconnect | DBSDE | $81 83 | NA | NA | NA | NA | NA | NA | NA | NA |
| NRC - Incremental Charge Manual Service Order - 1st | SOMAN | NA | NA | NA | NA | $57 23 | $80 52 | NA | NA | NA |
| | | | | | | | | | | |
| **AIN (Note 4)** | | | | | | | | | | TBD |
| **AIN, per message** | CAM | NA | $0.00004 | NA | NA | NA | NA | NA | NA | NA |
| **AIN - BellSouth AIN SMS Access Service** | CAM | | | | | | | | NA | NA |
| Service Establishment Charge, per state, initial set-up | | | | | | | | | | |
| NRC | CAMSE | $197.49 | NA | $90.25 | NA | $153 31 | $174 03 | $294 77 | $296 16 | NA |
| NRC - Disconnect | CAMSE | $114.22 | NA | NA | NA | $78 06 | $135 96 | NA | NA | NA |
| Port Connection - Dial/Shared Access | | | | | | | | | | |
| NRC | CAMDP | $64.05 | NA | $29 66 | NA | $50 07 | $53 47 | $86 94 | $87 29 | NA |
| NRC - Disconnect | CAMDP | $27.04 | NA | NA | NA | $18 61 | $37 70 | NA | NA | NA |
| Port Connection - ISDN Access | | | | | | | | | | |
| NRC | CAM1P | $64.05 | NA | $29 66 | NA | $50.07 | $53 47 | $86 94 | $87 29 | NA |
| NRC - Disconnect | CAM1P | $27.04 | NA | NA | NA | $18 61 | $37 70 | NA | NA | NA |
| User ID Codes - per User ID Code | | | | | | | | | | |
| NRC | CAMAU | $141.84 | NA | $84 43 | NA | $104 95 | $129 83 | $200 83 | $202 08 | NA |
| NRC - Disconnect | CAMAU | $70.05 | NA | NA | NA | $48 95 | $79 91 | NA | NA | NA |
| Security Card per User ID Code, initial or replacement | | | | | | | | | | |
| NRC | CAMRC | $142.13 | NA | $35.44 | NA | $125 33 | $131 54 | $172 05 | $172 26 | NA |
| NRC - Disconnect | CAMRC | $35.26 | NA | NA | NA | $24 40 | $45 77 | NA | NA | NA |
| Storage, per unit (100Kb) | N/A | $0 0026 | NA | $0.0023 | NA | $0 0029 | $0 0029 | $0 0023 | $0 0028 | NA |
| Session per minute | N/A | $0.0892 | NA | $0 0795604 | NA | $0 10 | $0.0975650 | $0 0791 | $0 0942966 | NA |
| CO Performed Session, per minute | | | | | NA | $1 97 | $2.09 | $2 08 | $2 07 | NA |
| **AIN - BellSouth AIN Toolkit Service** | | | | | | | | | | |
| **AIN, Service Creation Tools** | CAMBP | NA | TBD | NA | NA | NA | NA | NA | NA | NA |
| Service Establishment Charge, per state, initial set up | | | | | | | | | | |
| NRC | BAPSC | $192 69 | NA | $86.74 | NA | $153 25 | $169 31 | $290 05 | $291 41 | NA |
| NRC | BAPSC | $114.22 | NA | NA | NA | $78 05 | $135 96 | NA | NA | NA |
| | | | | | | | | | | |
| | BAPVX | $8,363.00 | NA | $8,348.00 | NA | $8,315 00 | $8,379 00 | $8,363 00 | $8,333 00 | NA |
| | BAPVX | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| per trigger per DN Term Attempt | | | | | | | | | | |
| | BAPTT | $49.64 | NA | $19.13 | NA | $41 08 | $39 30 | $72 76 | $73 02 | NA |
| NRC | BAPTT | $27 04 | NA | NA | NA | $18.60 | $37 70 | NA | NA | NA |
| Trigger Access Charge per trigger per DN, Off-Hook Delay | | | | | | | | | | |
| NRC | BAPTD | $49 64 | NA | $114 80 | NA | $41 08 | $39 30 | $72 76 | $73 02 | NA |
| NRC Disconnect | BAPTD | $27 04 | NA | NA | NA | $18 60 | $37 70 | NA | NA | NA |
| Trigger Access Charge, per trigger, per DN, Off-Hook Immediate | | | | | | | | | | |
| NRC | BAPTM | $49 64 | NA | $19 13 | NA | $41 08 | $39 30 | $72 76 | $73 02 | NA |
| NRC - Disconnect | BAPTM | $27.04 | NA | NA | NA | $18 60 | $37 70 | NA | NA | NA |
| Trigger Access Charge, per trigger, per DN, 10-Digit PODP | | | | | | | | | | |
| NRC | BAPTO | $117 98 | NA | $70 06 | NA | $92 99 | $106 90 | $149 95 | $150 25 | NA |
| NRC - Disconnect | BAPTO | $37 90 | NA | NA | NA | $26 73 | $48 44 | NA | NA | NA |
| Trigger Access Charge, per trigger, per DN, CDP | | | | | | | | | | |
| NRC | BAPTC | $117 98 | NA | $70 06 | NA | $92 99 | $106 90 | $149 95 | $150 25 | NA |
| NRC - Disconnect | BAPTC | $37 90 | NA | NA | NA | $26 73 | $48 44 | NA | NA | NA |
| Trigger Access Charge, per trigger, per DN, Feature Code | | | | | | | | | | |

**BELLSOUTH/Z-TEL RATES**
**NETWORK ELEMENTS**
**AND OTHER SERVICES**

| DESCRIPTION | USOC | AL | FL | GA | KY | LA | MS | NC | SC | TN |
|---|---|---|---|---|---|---|---|---|---|---|
| NRC | BAPTF | $117 98 | NA | $70 06 | NA | $92 99 | $106 90 | $149 95 | $150 25 | NA |
| NRC - Disconnect | BAPTF | $37 90 | NA | NA | NA | $26 73 | $48 44 | NA | NA | NA |
| Query Charge, per query | | $0 024 | NA | $0 0209223 | NA | $0 03 | $0 0256138 | $0 02 | $0 0250662 | NA |
| Type 1 Node Charge, per AIN Toolkit Subscription, per node, per query | | $0.006 | NA | $0.0053137 | NA | $0 0065 | $0 0065161 | $0 005 | $0 0062979 | NA |
| | | | | | | | | | | |
| **SCP Storage Charge, per SMS Access Acct, per 100 Kb** | N/A | $1.63 | NA | $1 46 | NA | $1 79 | $1 79 | $1 45 | $1 73 | NA |
| **Monthly Report - per AIN Toolkit Service Subscription** | BAPMS | $16.00 | NA | $15 96 | NA | $15.89 | $16 01 | $15 98 | $15 93 | NA |
| NRC | BAPMS | $44.56 | NA | $22 64 | NA | $34 61 | $44 02 | $71 80 | $72 15 | NA |
| NRC - Disconnect | BAPMS | $31 84 | NA | NA | NA | $21 97 | $31 28 | NA | NA | NA |
| **Special Study - per AIN Toolkit Service Subscription** | BAPLS | $0.10 | NA | $0 0861109 | NA | $0 08 | $0.0810536 | $0 08 | $0 0872769 | NA |
| NRC | BAPLS | $47.74 | NA | $22 64 | NA | $37 77 | $47 21 | $47 20 | $47 35 | NA |
| NRC - Disconnect | BAPLS | $15.90 | NA | NA | NA | NA | NA | NA | NA | NA |
| **Call Event Report - per AIN Toolkit Service Subscription** | BAPDS | $15.90 | NA | $15 87 | NA | $15 81 | $15 93 | $15 90 | $15 84 | NA |
| NRC | BAPDS | $44.56 | NA | $22 64 | NA | $34 61 | $44 02 | $71 80 | $72 15 | NA |
| NRC - Disconnect | BAPDS | $31.84 | NA | NA | NA | $21 97 | $31 28 | NA | NA | NA |
| **Call Event special Study - per AIN Toolkit Service Subscription** | BAPES | $0.003 | NA | $0.0028704 | NA | $0 0026 | $0 0027018 | $0 003 | $0 0029092 | NA |
| NRC | BAPES | $47.74 | NA | $22 64 | NA | $37 77 | $47 21 | $47 20 | $47 35 | NA |
| NRC - Disconnect | BAPES | $15.90 | NA | NA | NA | $37.77 | NA | NA | NA | NA |
| | | | | | | | | | | |
| **CALLING NAME (CNAM) QUERY SERVICE** | | | | | | | | | | |
| **CNAM (Database Owner), Per Query** | N/A | $0.016 | $0.016 | $0 016 | $0 016 | $0 016 | $0 016 | $0 016 | $0 016 | $0 016 |
| **CNAM (Non-Database Owner), Per Query *** | N/A | $0.01 | $0 01 | $0 01 | $0 01 | $0 01 | $0 01 | $0 01 | $0 01 | $0 01 |
| NRC, applicable when Birch uses the Character Based User Interface (CHUI) | N/A | $595.00 | $595.00 | $595.00 | $595 00 | $595 00 | $595 00 | $595 00 | $595 00 | $595 00 |
| * Volume and term arrangements are also available. | | | | | | | | | | |
| | | | | | | | | | | |
| **SELECTIVE ROUTING (Note 5)** | | | | | | | | | | |
| **Per Line or PBX Trunk, each** | | NA | NA | NA | $10.00 (Interim | NA | NA | NA | NA | TBD |
| NRC | | NA | NA | NA | NA | NA | NA | NA | NA | TBD |
| **Customized routing per unique line class code, per request, per switch** | | | | | | NA | NA | NA | NA | NA |
| NRC | USRCR | $230.60 | $229 65 | $180.62 | $229 65 | $229 65 | $227 99 | $229 65 | $226 22 | $229 65 |
| NRC - Incremental Charge - Manual Service Order | | $25.93 | NA | $18.94 | NA | NA | $253 51 | NA | $27 84 | NA |
| | | | | | | | | | | |
| **VIRTUAL COLLOCATION** | | | | | | | | | | |
| NRC - Virtual Collocation - Application Cost - Manual | TBD | NA | NA | NA | NA | NA | NA | $3,622 00 | NA | NA |
| NRC - Virtual Collocation - Cable Installation Cost per Cable - Manual | TBD | NA | NA | NA | NA | NA | NA | $2,305 00 | NA | NA |
| RC - Virtual Collocation - Floor space per square feet | TBD | NA | NA | NA | NA | NA | NA | $3 45 | NA | NA |
| RC - Virtual Collocation - Floor space power, per ampere | TBD | NA | NA | NA | NA | NA | NA | $6 65 | NA | NA |
| RC - Virtual Collocation - Cable support structure, per entrance cable | TBD | NA | NA | NA | NA | NA | NA | $18 66 | NA | NA |
| **2-wire Cross-Connect** | | | | | | | | | | |
| RC | UEAC2 | $0 28 | $0.524 | $0 30 | $0 31 | $0 26 | $0 3996 | $0 09 | $0 3648 | $0 30 |
| NRC - 1st | UEAC2 | $30.76 | $11 57 | $12.60 | $54 21 | $23 04 | $30 93 | $41 78 | $41 50 | $19 20 |
| NRC - Add'l | UEAC2 | $29.40 | $11 57 | $12 60 | $51 07 | $22 11 | $29 59 | $39 23 | $38 94 | $19 20 |
| NRC - 1st - Manual Service Order | TBD | NA | NA | NA | NA | NA | NA | $4 75 | NA | NA |
| NRC - Add'l - Manual Service Order | TBD | NA | NA | NA | NA | NA | NA | $4 75 | NA | NA |
| NRC - Disconnect - 1st | UEAC2 | $12.75 | NA | NA | NA | $9 48 | $12 76 | NA | NA | NA |
| NRC - Disconnect - Add'l | UEAC2 | $11.38 | NA | NA | NA | $8 54 | $11.43 | NA | NA | NA |
| **4-wire Cross-Connect** | | | | | | | | | | |
| RC | UEAC4 | $0.56 | $0 524 | $0 50 | $0 62 | $0 52 | $0 7992 | $0 18 | $0 7297 | $0 50 |
| NRC - 1st | UEAC4 | $66 71 | $11 57 | $12 60 | $54 23 | $23 23 | $31 17 | $41 91 | $41 56 | $19 20 |
| NRC - Add'l | UEAC4 | $50 43 | $11 57 | $12 60 | $50 96 | $22 24 | $29 77 | $39 25 | $38 90 | $19 20 |
| NRC - 1st - Manual Service Order | TBD | NA | NA | NA | NA | NA | NA | $4 73 | NA | NA |
| NRC - Add'l - Manual Service Order | TBD | NA | NA | NA | NA | NA | NA | $4 73 | NA | NA |
| NRC - Disconnect - 1st | UEAC4 | $12 82 | NA | NA | NA | $9 53 | $12 83 | NA | NA | NA |
| NRC - Disconnect - Add'l | UEAC4 | $11 39 | NA | NA | NA | $8 55 | $11 43 | NA | NA | NA |
| **2-fiber Cross-Connect** | | | | | | | | | | |
| RC | CNC2F | $12 10 | NA | $15.64 | $15 64 | $19 13 | $15 64 | $15 99 | $15 06 | $15 64 |

**BELLSOUTH/Z-TEL RATES**
**NETWORK ELEMENTS**
**AND OTHER SERVICES**

| DESCRIPTION | USOC | AL | FL | GA | KY | LA | MS | NC | SC | TN |
|---|---|---|---|---|---|---|---|---|---|---|
| NRC - 1st | CNC2F | $55.46 | NA | $41 56 | $41 56 | $41 07 | $41 56 | $67 34 | $69 28 | $41 56 |
| NRC - Add'l | CNC2F | $39 18 | NA | $29 82 | $29 82 | $29 63 | $29 82 | $48 55 | $48 89 | $29 82 |
| NRC - Disconnect - 1st | CNC2F | $16 83 | NA | NA | NA | $12 84 | $12 96 | NA | NA | NA |
| NRC - Disconnect - Add'l | CNC2F | $13.27 | NA | NA | NA | $10 29 | $10 34 | NA | NA | NA |
| **4-fiber Cross-Connect** | | | | | | | | | | |
| RC | CNC4F | $21.75 | NA | $28 11 | $28.11 | $34 38 | $28 11 | $28 74 | $27 08 | $28 11 |
| NRC - 1st | CNC4F | $66.71 | NA | $50.53 | $50 53 | $49 81 | $50 53 | $82 35 | $84 07 | $50 53 |
| NRC - Add'l | CNC4F | $50.43 | NA | $38 78 | $38 78 | $38 37 | $38 78 | $63 56 | $63.68 | $38 78 |
| NRC - Disconnect - 1st | CNC4F | $21.86 | NA | NA | NA | $16 75 | $16 97 | NA | NA | NA |
| NRC - Disconnect - Add'l | CNC4F | $18.31 | NA | NA | NA | $14 20 | $14 35 | NA | NA | NA |
| **DS1 Cross-Connects** | | | | | | | | | | |
| RC | TBD | NA | NA | NA | NA | NA | NA | $0 97 | NA | NA |
| NRC - 1st | TBD | NA | NA | NA | NA | NA | NA | $71 02 | NA | NA |
| NRC - Add'l | TBD | NA | NA | NA | NA | NA | NA | $51 08 | NA | NA |
| NRC - Manual Service Order - 1st | TBD | NA | NA | NA | NA | NA | NA | $4 70 | NA | NA |
| NRC - Manual Service Order - Add'l | TBD | NA | NA | NA | NA | NA | NA | $4 70 | NA | NA |
| **DS3 Cross-Connects** | | | | | | | | | | |
| RC | TBD | NA | NA | NA | NA | NA | NA | $12 33 | NA | NA |
| NRC - 1st | TBD | NA | NA | NA | NA | NA | NA | $69 84 | NA | NA |
| NRC - Add'l | TBD | NA | NA | NA | NA | NA | NA | $49 43 | NA | NA |
| NRC - Manual Service Order - 1st | TBD | NA | NA | NA | NA | NA | NA | $4 70 | NA | NA |
| NRC - Manual Service Order - Add'l | TBD | NA | NA | NA | NA | NA | NA | $4 70 | NA | NA |

If no rate is identified in the contract, the rate for the specific service or function will be as set forth in applicable BellSouth tariff or as negotiated by the parties upon request by either party.

1. BellSouth and CLEC shall negotiate rates for this offering. If agreement is not reached within sixty (60) days of the Effective Date, either party may petition the Florida PSC to settle the disputed charge or charges (FL)
2. This rate element is for those states w/o separate rates for 800 calls with 800 No Delivery vs POTS No Delivery and calls with Optional Complex Features vs w/o Optional Complex Features
3. This charge is only applicable where signaling usage measurement or billing capability does not exist
4. Prices for AIN to be determined upon development of mediation device (TN)
5. Prices for Class Codes for Selective Routing shall be determined by the TRA. (TN)

# Attachment 3

# Network Interconnection

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The Parties shall provide interconnection with each other's networks for the transmission and routing of telephone exchange service (local) and exchange access (intraLATA toll and switched access) on the following terms:

1. **Network Interconnection and the Corresponding Bill and Keep Compensation Mechanism**

All negotiated rates, terms and conditions set forth in this Attachment pertain only to the provision of network interconnection between Z-Tel as a Facility Based CLEC and BellSouth where Z-Tel owns and provides its own switching.

1.1 Interconnection is available to both Parties through: (1) delivery of a Party's facilities to a collocation arrangement as defined in this Agreement; or (2) interconnection by one Party via dedicated transport facilities purchased from the other Party. Interconnection may be provided by the Parties at any other technically feasible point through the Bona Fide Request/New Business Request process set out in General Terms and Conditions.

1.2 Interconnection Points

1.2.1 An Interconnection Point (IP) is the physical telecommunications equipment interface that performs the interconnection function for BellSouth and Z-Tel. Each Party is responsible for providing the network on its side of the IP

1.2.2 A Geographically Relevant Interconnection Point (GR-IP) is an IP located within the BellSouth basic local calling area where the Parties have assigned NXXs to provide service to their end users.

1.2.2.1 Z-Tel shall locate at least one GR-IP, in order to exchange Local Traffic between Z-Tel's end users and BellSouth's end users within that basic local calling area. Z-Tel shall establish such GR-IP at the BellSouth local tandem and establish interconnection trunking to each BellSouth end office subtending such local tandem when the actual or reasonably forecasted traffic for such end office meets or exceeds a DS1's worth of traffic. If there is not a BellSouth local tandem, Z-Tel shall establish a GR-IP at a mutually acceptable BellSouth end office and the Parties shall establish interconnection trunking between Z-Tel's end office and the BellSouth end offices serving the basic local calling area.

1.2.2.2 Z-Tel shall establish GR-IP(s) prior to the activation of new NXXs. If Z-Tel fails to establish GR-IP(s) as provided herein, then BellSouth shall bill and Z-Tel shall pay nonrecurring and monthly recurring transport charges

based on the cost-based dedicated interoffice transport rates in Exhibit A. The charges shall be calculated from a designated BellSouth local tandem or end office, pursuant to 1.2.2.1 and within the basic local calling area where Z-Tel has assigned NXXs, to Z-Tel's IP for BellSouth originated traffic from such basic local calling area that is delivered to Z-Tel's IP.

1.2.3. In addition to establishing GR-IP(s) in the LATA where Z-Tel is serving end users, Z-Tel shall establish IP(s) and interconnection trunking at each BellSouth access tandem in the LATA, as follows. To the extent either Party has the capability to measure the amount of traffic between a Z-Tel switching center and a BellSouth access tandem, either Party shall install and retain direct end office trunking sufficient to handle actual or reasonably forecasted traffic volumes, whichever is greater, between a Z-Tel switching center and a BellSouth access tandem where the traffic exceeds or is forecasted to exceed a single DS1 of local traffic per month. Either Party will install additional capacity between such points when overflow traffic between Z-Tel's switching center and BellSouth's access tandem exceeds or is forecasted to exceed a single DS1 of local traffic per month. In the case of one way trunking, additional trunking shall only be required by the Party whose trunking has achieved the preceding usage threshold. This interconnection shall provide for the exchange of traffic between BellSouth and Z-Tel end users in basic local calling areas other than those where Z-Tel is required to establish a GR-IP. It shall also allow Z-Tel to exchange Transit Traffic with third Parties subtending such tandems including Interexchange Carriers with whom Z-Tel shall exchange Switched Access Traffic.

1.2.4 Z-Tel shall fulfill its IP and GR-IP obligations set forth herein by establishing collocation arrangements at the applicable BellSouth tandems or end offices to serve as the IP(s) or GR-IP(s); or if existing BellSouth facilities are in place, by establishing a Virtual IP(s) as defined in Section 1.2.5.

1.2.5 A Virtual IP allows Z-Tel to establish an IP or GR-IP at a BellSouth tandem or end office without providing the physical facilities to and establishing a collocation arrangement within such BellSouth office. In lieu of providing an IP in a collocation arrangement and if existing BellSouth facilities are in place, Z-Tel may choose to designate a Virtual IP and BellSouth shall charge and Z-Tel shall pay the nonrecurring and monthly recurring cost-based dedicated interoffice transport rates from the Virtual IP location to the physical Z-Tel IP location. A Virtual IP arrangement shall be used if collocation within a BellSouth tandem or end office is not feasible.

1.2.5 At any time that Z-Tel establishes a collocation arrangement at a BellSouth local tandem or end office, then either Party may request that such Z-Tel collocation arrangement be established as a GR-IP for the exchange of Local Traffic between Z-Tel's end users and BellSouth end users for that end office, provided the traffic exchanged between BellSouth and Z-Tel exceeds the equivalent of one DS1. Such request and approval shall not be unreasonably withheld or delayed.

1.2.6 To the extent that the Parties have already implemented network interconnection in a LATA, then upon the execution of the terms and conditions of this section, the Parties shall negotiate a mutually acceptable transition process and schedule to implement the IP(s) and GR-IP(s) and any additional trunking in accordance with this section. The transition shall not exceed six (6) months unless otherwise agreed to by the Parties.

1.2.7 Furthermore, the Originating Party must establish direct end office trunking to a Terminating Party's end office (which may have a Tandem routed overflow) if the traffic destined for that end office exceeds the equivalent of one DS1. This refers to trunking only, and does not require the Originating Party to physically provision facilities to the end office, but rather provide a segregated end-office trunk group to the existing IP(s) and/or GR-IP(s) in that LATA.

1.2.8 Should Z-Tel fail to comply with this end office trunking requirement, then the Bill and Keep compensation arrangement set forth in section 1.2.10 shall no longer apply for Z-Tel traffic terminated by BellSouth. Z-Tel shall pay the call transport and termination rates for the elemental functions performed. Notwithstanding the forgoing, in the event Z-Tel has properly forecasted and ordered the required trunking from BellSouth and BellSouth has been unable to provision the ordered trunking, Z-Tel shall not be obligated to pay such reciprocal compensation until BellSouth is able to provide the requested trunking.

1.2.9 Reciprocal compensation for call termination to a port and loop combination provided to Z-Tel by BellSouth as well as the appropriate charges for use of the port and loop combination are described in detail in the call-flow diagrams located on the BellSouth Interconnection website within the product guide for port and loop combinations, incorporated herein by this reference.

1.2.10 Bill and Keep Compensation

**1.2.10.1** Upon the implementation of Sections 1.2.2 [illegible] the Parties shall institute a bill and keep compensation plan under which neither Party will

charge the other Party for call transport and termination compensation for Local and Enhanced Service Provider/Information Service Provider Traffic between the Parties.

1.2.10.2 For purposes of this Attachment, Local Traffic is defined as any telephone call that is originated by an end user of one Party and terminated to an end user of the other Party on that other Party's network within a given LATA. Additionally, Local Traffic includes any intrastate, interLATA call that has been required by an applicable regulatory body to be provided as a local call. IntraLATA calls originated on a 1+ presubscription basis or a casual dialed (101XXXX) basis are not considered Local Traffic. To qualify as Local Traffic for the purposes of this Attachment, the call must have originated from the originating Party's own switch that it uses to provide its local exchange service to its end users.

1.2.10.3 For purposes of this Attachment, Enhanced Service Provider/Information Service Provider Traffic is defined as dial-up switched traffic that is originated by an end user subscriber of one Party, is transmitted to the switched network of the other Party, and is handed off by that other Party to an Enhanced Service Provider Information Service Provider which has been assigned a telephone number or telephone numbers within an NXX or NXXs which are local to the originating end user subscriber. Enhanced Service Provider/Information Service Provider Traffic includes Internet Traffic.

1.2.10.4 Nothing in this Agreement shall be construed to limit either Party's ability to designate the areas within which that Party's end users may make calls which that party rates as "local" in its end users tariffs.

1.2.10.5 Neither Party shall represent access services traffic as Local Traffic.

1.2.10.6 The jurisdiction of a call is determined by its originating and terminating (end-to-end) points. If Z-Tel assigns NPA/NXXs to specific BellSouth rate centers within a LATA and assigns numbers from those NPA/NXXs to Z-Tel end users physically located outside of that LATA, BellSouth traffic originating from within the BellSouth rate center where the NPA/NXX is assigned and terminating to a Z-Tel customer physically located outside of that LATA shall not be deemed Local Traffic.

1.2.10.6.1 To the extent Z-Tel utilizes its NPA/NXXs to collect traffic from BellSouth end users that appears local, but then delivers that traffic to Z-Tel's end users located outside the LATA in which the call originated, Z-Tel shall identify such traffic to BellSouth and compensate BellSouth based on the applicable rates for originating intrastate network access service as reflected in BellSouth's Intrastate Access Service Tariff.

1.2.10.6.2 If Z-Tel does not identify such traffic to BellSouth, to the best of BellSouth's ability BellSouth will determine which whole Z-Tel NPA/NXXs on which to charge the applicable rates for originating intrastate network access service as reflected in BellSouth's Intrastate Access Service Tariff. BellSouth shall make appropriate billing adjustments if Z-Tel can provide sufficient information for BellSouth to determine whether said traffic is Local.

**1.2.10.7** BellSouth shall be compensated for Z-Tel's ordering of trunks and facilities transporting Transit Traffic as well as the elemental functions BellSouth performs in the transport and termination of Z-Tel's Transit Traffic in accordance with this Agreement.

1.2.11 If Z-Tel should fail to establish IP(s) and GR-IP(s) pursuant to this section or if the Parties have been unable to agree upon a schedule for completing a transition from existing arrangements to the arrangements required within this section within thirty (30) days following BellSouth's request, BellSouth shall bill and Z-Tel shall pay nonrecurring and monthly recurring transport charges based on the cost-based dedicated interoffice transport rates in Exhibit A. The charges shall be calculated from: (1) a designated BellSouth local tandem or end office within the basic local calling area, where Z-Tel has assigned NXXs, to Z-Tel's IP for BellSouth originated traffic from such basic local calling area that is delivered to Z-Tel's IP; and (2) each BellSouth access tandem to Z-Tel's IP for BellSouth originated traffic from such basic local calling areas other than where Z-Tel has assigned NXXs.

**2.** Interconnection Trunking Architectures

2.1 BellSouth and Z-Tel shall establish interconnecting trunk groups and trunking architectures between networks including the establishment of one-way and two-way trunks in accordance with the following provisions set forth in this Agreement.

2.2 Any Z-Tel interconnection request that deviates from the trunking architectures as described in this Agreement that affects traffic delivered to Z-Tel from a BellSouth switch that requires special BellSouth switch translations and other network modifications will require Z-Tel to submit a Bona Fide Request/New Business Request via the Bona Fide Request/New Business Request Process set forth in General Terms and Conditions.

2.3 Z-Tel shall assign or home NPA/NXXs on the BellSouth tandems that serve the Exchange Rate Center Areas where the subscribers who use such

NPA/NXXs are located. The specified association between BellSouth tandems and Exchange Rate Centers is defined in the national Local Exchange Routing Guide (LERG). Z-Tel shall enter its NPA/NXX access and/or local tandem homing arrangement into the LERG.

2.4 Switched Access traffic will be delivered to and by IXCs based on Z-Tel's NXX Access Tandem homing arrangement as specified by Z-Tel in the national Local Exchange Routing Guide (LERG).

2.5 All trunk groups will be provisioned as Signaling System 7 (SS7) capable where technically feasible. If SS7 is not technically feasible multi-frequency (MF) protocol signaling shall be used.

2.6 In cases where Z-Tel is also an IXC, the IXC's Feature Group D (FG D) trunk groups must remain separate from the local interconnection trunk groups. These segregated trunk groups may ride the same interconnection facilities between Z-Tel and BellSouth.

2.7 BellSouth Access Tandem Trunking Interconnection Architectures

2.7.1 BellSouth Access Tandem Trunking Interconnection provides intratandem access to subtending end offices.

2.7.2 Basic Trunking Architecture

2.7.2 In this architecture, Z-Tel's originating Local and IntraLATA Toll and originating and terminating Transit Traffic is transported on a single two-way trunk group between Z-Tel and BellSouth access tandem(s) within a LATA. This group carries intratandem Transit Traffic between Z-Tel and Independent Companies, Interexchange Carriers, other CLECs and other network providers with which Z-Tel desires interconnection and has the proper contractual arrangements. This group also carries Z-Tel originated intertandem traffic transiting a single BellSouth access tandem destined to third party tandems such as an Independent Company tandem or other CLEC tandem. BellSouth originated Local and IntraLATA Toll traffic is transported on a single one-way trunk group terminating to Z-Tel. Other trunk groups for operator services, directory assistance, emergency services and intercept may be established if required. The LERG should be referenced for current routing and tandem serving arrangements. The Basic Architecture is illustrated in Exhibit B.

2.7.3 One-Way Trunking Architecture

2.7.4 In this architecture, the Parties interconnect using two one-way trunk groups. One one-way trunk group carries Z-Tel originated local and

intraLATA toll traffic destined for BellSouth end-users. The other one-way trunk group carries BellSouth-originated local and intraLATA toll traffic destined for Z-Tel end-users. A third two-way trunk group is established for Z-Tel's originating and terminating Transit Traffic. This group carries intratandem Transit Traffic between Z-Tel and Independent Companies, Interexchange Carriers, other CLECs and other network providers with which Z-Tel desires interconnection and has the proper contractual arrangements. This group also carries Z-Tel originated intertandem traffic transiting a single BellSouth access tandem destined to third party tandems such as an Independent Company tandem or other CLEC tandem. Other trunk groups for operator services, directory assistance, emergency services and intercept may be established if required. The LERG should be referenced for current routing and tandem serving arrangements. The One-Way Trunking Architecture is illustrated in Exhibit C.

2.7.5 Two-Way Trunking Architecture

2.7.9 The Two-Way Trunking Architecture establishes one two-way trunk group to carry local and intraLATA toll traffic between Z-Tel and BellSouth. Because both Parties' local and intraLATA toll traffic shall utilize the same two-way trunk group, the Parties must mutually agree to use this type of architecture and the trunks shall be jointly provisioned. Z-Tel shall order the two-way trunks using the access service request process after the Parties' joint planning meeting. In addition to the two-way local and intraLATA toll trunk group, a two-way transit trunk group must be established for Z-Tel's originating and terminating Transit Traffic. This group carries intratandem Transit Traffic between Z-Tel and Independent Companies, Interexchange Carriers, other CLECs and other network providers with which Z-Tel desires interconnection and has the proper contractual arrangements. This group also carries Z-Tel originated intertandem traffic transiting a single BellSouth access tandem destined to third party tandems such as an Independent Company tandem or other CLEC tandem. Other trunk groups for operator services, directory assistance, emergency services and intercept may be established if required. The LERG should be referenced for current routing and tandem serving arrangements. Establishment of this architecture does not preclude the Parties from establishing additional one-way trunk groups for its originated local and intrLATA toll within the same Local Calling Area. The Two-Way Trunking Architecture is illustrated in Exhibit D.

2.7.7 Supergroup Trunking Architecture

2.7.8 In the Supergroup Trunking Architecture, the Parties Local and IntraLATA

Toll and Z-Tel's Transit Traffic is exchanged on a single two-way trunk group between Z-Tel and BellSouth. Because both Parties' local and intraLATA toll traffic shall utilize the same two-way trunk group, the Parties must mutually agree to use this type of architecture and the trunks shall be jointly provisioned. Z-Tel shall order the two-way trunks using the access service request process after the Parties' joint planning meeting. In addition, this group carries intratandem Transit Traffic between Z-Tel and Independent Companies, Interexchange Carriers, other CLECs and other network providers with which Z-Tel desires interconnection and has the proper contractual arrangements. This group also carries Z-Tel originated intertandem traffic transiting a single BellSouth access tandem destined to third party tandems such as an Independent Company tandem or other CLEC tandem. Other trunk groups for operator services, directory assistance, emergency services and intercept may be established if required. The LERG should be referenced for current routing and tandem serving arrangements. Establishment of this architecture does not preclude the Parties from establishing additional one-way trunk groups for its originated local and intrLATA toll within the same Local Calling Area. The Supergroup Architecture is illustrated in Exhibit E.

2.7.9 End Office Trunking Interconnection

2.7.9.1 Either Party as an Originating Party may establish interconnection trunking to the other Party's end office(s) for the delivery of the Originating Party's traffic destined for the Terminating Party's end users served by such end-office.

2.7.9.2 When end office trunking is ordered by BellSouth to deliver BellSouth originated traffic to Z-Tel, BellSouth will provide overflow routing through BellSouth access tandems consistent with how BellSouth overflows its own traffic. The overflow will be based on the homing arrangements Z-Tel displays in the LERG. Likewise, if Z-Tel interconnects to a BellSouth end office for delivery of Z-Tel originated traffic, Z-Tel will overflow the traffic through the BellSouth access tandems based on the BellSouth homing arrangements shown in the LERG.

2.7.10 Local Tandem Trunking Interconnection.

2.7.10.1 This interconnection trunking arrangement allows Z-Tel to establish interconnection trunk groups at BellSouth local tandems for: (1) the delivery of Z-Tel-originated local traffic transported and terminated by BellSouth to BellSouth end offices within the local calling area as defined in BellSouth's General Subscriber Services Tariff (GSST), section A3 served by those BellSouth local tandems, and (2) for local transit traffic

transported by BellSouth for third party network providers who have also established interconnection at those BellSouth local tandems.

2.7.10.2 When a specified local calling area is served by more than one BellSouth local tandem, Z-Tel must designate a "home" local tandem for each of its assigned NPA/NXXs and establish trunk connections to such local tandems. Additionally, Z-Tel may choose to establish interconnection trunk groups at the BellSouth local tandems where it has no codes homing but is not required to do so. Z-Tel may deliver local traffic to a "home" BellSouth local tandem that is destined for other BellSouth or third party network provider end offices subtending other BellSouth local tandems in the same local calling area where Z-Tel does not choose to establish interconnection. It is Z-Tel's responsibility to enter its own NPA/NXX local tandem homing arrangements into the Local Exchange Routing Guide (LERG) either directly or via a vendor in order for other third party network providers to determine appropriate traffic routing to Z-Tel's codes. Likewise, Z-Tel shall obtain its routing information from the LERG.

2.7.10.3 Notwithstanding establishing interconnection to BellSouth's local tandems, Z-Tel must establish interconnection trunk groups to BellSouth access tandems within the LATA on which Z-Tel has NPA/NXXs homed for the delivery of Interexchange Carrier Switched Access (SWA) and toll traffic, and traffic to Type 2A CMRS connections located at the access tandems. BellSouth shall not switch SWA traffic through more than one BellSouth access tandem. SWA, Type 2A CMRS or toll traffic routed to the local tandem in error will not be backhauled to the BellSouth access tandem for completion. (Type 2A CMRS interconnection is defined in BellSouth's A35 General Subscriber Services Tariff.)

2.7.10.4 BellSouth's provisioning of local tandem interconnection assumes that Z-Tel has executed the necessary local interconnection agreements with the other third party network providers subtending those local tandems as required by the Act.

## 3. Network Design And Management For Interconnection

3.1 Network Management and Changes. Both Parties will work cooperatively with each other to install and maintain the most effective and reliable interconnected telecommunications networks, including but not limited to, the exchange of toll-free maintenance contact numbers and escalation procedures. Both Parties agree to provide public notice of changes in the information necessary for the transmission and routing of services using its

local exchange facilities or networks, as well as of any other changes that would affect the interoperability of those facilities and networks.

3.2 Interconnection Technical Standards. The interconnection of all networks will be based upon accepted industry/national guidelines for transmission standards and traffic blocking criteria. Interconnecting facilities shall conform, at a minimum, to the telecommunications industry standard of DS-1 pursuant to Bellcore Standard No. TR-NWT-00499. Signal transfer point, Signaling System 7 ("SS7") connectivity is required at each interconnection point. BellSouth will provide out-of-band signaling using Common Channel Signaling Access Capability where technically and economically feasible, in accordance with the technical specifications set forth in the BellSouth Guidelines to Technical Publication, TR-TSV-000905. Facilities of each Party shall provide the necessary on-hook, off-hook answer and disconnect supervision and shall hand off calling number ID (Calling Party Number) when technically feasible.

3.3 Quality of Interconnection. The local interconnection for the transmission and routing of telephone exchange service and exchange access that each Party provides to each other will be at least equal in quality to what it provides to itself and any subsidiary or affiliate, where technically feasible, or to any other Party to which each Party provides local interconnection.

3.4 Network Management Controls. Both Parties will work cooperatively with each other to apply sound network management principles by invoking appropriate network management controls (e.g., call gapping) to alleviate or prevent network congestion.

3.5 Common Channel Signaling. Both Parties will provide LEC-to-LEC Common Channel Signaling ("CCS") to each other, where available, in conjunction with all traffic in order to enable full interoperability of CLASS features and functions except for call return. All CCS signaling parameters will be provided, including automatic number identification ("ANI"), originating line information ("OLI") calling company category, charge number, etc. All privacy indicators will be honored, and each Party will cooperate with each other on the exchange of Transactional Capabilities Application Part ("TCAP") messages to facilitate full interoperability of CCS-based features between the respective networks. Neither Party shall alter the CCS parameters, or be a party to altering such parameters, or knowingly pass CCS parameters that have been altered in order to circumvent appropriate interconnection charges.

3.6 Signaling Call Information. BellSouth and Z-Tel will send and receive 10 digits for local traffic. Additionally, BellSouth and Z-Tel will exchange

the proper call information, i.e. originated call company number and destination call company number, CIC, and OZZ, including all proper translations for routing between networks and any information necessary for billing.

3.7 Forecasting Requirements. The Parties shall exchange technical descriptions and forecasts of their interconnection and traffic requirements in sufficient detail necessary to establish the interconnections required to assure traffic completion to and from all customers in their respective designated service areas. In order for the Parties to provide as accurate reciprocal trunking forecasts as possible to each other, each Party must timely inform the other Party of any known or anticipated events that may affect reciprocal trunking requirements. If either Party is unable to provide such information, The Parties shall provide reciprocal trunking forecasts based only on existing trunk group growth and annual estimated percentage of subscriber line growth.

3.7.1 Both Parties shall meet every six months or at otherwise mutually agreeable intervals for the purpose of exchanging non-binding forecasts of its traffic and volume requirements for the interconnection and network elements provided under this Agreement, in the form and in such detail as agreed by the Parties. The Parties agree that each forecast provided under this Section shall be deemed "Confidential Information" in the General Terms and Conditions – Part A of this Agreement.

3.7.2 The trunk forecast should include trunk requirements for all of the interconnecting trunk groups for the current year plus the next two future years. The forecast meeting between the two companies may be a face-to-face meeting, video conference or audio conference. It may be held regionally or geographically. Ideally, these forecast meetings should be held at least semi-annually, or more often if the forecast is no longer usable. Updates to a forecast or portions thereof should be made whenever the Party providing the forecast deems that the latest trunk requirements exceed the original quantities by 24 trunks or 10%, whichever is greater. Either Party should notify the other Party if they have measurements indicating that a trunk group is exceeding its designed call carrying capacity and is impacting other trunk groups in the network. Also, either Party should notify the other Party if they know of situations in which the traffic load is expected to increase significantly and thus affect the interconnecting trunk requirements as well as the trunk requirements within the other Party's network. The Parties agree that the forecast information provided under this Section shall be deemed "Confidential Information" as set forth in the General Terms and Conditions of this Agreement.

3.7.3 For a non-binding trunk forecast, agreement between the two Parties on the trunk quantities and the timeframe of those trunks does not imply any liability for failure to perform if the trunks are not available for use at the required time.

**4. Local Dialing Parity**

**4.1** BellSouth and Z-Tel shall provide local and toll dialing parity to each other with no unreasonable dialing delays. Dialing parity shall be provided for all originating telecommunications services that require dialing to route a call. BellSouth and Z-Tel shall permit similarly situated telephone exchange service end users to dial the same number of digits to make a local telephone call notwithstanding the identity of the end user's or the called party's telecommunications service provider.

**5 Interconnection Compensation for Traffic Other Than Local and ESP/ISP Traffic as Provided in Section 1.2.10**

5.1 Billing Factors

5.1.1 Percent Local Use. Each Party will report to the other a Percentage Local Usage ("PLU"). The application of the PLU will determine the amount of local minutes to be billed to the other Party. For purposes of developing the PLU, each Party shall consider every local call and every long distance call, excluding intermediary traffic. By the first of January, April, July and October of each year, each Party shall provide a positive report updating the PLU. Requirements associated with PLU calculation and reporting shall be as set forth in BellSouth's Percent Local Use Reporting Guidebook, as it is amended from time to time. Notwithstanding the foregoing, where the terminating Party has message recording technology that identifies the jurisdiction of traffic terminated as defined in this Agreement, such information, in lieu of the PLU factor, shall at the terminating Party's option be utilized to determine the appropriate local usage compensation to be paid.

5.1.2 Percentage Interstate Usage. In the case where Z-Tel desires to terminate its local traffic over or co-mingled on its switched access Feature Group D trunks, Z-Tel will be required to provide a projected Percentage Interstate Usage ("PIU") to BellSouth. All jurisdictional report requirements, rules and regulations for Interexchange Carriers specified in BellSouth's Intrastate Access Services Tariff will apply to Z-Tel. After interstate and intrastate traffic percentages have been determined by use of PIU procedures, the PLU factor will be used for application and billing of local

interconnection. Notwithstanding the foregoing, where the terminating Party has message recording technology that identifies the jurisdiction of traffic terminated as defined in this Agreement, such information, in lieu of the PIU and PLU factor, shall at the terminating Party's option be utilized to determine the appropriate local usage compensation to be paid.

5.1.3 Audits. On thirty (30) days written notice, each Party must provide the other the ability and opportunity to conduct an annual audit to ensure the proper billing of traffic. BellSouth and Z-Tel shall retain records of call detail for a minimum of nine months from which a PLU and/or PIU can be ascertained. The audit shall be accomplished during normal business hours at an office designated by the Party being audited. Audit requests shall not be submitted more frequently than one (1) time per calendar year. Audits shall be performed by a mutually acceptable independent auditory paid for by the Party requesting the audit. The PLU and/or PIU shall be adjusted based upon the audit results and shall apply to the usage for the quarter the audit was completed, to the usage for the quarter prior to the completion of the audit, and to the usage for the two quarters following the completion of the audit. If, as a result of an audit, either Party is found to have overstated the PLU and/or PIU by twenty percentage points (20%) or more, that Party shall reimburse the auditing Party for the cost of the audit.

5.2 8XX Traffic

5.2.1 Compensation for 8XX Traffic. Each Party shall compensate the other pursuant to the appropriate switched access charges, including the database query charge as set forth in the BellSouth intrastate or interstate switched access tariffs.

5.2.2 Records for 8XX Billing. Each Party will provide to the other the appropriate records necessary for billing intraLATA 8XX customers. The records provided will be in a standard EMI format for a fee of $0.013 per record.

5.2.3 8XX Access Screening. BellSouth's provision of 8XX TFD to Z-Tel requires interconnection from Z-Tel to BellSouth 8XX SCP. Such interconnections shall be established pursuant to BellSouth's Common Channel Signaling Interconnection Guidelines and Bellcore's CCS Network Interface Specification document, TR-TSV-000905. Z-Tel shall establish CCS7 interconnection at the BellSouth Local Signal Transfer Points serving the BellSouth 8XX SCPs that Z-Tel desires to query. The terms and conditions for 8XX TFD are set out in BellSouth's Intrastate Access Services Tariff as amended.

5.3 Mutual Provision of Switched Access Service

Switched Access Traffic. Switched Access Traffic is defined in the BellSouth Access Tariff. Therefore, any Public Switched Telephone Network interexchange telecommunications traffic, regardless of transport method or transport protocol used, where the physical location of the calling party and the physical location of the called party are in different LATAs, or are in the same LATA and the Parties' Switched Access services are used for the origination or termination of the call, shall be considered Switched Access Traffic. Z-Tel agrees to properly identify such traffic to BellSouth at the time the call is made using the calling party's ANI and the called party's DNIS.

5.3.1 When Z-Tel's end office switch, subtending the BellSouth Access Tandem switch for receipt or delivery of switched access traffic, provides an access service connection to or from an interexchange carrier ("IXC") by either a direct trunk group to the IXC utilizing BellSouth facilities, or via BellSouth's tandem switch, each Party will provide its own access services to the IXC on a multi-bill, multi-tariff meet-point basis. Each Party will bill its own access services rates to the IXC with the exception of the interconnection charge. The interconnection charge will be billed by the Party providing the end office function. Each party will use the Multiple Exchange Carrier Access Billing (MECAB) system to establish meet point billing for all applicable traffic. Thirty (30)-day billing periods will be employed for these arrangements. The recording Party agrees to provide to the initial billing Party, at no charge, the switched access detailed usage data within no more than sixty (60) days after the recording date. The initial billing Party will provide the switched access summary usage data to all subsequent billing Parties within 10 days of rendering the initial bill to the IXC. Each Party will notify the other when it is not feasible to meet these requirements so that the customers may be notified for any necessary revenue accrual associated with the significantly delayed recording or billing. As business requirements change data reporting requirements may be modified as necessary.

5.3.2 Where either Party has been notified that the other Party has a Billing Guarantee Practice, each Party so notified (the Initial Billing Party or the recording Party) will be held liable for any access revenues which it has caused to be determined unbillable under the guidelines of such Billing Guarantee Practice of the other Party. Each Party will provide complete documentation to the other to substantiate any claim of unbillable access revenues. A negotiated settlement will be agreed upon between the Parties.

5.3.3 Each Party will retain for a minimum period of sixty (60) days, access message detail sufficient to recreate any data which is lost or damaged by

their company or any third party involved in processing or transporting data.

5.3.4 Each Party agrees to recreate the lost or damaged data within forty-eight (48) hours of notification by the other or by an authorized third party handling the data.

5.3.5 Each Party also agrees to process the recreated data within forty-eight (48) hours of receipt at its data processing center.

5.3.6 All claims should be filed with the other Party within 120 days of the receipt of the date of the unbillable usage.

5.3.7 The Initial Billing Party shall keep records of its billing activities relating to jointly-provided Intrastate and Interstate access services in sufficient detail to permit the Subsequent Billing Party to, by formal or informal review or audit, to verify the accuracy and reasonableness of the jointly-provided access billing data provided by the Initial billing Party. Each Party agrees to cooperate in such formal or informal reviews or audits and further agrees to jointly review the findings of such reviews or audits in order to resolve any differences concerning the findings thereof.

5.3.8 Z-Tel agrees not to deliver switched access traffic to BellSouth for termination except over Z-Tel ordered switched access trunks and facilities.

5.4 Transit Traffic Service

5.4.1 BellSouth shall provide tandem switching and transport services for Z-Tel's transit traffic. Transit Traffic is traffic originating on Z-Tel's network that is switched and/or transported by BellSouth and delivered to a third party's network, or traffic originating on a third Party's network that is switched and/or transported by BellSouth and delivered to Z-Tel's network. Rates for local transit traffic shall be the applicable call transport and termination charges as set forth in Exhibit A to this Attachment. Rates for intraLATA toll and Switched Access transit traffic shall be the applicable call transport and termination charges as set forth in BellSouth Interstate or Intrastate Switched Access tariffs. Switched Access transit traffic presumes that Z-Tel's end office is subtending the BellSouth Access Tandem for switched access traffic to and from Z-Tel's end users utilizing BellSouth facilities, either by direct trunks with the IXC, or via the BellSouth Access Tandem. Billing associated with all transit traffic shall be pursuant to Multiple Exchange Carrier Access Billing (MECAB) procedures. Wireless Type 1 traffic shall not be treated as transit traffic from a routing or billing perspective. Wireless Type 2A traffic shall not

be treated as transit traffic from a routing or billing perspective until BellSouth and the Wireless carrier have the capability to properly meet-point-bill in accordance with MECAB guidelines.

5.4.2 The delivery of traffic which transits the BellSouth network and is transported to another carrier's network is excluded from any BellSouth billing guarantees and will be delivered at the rates stipulated in this Agreement to a terminating carrier. BellSouth agrees to deliver this traffic to the terminating carrier; provided, however, that Z-Tel is solely responsible for negotiating and executing any appropriate contractual agreements with the terminating carrier for the receipt of this traffic through the BellSouth network. BellSouth will not be liable for any compensation to the terminating carrier or to Z-Tel. Z-Tel agrees to compensate BellSouth for any charges or costs for the delivery of transit traffic to a connecting carrier on behalf of Z-Tel. Additionally, the Parties agree that any billing to a third party or other telecommunications carrier under this section shall be pursuant to MECAB procedures.

# Basic Trunking Architecture

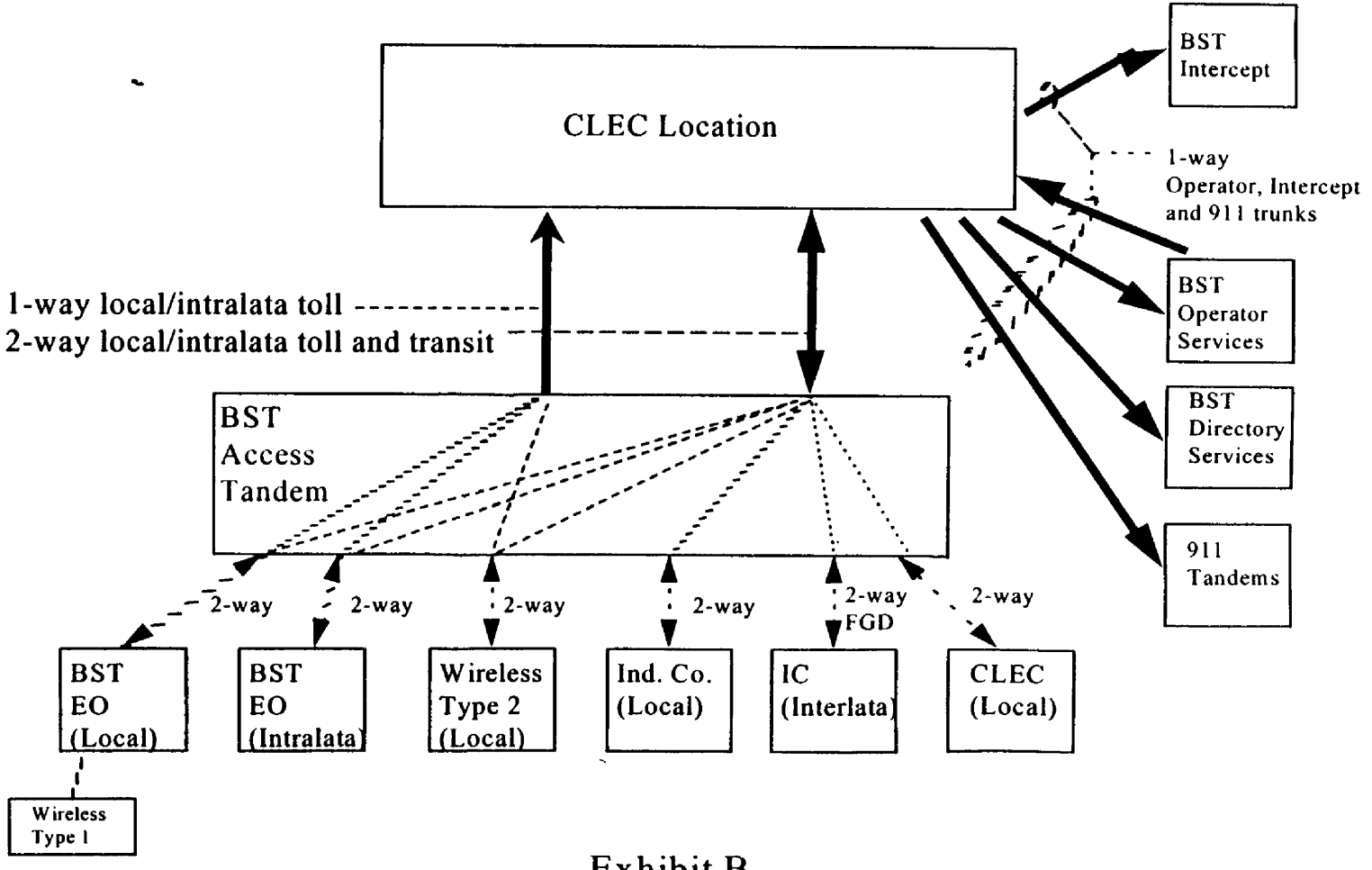


Exhibit B

# One-Way Trunking Architecture

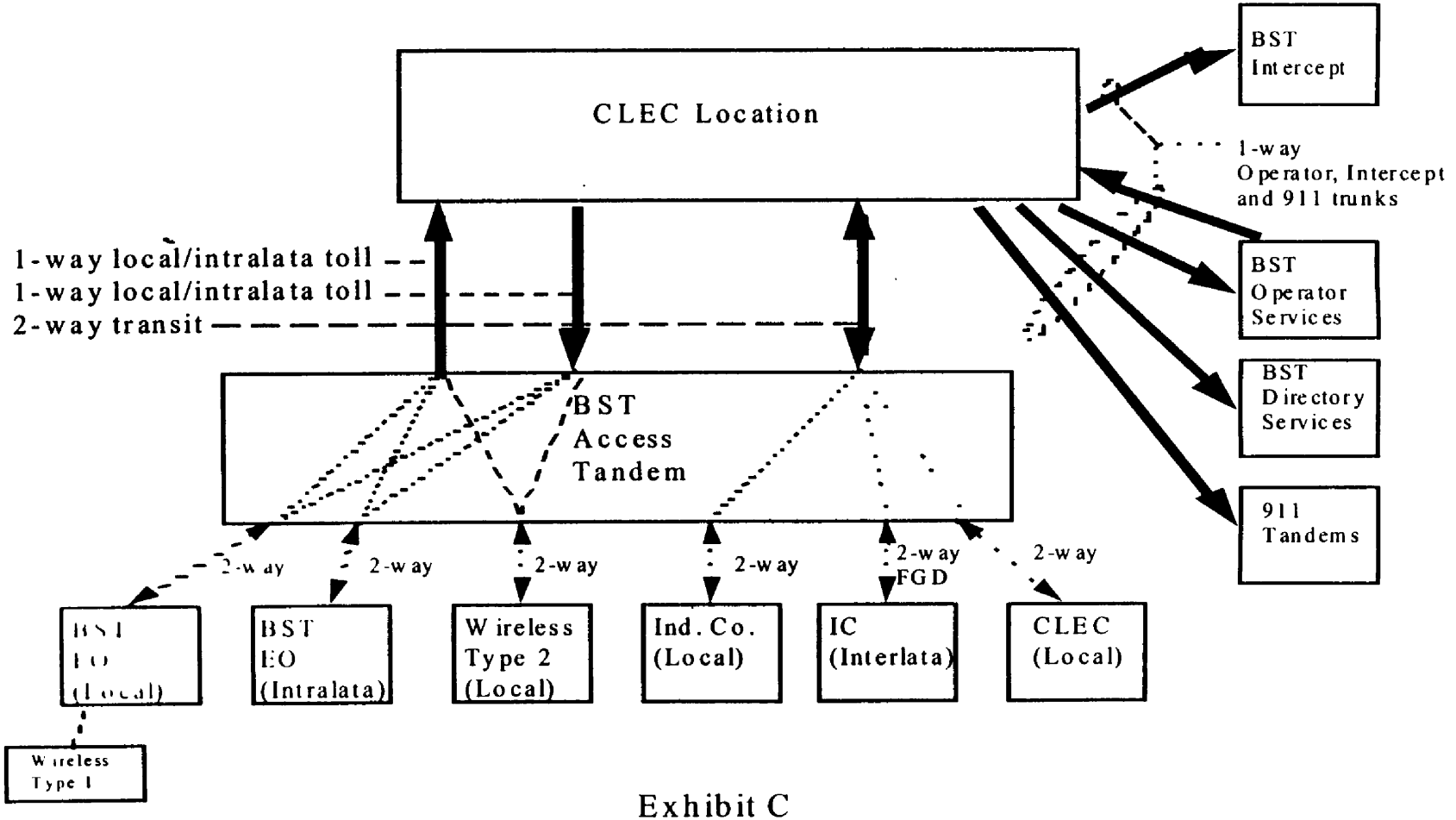


Exhibit C

# Two-Way Trunking Architecture

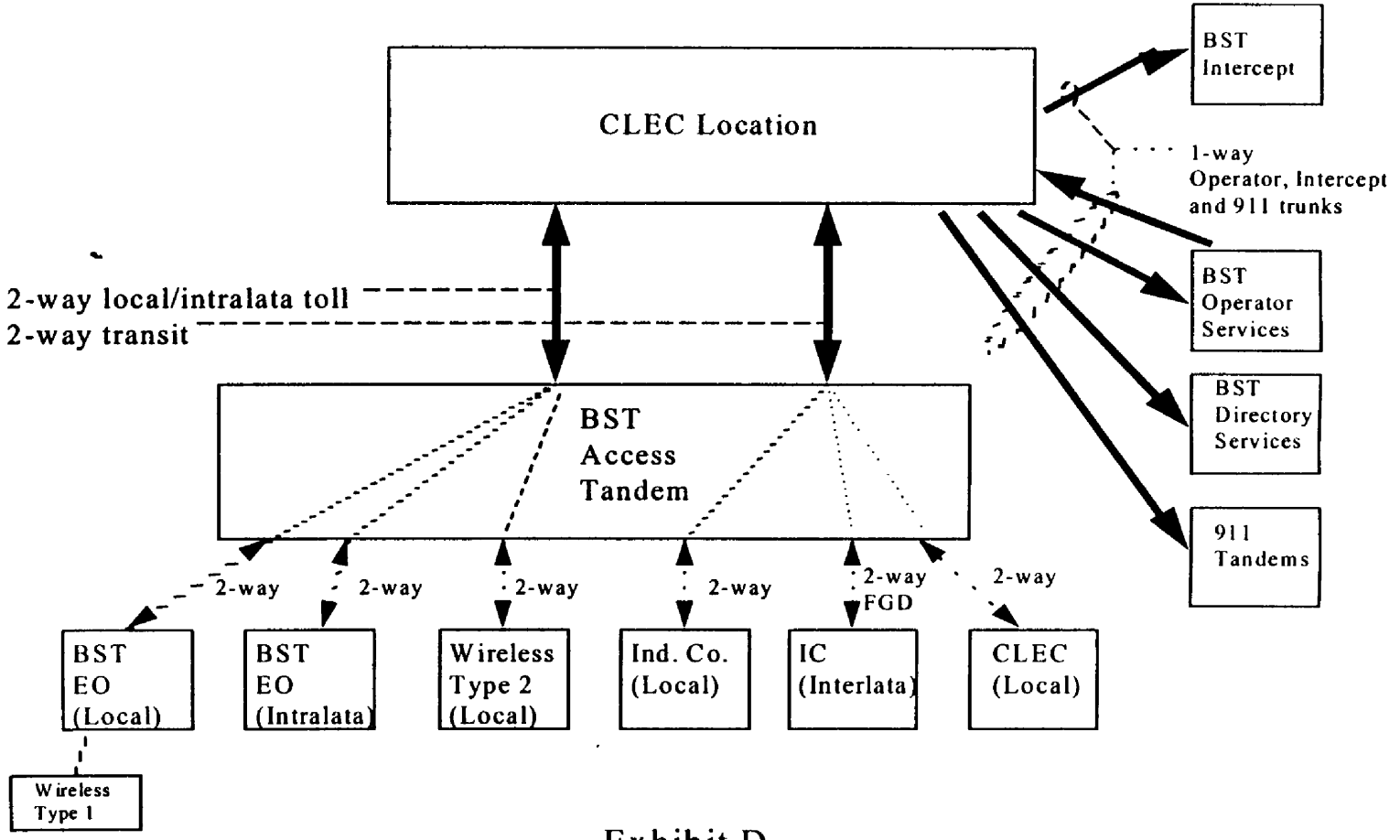


Exhibit D

# SuperGroup Trunking Architecture

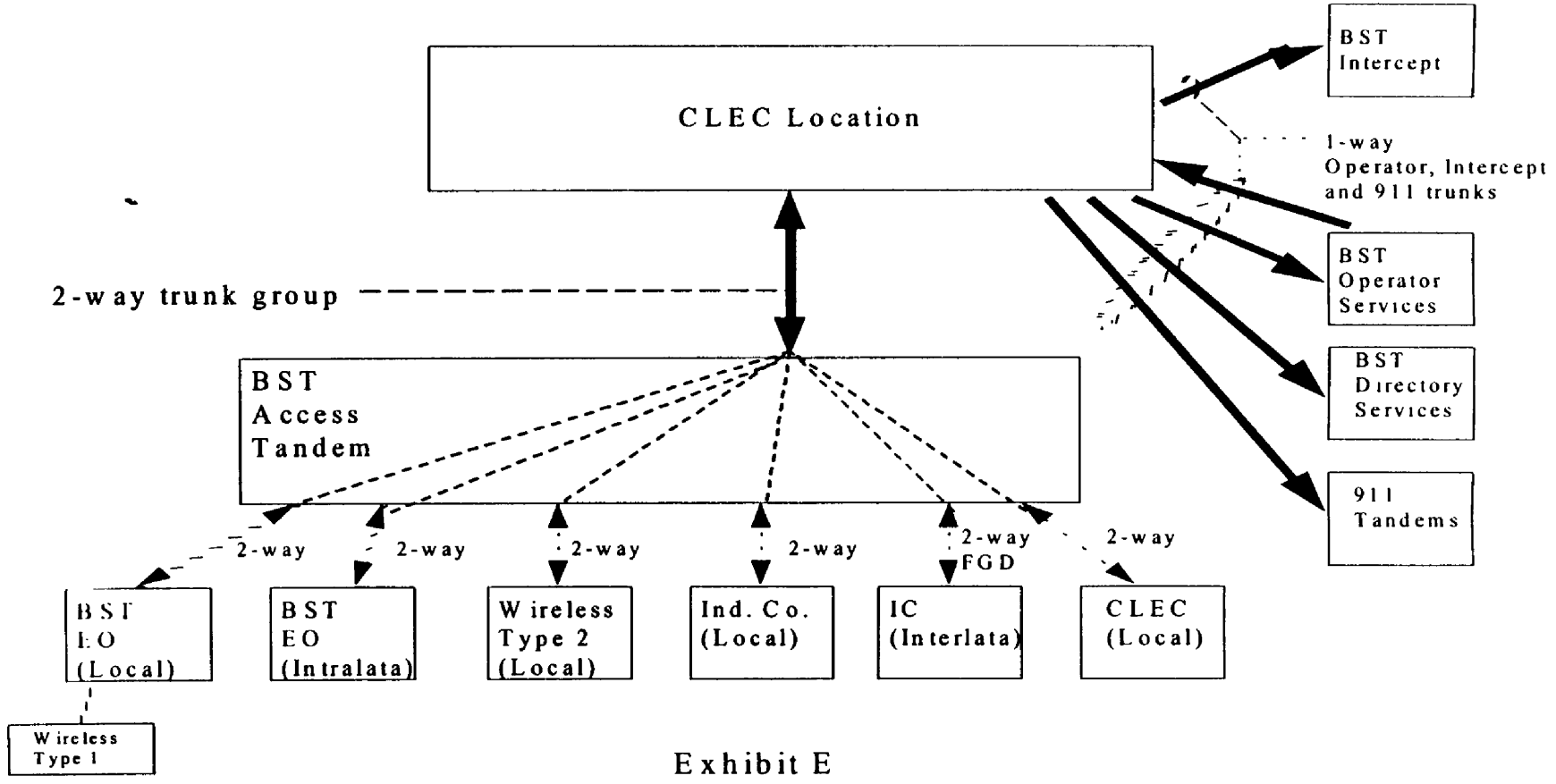


Exhibit E

**BELLSOUTH/Z-TEL RATES**
**LOCAL INTERCONNECTION**

| DESCRIPTION | USOC | RATES BY STATE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | AL | FL | GA | KY | LA | MS | NC | SC | TN |
| **LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)** | | | | | | | | | | |
| End Office Switching, per mou | N/A | $0.0018 | NA | $0 0016333 | $0.002562 | NA | $0 0023771 | $0 0017 | $0 0019295 | $0 0019 |
| Direct Local Interconnection, per mou (same as End Office Switching in FL & LA) | | NA | $0 002 | NA | NA | $0 00209 | NA | NA | NA | NA |
| Tandem Switching, per mou | N/A | $0.00063 | $0 00029 | $0 0006757 | $0 001096 | NA | $0 0007834 | $0 0009 | $0 0006843 | $0 000676 |
| Tandem Switching (assumes 5 miles of transport per mou) | N/A | NA | NA | NA | NA | $0 00430 | NA | NA | NA | NA |
| Tandem Local Interconnection, per mou (includes end office switching element) | | NA | $0 00325 | NA | NA | $0 00639 | NA | NA | NA | NA |
| Multiple Tandem Switching, per mou (applies to initial tandem only), effective 10/99 | | NA | $0.00125 | NA | NA | $0 00430 | NA | NA | NA | NA |
| Local Intermediary, per mou (applies to transit traffic only) | | NA | $0.00125 | NA | NA | $0 00430 | NA | NA | NA | NA |
| Tandem Intermediary Charge, per mou* | N/A | $0.0015 | NA | NA | $0 001096 | NA | NA | NA | NA | NA |
| *(This charge is applicable only to transit traffic and is applied in addition to applicable switching and/or interconnection charges ) | | | | | | | | | | |
| **TRUNK PORT CHARGE** | | | | | | | | | | |
| All terms and conditions, as well as charges, both non-recurring and recurring, associated with interconnecting trunk groups between BellSouth and Birch shall be as set forth in Section E.6 of the appropriate BellSouth intrastate access tariff. At such time as BellSouth develops a cost based rate for such interconnecting trunk groups, the Parties shall amend this agreement to include such cost based rates and shall true up such charges in accordance with this Attachment. | | BST State Access Tariff Rates | BST State Access Tariff Rates | BST State Access Tariff Rates | BST State Access Tariff Rates | BST State Access Tariff Rates | BST State Access Tariff Rates | BST State Access Tariff Rates | BST State Access Tariff Rates | BST State Access Tariff Rates |
| **INTEROFFICE TRANSPORT** | | | | | | | | | | |
| **Common (Shared) Transport** | | | | | | | | | | |
| Common (Shared) Transport per mile per mou | N/A | $0.00001 | $0 000012 | $0 000008 | $0 0000049 | $0 0000083 | $0 0000091 | $0 00001 | $0 0000121 | $0 00004 |
| Common (Shared) Transport Facilities Termination per mou | N/A | $0.00045 | $0.0005 | $0.0004152 | $0.000426 | $0.00047 | $0 0004281 | $0.00034 | $0 0004672 | $0 00036 |
| **Interoffice Channel Transport - Dedicated - VG** | | | | | | | | | | |
| Interoffice Transport - Dedicated - 2-Wire VG - per mile | 1L;5XF | $0.03390 | NA | $0 0222 | NA | $0 0384 | NA | $0 0282 | $0 0373 | $0 0173 |
| Interoffice Transport - Dedicated - 2-Wire VG - facilities termination per month | 1L;5XF | $18.49 | NA | $17 07 | NA | $19 10 | NA | $18 00 | $21 42 | $18 33 |
| NRC - 1st | 1L;5XF | $144.27 | NA | $79 61 | NA | $104 23 | NA | $137 48 | $136 44 | $83 35 |
| NRC - Add'l | 1L;5XF | $54.15 | NA | $36 08 | NA | $39 91 | NA | $52 58 | $51 37 | $20 88 |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAC | $40 34 | NA | $18 94 | NA | $26.20 | NA | $38 07 | $39 63 | $30 15 |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAC | $40 54 | NA | $18 94 | NA | $26 20 | NA | $38 07 | $39 63 | $31 63 |
| **Interoffice Channel Transport - Dedicated - VG - Kentucky & Mississippi** | | | | | | | | | | |
| Interoffice Transport - Dedicated - 2 Wire VG - per mile | 1L5NF | NA | NA | NA | $0 03 | NA | $0 0323 | NA | NA | NA |
| Interoffice Transport - Dedicated - 2 Wire VG - facilities termination per month | 1L5NF | NA | NA | NA | $27 66 | NA | $21 33 | NA | NA | NA |
| NRC - Facility Termination - 1st | 1L5NF | NA | NA | NA | $142 31 | NA | $144 77 | NA | NA | NA |
| NRC - Facility Termination - Add'l | 1L5NF | NA | NA | NA | $56 21 | NA | $56 06 | NA | NA | NA |
| NRC - Incremental Charge--Manual Svc Order - 1st | SOMAC | NA | NA | NA | $37.21 | NA | $36 86 | NA | NA | NA |
| NRC - Incremental Charge--Manual Svc Order - Add'l | SOMAC | NA | NA | NA | $37 21 | NA | $36 86 | NA | NA | NA |
| | | | | | | | | | | |
| | | | | | | | | | | |
| **Interoffice Channel Transport - Dedicated - DS0 - 56/64 KBPS** | | | | | | | | | | |
| Interoffice Transport - Dedicated - DS0 - per mile per month | 1L5XK | $0.0339 | $0.0252 | $0 0222 | NA | $0 0384 | NA | $0 0282 | $0 0373 | $0 17 |
| Interoffice Transport - Dedicated - DS0 - facility termination per month | 1L5XK | $17 81 | $21 33 | $16 45 | NA | $18 37 | NA | $17 40 | $20 71 | $17 74 |
| NRC - 1st | 1L5XK | $144 27 | $137.15 | $79 61 | NA | $104 23 | NA | $137 48 | $136 44 | $83 35 |
| NRC - Add'l | 1L5XK | $54.15 | $64.45 | $36 08 | NA | $39 91 | NA | $52 58 | $51 37 | $20 88 |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAC | $40 34 | NA | $18 94 | NA | $26 20 | NA | $38 07 | $39 63 | $30 15 |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAC | $40 34 | NA | $18 94 | NA | $26 20 | NA | $38 07 | $39 63 | $31 63 |

**BELLSOUTH/Z-TEL RATES**
**LOCAL INTERCONNECTION**

| DESCRIPTION | USOC | RATES BY STATE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | AL | FL | GA | KY | LA | MS | NC | SC | TN |
| **Interoffice Transport - Dedicated - DS0 - 56/64 KBPS - Kentucky & Mississippi** | | | | | | | | | | |
| DS0 - per mile | 1L5NK | NA | NA | NA | $0 03 | NA | $0 0323 | NA | NA | NA |
| DS0 - Facility Termination | 1L5NK | NA | NA | NA | $26.95 | NA | $20 64 | NA | NA | NA |
| NRC - Facility Termination - 1st | 1L5NK | NA | NA | NA | $142 31 | NA | $144.77 | NA | NA | NA |
| NRC - Facility Termination - Add'l | 1L5NK | NA | NA | NA | $56 21 | NA | $56 06 | NA | NA | NA |
| NRC - Incremental Charge--Manual Svc Order - 1st | SOMAC | NA | NA | NA | $37 21 | NA | $36 86 | NA | NA | NA |
| NRC - Incremental Charge--Manual Svc Order - Add'l | SOMAC | NA | NA | NA | $37 21 | NA | $36 86 | NA | NA | NA |
| **Interoffice Channel Transport - Dedicated - DS1** | | | | | | | | | | |
| Interoffice Transport - Dedicated - DS1 - per mile per month | 1L5XL | $0.69 | $0 6013 | $0 4523 | NA | $0 7831 | NA | $0 5753 | $0 7598 | $0 3525 |
| Interoffice Transport - Dedicated - DS1 - facility termination per month | 1L5XL | $79.69 | $99.79 | $78.47 | NA | $93 40 | NA | $71.29 | $94 98 | $75 83 |
| NRC - 1st | 1L5XL | $223.59 | $45 91 | $147 07 | NA | $160 49 | NA | $217 17 | $216 27 | $166 53 |
| NRC - Add'l | 1L5XL | $168.60 | $44 18 | $111 75 | NA | $123 03 | NA | $163.75 | $162 70 | $124 84 |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAC | $40.34 | NA | $18 94 | NA | $26 20 | NA | $38 07 | $39 63 | $30 15 |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAC | $40.34 | NA | $18 94 | NA | $26 20 | NA | $38 07 | $39 63 | $31 63 |
| **Interoffice Channel Transport - Dedicated - DS1 - Kentucky & Mississippi** | | | | | | | | | | |
| Interoffice Transport - Dedicated - DS1 - per mile per month | 1L5NL | NA | NA | NA | $0 45 | NA | $0 6598 | NA | NA | NA |
| Interoffice Transport - Dedicated - DS1 - facilities termination per month | 1L5NL | NA | NA | NA | $55 05 | NA | $74.40 | NA | NA | NA |
| NRC - Facility Termination - 1st | 1L5NL | NA | NA | NA | $298 18 | NA | $222 81 | NA | NA | NA |
| NRC - Facility Termination - Add'l | 1L5NL | NA | NA | NA | $231 23 | NA | $168 92 | NA | NA | NA |
| NRC - Incremental Charge--Manual Svc Order - 1st | SOMAC | NA | NA | NA | NA | NA | $36 83 | NA | NA | NA |
| NRC - Incremental Charge--Manual Svc Order - Add'l | SOMAC | NA | NA | NA | NA | NA | $36 86 | NA | NA | NA |
| **Interoffice Channel Transport - Dedicated - DS3** | | | | | | | | | | |
| Interoffice Transport - Dedicated - DS3 - per mile per month | 1L5XM | $12.56 | $10 22 | $6 53 | NA | $14 04 | NA | $12 98 | $19 08 | $5 89 |
| Interoffice Transport - Dedicated - DS3 - facility termination per month | 1L5XM | $771.60 | $984 55 | $725 53 | NA | $1,101 00 | NA | $720 38 | $960 82 | $760 20 |
| NRC - 1st | 1L5XM | $961 93 | $772 93 | $778 80 | NA | $713 57 | NA | $794 94 | $941 07 | $729 27 |
| NRC - Add'l | 1L5XM | $532.45 | $435.92 | $439 62 | NA | $404.36 | NA | $579 55 | $503 72 | $411 98 |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAC | $100.19 | NA | $77.41 | NA | $71 19 | NA | $91 26 | $92 52 | $75 98 |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAC | $100.19 | NA | $77.41 | NA | $71 19 | NA | $91 26 | $92 52 | $75 98 |
| **Interoffice Channel Transport - Dedicated - DS3 - Kentucky & Mississippi** | | | | | | | | | | |
| Interoffice Channel Transport - Dedicated - DS3 - per mile | | | | | | | | | | |
| Interoffice Transport - Dedicated - DS3 - facility termination per month | 1L5NM | NA | NA | NA | $12 62 | NA | $15 02 | NA | NA | NA |
| NRC - 1st - Facility Termination - 1st | 1L5NM | NA | NA | NA | $1,204 00 | NA | $744 38 | NA | NA | NA |
| NRC - 1st - Facility Termination - Add'l | 1L5NM | NA | NA | NA | $946 23 | NA | $812 30 | NA | NA | NA |
| NRC - Incremental Charge--Manual Svc Order - 1st | SOMAC | NA | NA | NA | $516 89 | NA | $596 55 | NA | NA | NA |
| NRC - Incremental Charge--Manual Svc Order - Add'l | SOMAC | NA | NA | NA | $93.12 | NA | $64 97 | NA | NA | NA |
| | | | | | | | | | | |
| **Local Channel - Dedicated** | | | | | | | | | | |
| **Local Channel - Dedicated - 2-Wire VG** | | | | | | | | | | |
| Monthly Recurring | TEFV2 | $14 61 | $18 02 | $13.91 | $22 26 | $14 94 | $17 83 | $14 82 | $16 83 | $19 02 |
| NRC - 1st | TEFV2 | $572 46 | $477 33 | $382 95 | $597 14 | $401 17 | $565 31 | $553 80 | $554 00 | $254 14 |
| NRC - Add'l | TEFV2 | $92 07 | $124.32 | $62 40 | $110 52 | $66 35 | $93 30 | $86 69 | $88 58 | $28 96 |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAC | $45 12 | NA | $18 94 | $41 46 | $29 54 | $41 57 | $42 17 | $43 75 | $33 65 |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAC | $18 73 | NA | $8.42 | NA | $19 46 | $27 39 | $12 76 | $13 55 | $23 84 |
| **Local Channel - Dedicated - 4-Wire VG** | | | | | | | | | | |
| Monthly Recurring | TEFV4 | $15.77 | $19 01 | $14 99 | $23 38 | $16 21 | $19 03 | $15 87 | $18 05 | $20 14 |
| NRC - 1st | TEFV4 | $581.14 | $477.33 | $368 44 | $585 15 | $407 11 | $573 83 | $562 23 | $562 46 | $257 05 |
| NRC - Add'l | TEFV4 | $95 21 | $124 32 | $64 05 | $98 53 | $68 61 | $96 40 | $92 67 | $91 57 | $30 34 |

**BELLSOUTH/Z-TEL RATES**
**LOCAL INTERCONNECTION**

| DESCRIPTION | USOC | RATES BY STATE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | AL | FL | GA | KY | LA | MS | NC | SC | TN |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAC | $45.12 | NA | $18.94 | $98 53 | $29 54 | $41 57 | $42 17 | $43 64 | $33 65 |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAC | $18.73 | NA | $8 42 | $11 99 | $19 46 | $27 39 | $12 76 | $13 55 | $23 84 |
| **Local Channel - Dedicated - DS1** | | | | | | | | | | |
| Monthly Recurring | TEFHG | $35 52 | $44.35 | $38.36 | $43.80 | $43 80 | $38 91 | $35 68 | $37 20 | $40 27 |
| NRC - 1st | TEFHG | $549.85 | $246.50 | $356.15 | $538.95 | $396 86 | $588 53 | $534 48 | $534 81 | $343 71 |
| NRC - Add'l | TEFHG | $475.02 | $230.49 | $312 89 | $464.94 | $342 92 | $501.32 | $462 69 | $462 81 | $277 86 |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAC | $91.22 | NA | $44.22 | $87.71 | $61 82 | $81 30 | $86 15 | $87 99 | $23 51 |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAC | NA | NA | NA | NA | NA | NA | $1.77 | $3 11 | $21 75 |
| **Local Channel - Dedicated – DS3** | | | | | | | | | | |
| Monthly Recurring | TEFHJ | $559 98 | $630 65 | $558 51 | $697 89 | $696 07 | $533.33 | $498 87 | $602 18 | $633 15 |
| NRC - 1st | TEFHJ | $1,106.14 | $879 42 | $882.03 | $1,091 00 | $811 30 | $569 08 | $562 25 | $1,091 00 | $829 52 |
| NRC - Add'l | TEFHJ | $676 66 | $542 41 | $545 85 | $661 23 | $502 09 | $534 58 | $527 88 | $654 13 | $512 23 |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAC | $100.19 | NA | $77 41 | $93 12 | $71 19 | $56 84 | $56.25 | $92 52 | $75 98 |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAC | $100 19 | NA | $77 41 | $93 12 | $71.19 | $56 84 | $56 25 | $92 52 | $53 03 |
| **CHANNELIZATION** | | | | | | | | | | |
| DS3 Channelization (DS3 to DS1) | | | | | | | | | | |
| per Channelized System per month | SATCS | $210 87 | $213 22 | $173.51 | $236 32 | $245 84 | $229.30 | $226 81 | $204 07 | $225 59 |
| NRC - 1st | SATCS | $355.25 | $280.12 | $284.43 | $425 41 | $259 76 | $356 80 | $351 95 | $423 77 | $265 08 |
| NRC - Add'l | SATCS | $245.86 | $196.07 | $199 98 | $303 33 | $182 64 | $247 40 | $243 76 | $295 21 | $185 94 |
| NRC -1sr - Disconnect | SATCS | $78 43 | $64 06 | $66 76 | NA | $60.96 | $79 94 | $77.90 | NA | $61 09 |
| NRC -Add'l - Disconnect | SATCS | $63.70 | $52.60 | $55.25 | NA | $50.46 | $65 20 | $63 32 | NA | $50 31 |
| NRC - Channel System - Incremental Cost - Manual Svc. Order -1st | SOMAC | $28.44 | NA | $21 61 | $41 47 | $19 74 | $26 95 | $28.13 | $43 41 | $21 71 |
| NRC - Channel System - Incremental Cost - Manual Svc. Order - Add'l | SOMAC | $13 47 | NA | $9.61 | NA | $8 77 | $11 98 | $13 33 | $15 36 | $10 46 |
| NRC - Channel System - Incremenatl Cost - Manual Svc. Order - Disconnect - 1st | SOMAC | $18.46 | NA | $13.61 | NA | $12 43 | $16 97 | $18 26 | NA | $14 21 |
| NRC - Channel System - Incremenatl Cost - Manual Svc. Order - Disconnect - Add | SOMAC | $1.50 | NA | NA | NA | NA | NA | $1 48 | NA | $1 46 |
| per Interface per month | SATCO | $4.53 | $6.31 | $7.13 | $8 52 | $7.55 | $5 58 | $4 61 | $9 69 | $3 91 |
| NRC [illegible] | SATCO | $15.85 | $13 39 | $13 45 | $15 86 | $12.29 | $15 85 | $15 76 | $15 54 | $12 61 |
| NRC Add'l | SATCO | $11.35 | $9 59 | $9.63 | $11.36 | $8 80 | $11 35 | $11 28 | $11 13 | $9 03 |
| DS1 Channelization [illegible] | | | | | | | | | | |
| per Channelized System per month | SATC1 | $139.58 | $163.88 | $137 97 | $200 01 | $209 87 | $146 87 | $177 72 | $179 81 | $165 21 |
| NRC [illegible] | SATC1 | $269.98 | $208.64 | $212.01 | $302 82 | $193 63 | $271 52 | $267 19 | $304 00 | $197 21 |
| NRC Add'l | SATC1 | $163.04 | $126.61 | $129 60 | $184 20 | $118 37 | $164 56 | $161 43 | $178 92 | $119 99 |
| NRC [illegible] Disconnect | SATC1 | $34.88 | $26 42 | $28 95 | NA | $26 44 | $36 38 | $34 55 | NA | $25 66 |
| NRC Add'l Disconnect | SATC1 | $21.32 | $15 95 | $18 43 | NA | $16.83 | $22 82 | $21 14 | NA | $15 81 |
| NRC Channel System - Incremental Cost - Manual Svc Order -1st | SOMAC | $28.44 | NA | $21 61 | $41 47 | $19 74 | $26 95 | $28 13 | $43 41 | $21 71 |
| NRC Channel System - Incremental Cost - Manual Svc. Order -Add'l | SOMAC | $13.47 | NA | $9 61 | $11 99 | $8 77 | $11 98 | $13 33 | $15 36 | $10 46 |
| NRC Channel System - Incremental Cost - Manual Svc Order - Disconnect -1st | SOMAC | $18.46 | NA | $13 61 | NA | $12 43 | $16 97 | $18 26 | NA | $14 21 |
| NRC - Channel System - Incremental Cost - Manual Svc. Order - Disconnect -Add | SOMAC | $1.50 | NA | NA | NA | NA | NA | $1 48 | NA | $1 46 |
| DS1 Channization Interfaces | | | | | | | | | | |
| per OCU-DP(data) card per month(2.4-64kbps) | SATSA | $2 61 | $3 13 | $2.65 | $2 94 | $3 12 | $2 86 | $2 88 | $3 36 | $2 46 |
| NRC - 1st | SATSA | $15 85 | $13 39 | $13.45 | $15 86 | $12 29 | $15 85 | $15 76 | $15 54 | $12 61 |
| NRC - Add'l | SATSA | $11 35 | $9 59 | $9 63 | $11 36 | $8 80 | $11 35 | $11 28 | $11 13 | $9 03 |
| per VG card per month | SATSA | $1 26 | $1.78 | $1 48 | $1 40 | $1 62 | $1 45 | $1 64 | $1 93 | $1 25 |
| NRC - 1st | SATSA | $15 85 | $13.39 | $13 45 | $15 86 | $12 29 | $15 85 | $15 76 | $15 54 | $12 61 |
| NRC - Add'l | SATSA | $11.35 | $9.59 | $9.63 | $11 36 | $8 80 | $11 35 | $11 28 | $11 13 | $9 03 |
| **Local Interconnection Mid-Span Meet** | | | | | | | | | | |
| **Local Channel - Dedicated - DS1** | | | | | | | | | | |

**BELLSOUTH/Z-TEL RATES**
**LOCAL INTERCONNECTION**

| DESCRIPTION | USOC | RATES BY STATE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | AL | FL | GA | KY | LA | MS | NC | SC | TN |
| DS1 Monthly Recurring per month | TEFHG | $17.76 | $22 18 | $19 18 | $21 90 | $21 90 | $19 46 | $17 85 | $18 60 | $20 14 |
| NRC - DS1 - 1st | TEFHG | $251.79 | $123 25 | $178 08 | $269 48 | $174 28 | $247 42 | $268 83 | $267 41 | $138 68 |
| NRC - DS1 - Add'l | TEFHG | $221.42 | $115.25 | $156 45 | $232 47 | $150 15 | $217 64 | $232 73 | $231 41 | $116 63 |
| NRC - DS1 - Disconnect Chg - 1st | TEFHG | $23.14 | NA | NA | NA | $12 08 | $23 43 | NA | NA | $16 59 |
| NRC - DS1 - Disconnect Chg - Add'l | TEFHG | $16 09 | NA | NA | NA | $10 66 | $16.51 | NA | NA | $11 15 |
| NRC - DS1 - Incremental Charge--Manual Svc Order - 1st | SOMAC | $61.95 | NA | $44 22 | $87 71 | $42 34 | $59 58 | $623 92 | $87 99 | $45 68 |
| NRC - DS1 - Incremental Charge--Manual Svc Order - Add'l | SOMAC | $0.00 | NA | NA | NA | NA | NA | $467 22 | $3 11 | $1 76 |
| NRC - DS1 - Incremental Charge--Manual Svc Order-Disconnect | SOMAC | $29.27 | NA | NA | NA | $19.48 | $27 51 | NA | NA | $21 75 |
| | | | | | | | | | | |
| NOTES: | | | | | | | | | | |
| | | | | | | | | | | |
| If no rate is identified in the contract, the rate for the specific service or function will be as set forth in applicable BellSouth tariff or as negotiated by the parties upon request by either party | | | | | | | | | | |

# Attachment 4

# Physical Collocation

**BELLSOUTH**
**PHYSICAL COLLOCATION**

**1. Scope of Attachment**

1.1 Scope of Attachment. The rates, terms, and conditions contained within this Attachment shall only apply when Z-Tel is occupying the Collocation Space as a sole occupant or as a Host within a Premises location pursuant to Section 4.

1.1.1 Definitions:

1.1.1.1 BellSouth Certified Supplier: Any supplier that successfully completes BellSouth's engineering and installation certification process as outlined in BellSouth IP-73167. Once a supplier is designated as a certified engineering and installation supplier and continues to perform at the standards specified in the IP, no further approval is required. Subsequent changes in the qualification requirements may be added by mutual agreement of the Parties and with reasonable notice. Z-Tel, as a qualified Collocator may elect to proceed through BellSouth's certification process for collocation installations at no cost as of the date this agreement is signed and notification to BellSouth's Quality Assurance group.

1.1.1.2 "Eligible Structure" or BellSouth "Premises": Eligible Structure and BellSouth "Premises", as used in this attachment, refers to BellSouth's central offices and serving wire centers. Section 1.2 addresses other BellSouth locations.

1.1.1.3 Legitimately Exhausted: Denotes when all unused space available for physical collocation is exhausted or completely occupied in an Eligible Structure. BellSouth has regularly scheduled intervals for the removal of obsolete unused equipment; however, Z-Tel may request BellSouth to expedite the removal of obsolete unused equipment to increase the amount of space available for collocation. Such removal of the equipment shall be considered an extraordinary condition and shall be subject to provisioning intervals which govern such conditions. In making this determination, BellSouth may reserve space for it's equipment for a growth period of two years, or other period if determined by the state commission. BellSouth may not reserve space for future use on terms more favorable than those that apply to other telecommunication carriers seeking to reserve collocation space for their own future use.

All the negotiated rates, terms and conditions set forth in this Attachment pertain to collocation and the provisioning of Collocation Space.

1.2 Right to occupy. BellSouth shall offer to Z-Tel collocation on rates, terms, and conditions that are just, reasonable, non-discriminatory and consistent with the rules of the Federal Communications Commission ("FCC"). Subject to Section 4 of this Attachment, BellSouth hereby grants to Z-Tel a right to occupy that certain area designated by BellSouth within a BellSouth Eligible Structure of a size which is

specified by Z-Tel and agreed to by BellSouth (hereinafter "Collocation Space"). Upon request from either Party, rates, terms and conditions applicable to locations other than central offices and serving wire centers shall be negotiated. Prior to denying a collocation Application, due to space exhaust, BellSouth shall consider any unused space within the BellSouth Premises. The size specified by Z-Tel may contemplate a request for space sufficient to accommodate Z-Tel's growth within a two year period.

1.1.1 Space Reclamation. In the event of space exhaust within a Central Office Premises, BellSouth may include in its documentation for the Petition for Waiver filing any unused space in the Central Office Premises. Z-Tel will be responsible for any justification of unused space within its space, only if such justification is required by the appropriate state commission.

1.2 Use of Space. Z-Tel shall use the Collocation Space only for the purposes of installing, maintaining and operating Z-Tel's equipment (to include testing and monitoring equipment) used or useful to interconnect with BellSouth services and facilities, including access to unbundled network elements, for the provision of telecommunications services. Pursuant to Section 5 following, Z-Tel may at its option, place Z-Tel-owned fiber entrance facilities to the Collocation Space. In addition to, and not in lieu of, interconnection to BellSouth services and facilities, Z-Tel may connect to other interconnectors within the designated BellSouth Premises (including to its other virtual or physical collocated arrangements) through co-carrier cross connect facilities designated by Z-Tel pursuant to section 5.6 following.

1.3 Rates and charges. Z-Tel agrees to pay the rates and charges identified in Exhibit A attached hereto.

## 2 Space Notification

2.1 Availability of Space. Upon submission of an application pursuant to Section 6, BellSouth will permit Z-Tel to physically collocate, pursuant to the terms of this Attachment, at any BellSouth Premises, as long as there is space available and physical collocation is technically feasible. BellSouth will respond to an application within ten (10) business days as to whether space is available or not available within a BellSouth Premises. If the amount of space requested is not available, BellSouth will notify Z-Tel of the amount of space that is available.

2.1 Reporting. Upon request from Z-Tel, BellSouth will provide a written report ("Space Availability Report") specifying the amount of Collocation Space available at the Premises requested, the number of collocators present at the Premises, any modifications in the use of the space since the last report on the Premises requested and the measures BellSouth is taking to make additional space available for collocation arrangements.

2.1.1 The request from Z-Tel for a Space Availability Report must be written and must include the Premises and Common Language Location Identification ("CLLI") code of the Premises. Such information regarding Premises and CLLI code is located in the National Exchange Carriers Association (NECA) Tariff FCC No. 4.

2.1.2 BellSouth will provide a Space Availability Report in response to a request for a particular Premises within ten (10) business days of receipt of such request. BellSouth will make best efforts to respond in ten (10) business days to such a request when the request includes from two (2) to five (5) Premises within the same state. The response time for requests of more than five (5) Premises shall be negotiated between the Parties.

2.2 Denial of Application. After notifying Z-Tel that BellSouth has no available space in the requested Premises ("Denial of Application"), BellSouth will allow Z-Tel, upon request, to tour the Premises within ten (10) business days of such Denial of Application. In order to schedule said tour within ten (10) business days, the request for a tour of the Premises must be received by BellSouth within five (5) business days of the Denial of Application.

2.3 Filing of Petition for Waiver. Upon Denial of Application BellSouth will timely file a petition with the Commission pursuant to 47 U.S.C. § 251(c)(6).

2.4 Waiting List. On a first-come, first-served basis governed by the date of receipt of an application or Letter of Intent, BellSouth will maintain a waiting list of requesting carriers who have either received a Denial of Application or, where it is publicly known that the Premises is out of space, have submitted a Letter of Intent to collocate. BellSouth will notify the telecommunications carriers on the waiting list whose request can be accommodated in whole or in part when space becomes available according to how much space becomes available and the position of telecommunications carrier on said waiting list. Z-Tel must submit an updated, complete, and correct application to BellSouth within 30 business days or notify BellSouth in writing that Z-Tel wants to maintain its place on the waiting list either without accepting such space or accepting an amount of space less than its original request. If Z-Tel does not submit such an application or notify BellSouth in writing as described above, BellSouth will offer such space to the next CLEC on the waiting list and remove Z-Tel from the waiting list. Upon request, BellSouth will advise Z-Tel as to its position on the list within 5 days of the request.

2.5 Public Notification. BellSouth will maintain on its Interconnection Services website a notification document that will indicate all Central Offices that are without available space. BellSouth shall update such document within ten (10) business days of the date the premises runs out of physical collocation space. BellSouth will also post a document on its Interconnection Services website that contains a general notice where space has become available in a Central Office previously on the space exhaust list. BellSouth shall allocate said available space pursuant to the waiting list referenced in Section 2.5.

2.6 State Agency Procedures. Notwithstanding the foregoing, should any state regulatory agency impose procedures or intervals different than procedures or intervals set forth in this section, whether now in effect or that become effective after execution of this Agreement, those procedures or intervals shall supersede the requirements set forth herein for all application submitted for the first time after the effective date thereof.

## 3 Collocation Options

3.1 Cageless. In accordance and compliance with local building code, BellSouth shall allow Z-Tel to collocate Z-Tel's equipment and facilities without requiring the construction of a cage or similar structure. BellSouth shall allow Z-Tel to have direct access to its equipment and facilities but may require Z-Tel to use a central entrance to the BellSouth Premises. BellSouth shall make cageless collocation available in single bay increments pursuant to Section 7. Except where Z-Tel's equipment requires special technical considerations (e.g., special cable racking, isolated ground plane), BellSouth shall assign cageless Collocation Space in conventional equipment rack lineups where technically feasible. For equipment requiring special technical considerations, Z-Tel must provide the equipment layout, including spatial dimensions for such equipment pursuant to generic requirements contained in BellCore (Telcordia) GR-63-Core and shall be responsible for constructing all special technical requirements associated with such equipment pursuant to Section 6.5 following.

3.2 Cages and Adjacent Arrangement Enclosures. At Z-Tel's option and upon request, BellSouth shall construct enclosures in compliance with Z-Tel's collocation request and in accordance and compliance with local building code. At Z-Tel's request, BellSouth shall permit Z-Tel to subcontract the construction of physical collocation arrangements with a contractor certified by BellSouth ("BellSouth Certified Contractor"), provided however, that BellSouth shall not unreasonably withhold approval of contractors.

3.2.1 When Z-Tel subcontracts the construction, Z-Tel must arrange with a BellSouth Certified Contractor to construct a collocation arrangement enclosure in accordance with BellSouth's guidelines and specifications and at Z-Tel's sole expense. Upon request, BellSouth will provide Z-Tel Telecom guidelines and specifications that are reasonable in nature, and make available a list of currently approved vendors. BellSouth shall provide Z-Tel with reasonable notice prior to changing the guidelines, via the Interconnection Services website. Where local building codes require enclosure specifications more stringent than BellSouth's standard enclosure specification, Z-Tel and Z-Tel's BellSouth Certified Contractor must comply with local building code requirements. Z-Tel's BellSouth Certified Contractor shall be responsible for filing and receiving any and all necessary permits and/or licenses for such construction. BellSouth shall cooperate with Z-Tel and provide, at Z-Tel's expense, the documentation, including architectural drawings, necessary for Z-Tel to obtain the zoning, permits and/or other licenses. BellSouth shall pass on to Z-Tel the

costs of providing the documentation. The BellSouth Certified Contractor shall bill Z-Tel directly for all work performed for Z-Tel pursuant to this Attachment and BellSouth shall have no liability for nor responsibility to pay such charges imposed by the BellSouth Certified Contractor. Z-Tel must provide the local BellSouth building contact with two Access Keys used to enter the locked enclosure. Except in case of emergency, BellSouth will not access Z-Tel's locked enclosure prior to notifying Z-Tel. If BellSouth enters Z-Tel's locked enclosure in an emergency situation, BellSouth will notify Z-Tel of such entry as soon as reasonably possible after the emergency has been cleared.

3.2.2 BellSouth has the right to review Z-Tel's plans and specifications prior to allowing construction to start. Such plans and specifications shall be submitted with or before the submission of the Bona Fide Firm Order by Z-Tel. BellSouth will complete its review of such plans and specifications within 15 calendar days after receipt of the Bona Fide Firm Order if the right to review is exercised. BellSouth has the right to inspect the enclosure after construction to make sure it is designed and constructed according to BellSouth's guidelines and specifications and to require Z-Tel to remove or correct at Z-Tel's cost any structure that does not meet the standards.

3.3 Shared (Subleased) Caged Collocation. Z-Tel may allow other telecommunications carriers to share Z-Tel's caged collocation arrangement pursuant to terms and conditions agreed to by Z-Tel ("Host") and other telecommunications carriers ("Guests") and pursuant to this section in accordance and compliance with local building code, except where the BellSouth Premises is located within a leased space and BellSouth is prohibited by said lease from offering such an option. Z-Tel shall notify BellSouth in writing upon execution of any agreement between the Host and its Guest within ten (10) business days of its execution and prior to any Firm Order for the Guest. Further, such notice shall include the name of the Guest(s) and the term of the agreement, and shall contain a certification by Z-Tel that said agreement imposes upon the Guest(s) the same terms and conditions for Collocation Space as set forth in this Attachment between BellSouth and Z-Tel.

3.3.1 Z-Tel shall be the sole interface and responsible Party to BellSouth for the purpose of submitting applications for initial and additional equipment placements of Guest; for assessment of rates and charges contained within this Attachment; and for the purposes of ensuring that the safety and security requirements of this Attachment are fully complied with by the Guest, its employees and agents. In the event the Host and Guest jointly submit an initial Application, only one Application Fee will be assessed. A separate initial Guest application shall require the assessment of a Subsequent Application Fee, as set forth in Exhibit A, if this application is not the initial application made for the arrangement. Notwithstanding the foregoing, Guest may arrange directly with BellSouth for the provision of the interconnecting facilities between BellSouth and Guest and for the provision of the services and access to unbundled network elements.

3.3.2 Z-Tel shall indemnify and hold harmless BellSouth from any and all claims, actions, causes of action, of whatever kind or nature arising out of the presence of Z-Tel's Guests in the Collocation Space except to the extent caused by BellSouth's negligence, gross negligence, or willful misconduct.

3.4 Adjacent Collocation. BellSouth will provide adjacent collocation arrangements ("Adjacent Arrangement") where space within the Premises is legitimately exhausted, subject to technical feasibility, where the Adjacent Arrangement does not interfere with access to existing or documented planned structures or facilities on the Premises property and where permitted by zoning and other applicable state and local regulations. The Adjacent Arrangement shall be constructed or procured by Z-Tel and in conformance with BellSouth's design and construction specifications. Further, Z-Tel shall construct, procure, maintain and operate said Adjacent Arrangement(s) pursuant to all of the terms and conditions set forth in this Attachment. Rates shall be negotiated at the time of the request for the Adjacent Arrangement.

3.4.1 Should Z-Tel elect such option, Z-Tel must arrange with a BellSouth Certified Contractor to construct an Adjacent Arrangement structure in accordance with BellSouth's guidelines and specifications. Upon request, BellSouth will provide Z-Tel Telecom guidelines and specifications that are reasonable in nature, and make available a list of currently approved vendors. Where local building codes require enclosure specifications more stringent than BellSouth's standard specification, Z-Tel and Z-Tel's BellSouth Certified Contractor must comply with local building code requirements. Z-Tel's BellSouth Certified Contractor shall be responsible for filing and receiving any and all necessary zoning, permits and/or licenses for such construction. Z-Tel's BellSouth Certified Contractor shall bill Z-Tel directly for all work performed for Z-Tel pursuant to this Attachment and BellSouth shall have no liability for nor responsibility to pay such charges imposed by the BellSouth Certified Contractor. Z-Tel must provide the local BellSouth building contact with two cards, keys or other access device used to enter the locked enclosure. Except in cases of emergency, BellSouth shall not access Z-Tel's locked enclosure prior to notifying Z-Tel. If BellSouth enters Z-Tel's locked enclosure in an emergency situation, BellSouth will notify Z-Tel of such entry as soon as reasonably possible after the emergency has been cleared.

3.4.2 BellSouth maintains the right to review Z-Tel's plans and specifications prior to construction of an Adjacent Arrangement(s) which shall be submitted with or before the submission of the Bona Fide Firm Order by Z-Tel. BellSouth will complete its review of such guidelines and specifications within 15 calendar days after receipt of the Bona Fide Firm Order if the right to review is exercised. BellSouth may inspect the Adjacent Arrangement(s) following construction and prior to the Commencement Date, as defined in Section 4.1 following, to ensure the design and construction comply with reasonable safety and maintenance requirements and specifications. BellSouth may require Z-Tel, at Z-Tel's sole cost, to correct any deviations from reasonable safety and maintenance guidelines and specifications found during such inspection(s), up to and including removal of the Adjacent Arrangement, within five

(5) business days of BellSouth's inspection, unless the Parties mutually agree to an alternative time frame.

3.4.3 Z-Tel shall provide a concrete pad, the structure housing the arrangement, heating/ventilation/air conditioning ("HVAC"), lighting, and all facilities that connect the structure (i.e. racking, conduits, etc.) to the BellSouth point of interconnection. At Z-Tel's option, and where the local authority having jurisdiction permits, BellSouth shall provide an AC power source and access to physical collocation services and facilities subject to the same nondiscriminatory requirements as applicable to any other physical collocation arrangement. Z-Tel's BellSouth Certified Contractor shall be responsible for filing and receiving any and all necessary zoning, permits and/or licenses for such arrangement.

3.4.4 BellSouth shall allow Shared (Subleased) Caged Collocation within an Adjacent Arrangement pursuant to the terms and conditions set forth in Section 3.3 preceding.

## 4. Occupancy

4.1 Commencement Date. The "Commencement Date" shall be the day Z-Tel's equipment becomes operational as described in Article 4.2, following.

4.1 Occupancy. BellSouth will notify Z-Tel in writing that the Collocation Space is ready for occupancy. Z-Tel must notify BellSouth in writing that collocation equipment installation is complete and is operational with BellSouth's network. BellSouth may, at its option, not accept orders for interconnected service until receipt of such notice. For purposes of this paragraph, Z-Tel's telecommunications equipment will be deemed operational when cross-connected to BellSouth's network for the purpose of service provision.

4.2 Termination. Except where otherwise agreed to by the Parties, Z-Tel may terminate occupancy in a particular Collocation Space upon thirty (30) business days prior written notice to BellSouth. Upon termination of such occupancy, Z-Tel at its expense shall remove its equipment and other property from the Collocation Space. Unless otherwise agreed, Z-Tel shall have thirty (30) business days from the termination date to complete such removal, including the removal of all equipment and facilities of Z-Tel's Guests; provided, however, that Z-Tel shall continue payment of monthly fees to BellSouth until such date as Z-Tel has fully vacated the Collocation Space. Should Z-Tel or Z-Tel's Guest fail to vacate the Collocation Space within thirty (30) business days from the termination date, BellSouth shall have the right to remove the equipment and other property of Z-Tel or Z-Tel's Guest at Z-Tel's expense and with no liability for damage or injury to Z-Tel or Z-Tel's Guest's property unless caused by the gross negligence or intentional misconduct of BellSouth. Upon expiration of this Attachment with respect to a Collocation Space, Z-Tel shall surrender such Collocation Space to BellSouth in the same condition as when first occupied by the Z-Tel except for ordinary wear and tear unless otherwise

agreed to by the Parties. Z-Tel shall be responsible for the cost of removing any enclosure, together with all support structures (e.g., racking, conduits), of an Adjacent Collocation arrangement at the termination of occupancy and restoring the grounds to their original condition.

## 5 Use of Collocation Space

5.1 Equipment Type. BellSouth permits the collocation of any type of equipment necessary for interconnection to BellSouth's network or for access to unbundled network elements in the provision of telecommunications services. Such equipment includes, but is not limited to, transmission equipment including, but not limited to, optical terminating equipment and multiplexers, and digital subscriber line access multiplexers, routers, asynchronous transfer mode multiplexers, and remote switching modules. Nothing in this section requires BellSouth to permit collocation of equipment used solely to provide enhanced services; provided, however, that BellSouth may not place any limitations on the ability of requesting carriers to use all the features, functions, and capabilities of equipment collocated pursuant to this section.

5.1.1 Such equipment must at a minimum meet the following BellCore (Telcordia) Network Equipment Building Systems (NEBS) General Equipment Requirements: Criteria Level 1 requirements as outlined in the BellCore (Telcordia) Special Report SR-3580, Issue 1; equipment design spatial requirements per GR-63-CORE, Section 2; thermal heat dissipation per GR-063-CORE, Section 4, Criteria 77-79; acoustic noise per GR-063-CORE, Section 4, Criterion 128, and National Electric Code standards. BellSouth may not object to the collocation of equipment on the grounds that the equipment does not comply with safety or engineering standards that are more stringent than the safety or engineering standards that BellSouth applies to its own equipment. BellSouth may not object to the collocation of equipment on the ground that the equipment fails to comply with National Equipment and Building Specifications performance standards. If BellSouth denies collocation of Z-Tel Telecom's equipment citing safety standards, BellSouth must provide to Z-Tel Telecom within five business days of the denial a list of all equipment that BellSouth locates within the premises in question, together with an affidavit attesting that all of that equipment meets or exceeds the safety standard that BellSouth contends Z-Tel Telcom's equipment fails to meet.

5.1.2 Z-Tel shall not use the Collocation Space for marketing purposes nor shall it place any identifying signs or markings in the area surrounding the Collocation Space or on the grounds of the Premises.

5.1.3 Z-Tel shall place a plaque or other identification affixed to Z-Tel's equipment necessary to identify Z-Tel's equipment, including a list of emergency contacts with telephone numbers.

5.2 Entrance Facilities. Z-Tel may elect to place Z-Tel-owned or Z-Tel-leased fiber entrance facilities into the Collocation Space. BellSouth will designate the point of entrance in close proximity to the Premises building housing the Collocation Space, such as an entrance manhole or a cable vault which are physically accessible by both Parties. Z-Tel will provide and place fiber cable at the point of entrance of sufficient length to be pulled through conduit and into the splice location. Z-Tel will provide and install a sufficient length of fire retardant riser cable, to which the entrance cable will be spliced, which will extend from the splice location to Z-Tel's equipment in the Collocation Space. In the event Z-Tel utilizes a non-metallic, riser-type entrance facility, a splice will not be required. Z-Tel must contact BellSouth for instructions prior to placing the entrance facility cable in the manhole. Z-Tel is responsible for maintenance of the entrance facilities. At Z-Tel's option BellSouth will accommodate where technically feasible a microwave entrance facility pursuant to separately negotiated terms and conditions.

5.2.1 Dual Entrance. BellSouth will provide at least two interconnection points at each Premises where there are at least two such interconnection points available and where capacity exists. Upon receipt of a request for physical collocation under this Attachment, BellSouth shall provide Z-Tel with information regarding BellSouth's capacity to accommodate dual entrance facilities. If conduit in the serving manhole(s) is available and is not reserved for another purpose for utilization within 12 months of the receipt of an application for collocation, BellSouth will make the requested conduit space available for installing a second entrance facility to Z-Tel's arrangement. The location of the serving manhole(s) will be determined at the sole discretion of BellSouth. Where dual entrance is not available due to lack of capacity, BellSouth will so state in the Application Response.

5.2.2 Shared Use. Z-Tel may utilize spare capacity on an existing interconnector entrance facility for the purpose of providing an entrance facility to another Z-Tel collocation arrangement within the same BellSouth Premises. Z-Tel must arrange with BellSouth for BellSouth to splice the utilized entrance facility capacity to Z-Tel-provided riser cable.

5.3 Splicing in the Entrance Manhole. Although not generally permitted, should Z-Tel request a splice to occur in the entrance manhole(s), BellSouth, at its sole discretion, may grant such a request. When the request for a splice is granted to Z-Tel by BellSouth, Z-Tel shall ensure its employees or agents entering and/or performing work in the entrance manhole(s) are trained and comply with BellSouth procedures and OSHA requirements regarding access to manholes and that BellSouth personnel are notified and present for all entrances and work performed in the entrance manhole(s). Manhole covers shall be properly closed and secured at the conclusion of entry and/or work. Advance notification to BellSouth shall occur at a minimum of 48 hours prior to desired entry for normal work activities and at a minimum of 2 hours prior to desired entry in an out of service condition.

5.4 Demarcation Point. BellSouth will designate the point(s) of interconnection between Z-Tel's equipment and/or network and BellSouth's network. Each Party will be responsible for maintenance and operation of all equipment/facilities on its side of the demarcation point. For 2-wire and 4-wire connections to BellSouth's network, the demarcation point shall be a common block on the BellSouth designated conventional distributing frame. Z-Tel shall be responsible for providing, and a supplier certified by BellSouth ("Z-Tel's BellSouth Certified Supplier") shall be responsible for installing and properly labeling/stenciling, the common block, and necessary cabling pursuant to Section 6.4. For all other terminations BellSouth shall designate a demarcation point on a per arrangement basis. Z-Tel or its agent must perform all required maintenance to equipment/facilities on its side of the demarcation point, pursuant to Section 5.5, following, and may self-provision cross-connects that may be required within the Collocation Space to activate service requests. At Z-Tel's option and expense, a Point of Termination ("POT") bay or frame may be placed in the Collocation Space, but will not serve as the demarcation point. Z-Tel must make arrangements with a BellSouth Certified Supplier for such placement.

5.5 Z-Tel's Equipment and Facilities. Z-Tel, or if required by this Attachment, Z-Tel's BellSouth Certified Supplier, is solely responsible for the design, engineering, installation, testing, provisioning, performance, monitoring, maintenance and repair of the equipment and facilities used by Z-Tel. Such equipment and facilities may include but are not limited to Z-Tel's cable(s); equipment; and point of termination connections.

5.6 Co-carrier cross-connect. In addition to, and not in lieu of, obtaining interconnection with, or access to, BellSouth's telecommunications services, unbundled network elements, and facilities, Z-Tel may directly connect to other interconnectors within the designated BellSouth Premises (including to its other virtual or physical collocated arrangements) through facilities owned by Z-Tel or through BellSouth facilities designated by Z-Tel, at Z-Tel's option. Such connections to other cross-connects may be made using either optical or electrical facilities. Z-Tel may deploy such optical or electrical connections directly between its own facilities and the facilities of other interconnector(s) without being routed through BellSouth equipment.

5.6.1 If Z-Tel requests a co-carrier cross-connect after the initial installation, Z-Tel must submit an application. The applicable nonrecurring fee in Exhibit A shall apply in lieu of any application fee. Z-Tel must use a BellSouth Certified Supplier to place the co-carrier cross-connect, except in cases where Z-Tel's equipment and the equipment of the other interconnector are located within contiguous Collocation Spaces. In cases where Z-Tel's equipment and the equipment of the other interconnector are located in contiguous Collocation Spaces, Z-Tel will have the option to deploy the co-carrier cross connects between the sets of equipment. Cable support charges shall be assessed per linear foot of support structure used.

5.7 BellSouth's Access to Collocation Space. From time to time BellSouth may require access to the Collocation Space. BellSouth retains the right to access such space for the purpose of making BellSouth equipment and building modifications (e.g., running, altering or removing racking, ducts, electrical wiring, HVAC, and cables). BellSouth will give reasonable notice to Z-Tel when cess to the Collocation Space is required. Z-Tel may elect to be present whenever BellSouth performs work in the Collocation Space. The Parties agree that Z-Tel will not bear any of the expense associated with this work.

5.8 Access. Pursuant to Section 11, Z-Tel shall have access to the Collocation Space twenty-four (24) hours a day, seven (7) days a week. Z-Tel agrees to provide the name and social security number or date of birth or driver's license number of each employee, contractor, or agents of Z-Tel or Z-Tel's Guests provided with access keys or cards ("Access Keys") prior to the issuance of said Access Keys. Access Keys shall not be duplicated under any circumstances. Z-Tel agrees to be responsible for all Access Keys and for the return of all said Access Keys in the possession of Z-Tel employees, contractors, Guests, or agents after termination of the employment relationship, contractual obligation with Z-Tel or upon the termination of this Attachment or the termination of occupancy of an individual collocation arrangement.

5.8.1 Lost or Stolen Access Keys. Z-Tel shall notify BellSouth in writing immediately in the case of lost or stolen Access Keys. Should it become necessary for BellSouth to re-key buildings or deactivate a card as a result of a lost Access Key(s) or for failure to return an Access Key(s), Z-Tel shall pay for all reasonable costs associated with the re-keying or deactivating the card.

5.9 Interference or Impairment. Notwithstanding any other provisions of this Attachment, Z-Tel shall not use any product or service provided under this Agreement, any other service related thereto or used in combination therewith, or place or use any equipment or facilities in any manner that 1) significantly degrades, interferes with or impairs service provided by BellSouth or by any other entity or any person's use of its telecommunications service; 2) endangers or damages the equipment, facilities or other property of BellSouth or of any other entity or person; 3) compromises the privacy of any communications; or 4) creates an unreasonable risk of injury or death to any individual or to the public. If BellSouth reasonably determines that any equipment or facilities of Z-Tel violates the provisions of this paragraph, BellSouth shall give written notice to Z-Tel, which notice shall direct Z-Tel to cure the violation within forty-eight (48) hours of Z-Tel's actual receipt of written notice or, at a minimum, to commence curative measures within 24 hours and to exercise reasonable diligence to complete such measures as soon as possible thereafter. After receipt of the notice, the Parties agree to consult immediately and, if necessary, to inspect the arrangement.

Except in the case of the deployment of an advanced service which significantly degrades the performance of other advanced services or traditional voice band services, if Z-Tel fails to take curative action within 48 hours or if the violation is of a

character which poses an immediate and substantial threat of damage to property, injury or death to any person, or any other significant degredation, interference or impairment of BellSouth's or another entity's service, then and only in that event BellSouth may take such action as it deems appropriate to correct the violation, including without limitation the interruption of electrical power to Z-Tel's equipment. BellSouth will endeavor, but is not required, to provide notice to Z-Tel prior to taking such action and shall have no liability to Z-Tel for any damages arising from such action, except to the extent that such action by BellSouth constitutes gross negligence and willful misconduct.

For purposes of this section 5.9, the term significantly degrade shall mean an action that noticeably impairs a service from a user's perspective. In the case of the deployment of an advanced service which significantly degrades the performance of other advanced services or traditional voice band services and Z-Tel fails to take curative action within 48 hours then BellSouth will establish before the commission that the technology deployment is causing the significant degradation. Any claims of network harm presented to Z-Tel or, if subsequently necessary, the commission must be supported with specific and verifiable information. Where BellSouth demonstrates that a deployed technology is significantly degrading the performance of other advanced services or traditional voice band services, Z-Tel shall discontinue deployment of that technology and migrate its customers to technologies that will not significantly degrade the performance of other such services. Where the only degraded service itself is a known disturber, and the newly deployed technology satisfies at least one of the criteria for a presumption that is acceptable for deployment under section 47 C.F.R. 51.230, the degraded service shall not prevail against the newly-deployed technology.

5.10 Personalty and its Removal. Subject to requirements of this Attachment, Z-Tel may place or install in or on the Collocation Space such facilities and equipment, including storage for spare equipment, as it deems desirable for the conduct of business, provided that such equipment is telecommunications equipment, does not violate floor loading requirements, nor imposes or could impose or contains or could contain environmental conditions or hazards. Personal property, facilities and equipment placed by Z-Tel in the Collocation Space shall not become a part of the Collocation Space, even if nailed, screwed or otherwise fastened to the Collocation Space, but shall retain their status as personalty and may be removed by Z-Tel at any time. Any damage caused to the Collocation Space by Z-Tel's employees, agents or representatives during the removal of such property shall be promptly repaired by Z-Tel at its expense.

5.11 Alterations. In no case shall Z-Tel or any person acting on behalf of Z-Tel make any rearrangement, modification, improvement, addition, repair, or other alteration which could affect in any way space, power, HVAC, and/or safety considerations to the Collocation Space or the BellSouth Premises without the written consent of BellSouth, which consent shall not be unreasonably withheld. The cost of any such specialized alterations shall be paid by Z-Tel. Any material rearrangement,

modification, improvement, addition, repair, or other alteration shall require a Subsequent Application and Subsequent Application Fee, pursuant to sub-section 6.2.2.

5.12 Janitorial Service. Z-Tel shall be responsible for the general upkeep and cleaning of its Caged Collocation Space and shall arrange directly with a BellSouth Certified Contractor for janitorial services, if needed. BellSouth shall provide a list of such contractors on a site-specific basis upon request.

## 6 Ordering and Preparation of Collocation Space

6.1 Should any state or federal regulatory agency impose procedures or intervals of general application or through arbitration of Z-Tel Telecom's agreement different from procedures or intervals set forth in this section, those procedures or intervals shall automatically supersede, without the requirement of an amendment, the requirements set forth herein for that jurisdiction, unless otherwise agreed to by the Parties. This section applies to any state Order already in effect at the time of execution of this agreement.

6.2 Application for Space. Z-Tel shall submit an application document when Z-Tel or Z-Tel's Guest(s), as defined in Section 3.3, desires to request or materially (as defined in 5.11) modify the use of the Collocation Space.

6.2.1 Initial Application. For Z-Tel or Z-Tel's Guest(s) initial equipment placement, Z-Tel shall submit to BellSouth a Physical Expanded Interconnection Application Document ("Application"), together with payment of the Application Fee as stated in Exhibit A. The Application is Bona Fide when it is complete and accurate, meaning that all required fields on the application are completed with the appropriate type of information. The Bona Fide Application shall contain a detailed description and schematic drawing of the equipment to be placed in Z-Tel's Collocation Space(s) and an estimate of the amount of square footage required.

6.2.2 Subsequent Application Fee. In the event Z-Tel or Z-Tel's Guest(s) desire to materially (as defined in 5.11) modify the use of the Collocation Space, Z-Tel shall complete an Application document detailing all information regarding the modification to the Collocation Space together with payment of the minimum Subsequent Application Fee as stated in Exhibit A. Said minimum Subsequent Application Fee shall be considered a partial payment of the applicable Subsequent Application Fee which shall be calculated as set forth below. BellSouth shall determine what modifications, if any, to the Premises are required to accommodate the change requested by Z-Tel in the Application. Such necessary modifications to the Premises may include but are not limited to, floor loading changes, changes necessary to meet HVAC requirements, changes to power plant requirements, and equipment additions. The fee paid by Z-Tel for its request to modify the use of the Collocation Space shall be dependent upon the level of assessment needed for the

modification requested. Where the subsequent Application does not require assessment for provisioning or construction work by BellSouth, no Subsequent Application Fee will be required and the pre-paid fee shall be refunded to Z-Tel. The fee for an Application where the modification requested has limited effect (e.g., does not require assessment related to capital expenditure by BellSouth) shall be the Subsequent Application Fee as set forth in Exhibit A. If the modification requires capital expenditure assessment, a fee ranging from the minimum Subsequent Application Fee up to the full Application Fee for the appropriate state shall apply. In the event such modifications require the assessment of a full Application Fee as set forth in Exhibit A, the outstanding balance shall be due by Z-Tel within 30 calendar days following Z-Tel's receipt of a bill or invoice from BellSouth.

6.3 Application Response. In addition to the notice of space availability pursuant to Section 2.1, BellSouth will respond within ten (10) business days of receipt of an Application stating whether the Application is Bona Fide, and if it is not Bona Fide, the all the items necessary to cause the Application to become Bona Fide. When space has been determined to be available, BellSouth will provide a comprehensive written response ("Application Response") within thirty (30) business days of receipt of a Bona Fide Application. The Application Response will include, at a minimum, the configuration of the space, the Cable Installation Fee, and the space preparation fees, as described in Section 7. Also included will be an additional engineering fee, which shall be assessed based on the number of cable pairs and tie cable terminations ordered in the application.. When multiple applications are submitted within a fifteen (15) business day window, BellSouth will respond to the Bona Fide Applications as soon as possible, but no later than the following: within thirty (30) business days for Bona Fide Applications 1-5; within thirty-six (36) business days for Bona Fide Applications 6-10; within forty-two (42) business days for Bona Fide Applications 11-15. Response intervals for multiple Bona Fide Applications submitted within the same timeframe for the same state in excess of 15 must be negotiated. All negotiations shall consider the total volume from all requests from telecommunications companies for collocation.

6.4 Application Modifications. If a modification or revision is made to any information in Sections 2 through 12 or 15 of a Bona Fide Application for Physical Collocation, or Sections 2 through 10 or 13 of a Bona Fide Application for Adjacent Collocation, either at the request of Z-Tel or necessitated by technical considerations, BellSouth will respond to the Bona Fide Application within thirty (30) business days after BellSouth receives such application or at such other date as the Parties agree. If, at any time, BellSouth needs to reevaluate Z-Tel's Bona Fide Application as a result of changes requested by Z-Tel to Z-Tel's original application, then BellSouth will charge Z-Tel a fee based upon the additional engineering hours required to do the reassessment. Major changes such as requesting additional space or adding additional equipment that impact the power, floor loading, HVAC, or other CO infrastructure, may require Z-Tel to resubmit the application with an Application Fee. Z-Tel may modify or revise Section 1, 13, 14, or 16 of a Bona Fide Application for Physical Collocation, or Sections 1, 11, or 12 of a Bona Fide Application for Adjacent

Collocation, without incurring additional expense or a longer Application Response interval.

6.5 Bona Fide Firm Order. Z-Tel shall indicate its intent to proceed with equipment installation in a BellSouth Premises by submitting a Bona Fide Firm Order to BellSouth. A Bona Fide Firm Order requires Z-Tel to complete the Application/Inquiry process described in Section 6.2, preceding, and submit the Physical Expanded Interconnection Firm Order document (BSTEI-1P-F) indicating acceptance of the Application Response provided by BellSouth ("Bona Fide Firm Order") and all appropriate fees, as set forth in Section 7. The Bona Fide Firm Order must be received by BellSouth no later than thirty (30) business days after BellSouth's Application Response to Z-Tel's Bona Fide Application.

6.5.1 BellSouth will establish a firm order date based upon the date BellSouth is in receipt of a Bona Fide Firm Order. BellSouth will acknowledge the receipt of Z-Tel's Bona Fide Firm Order within seven (7) calendar days of receipt indicating that the Bona Fide Firm Order has been received. A BellSouth response to a Bona Fide Firm Order will include a Firm Order Confirmation containing the firm order date. No revisions will be made to a Bona Fide Firm Order, unless mutually agreed.

6.5.2 BellSouth will permit one accompanied site visit to Z-Tel's designated collocation arrangement location after receipt of the Bona Fide Firm Order without charge to Z-Tel.

6.5.3 Space preparation for the Collocation Space will not begin until BellSouth receives the Bona Fide Firm Order and all applicable fees.

6.5.4 Z-Tel must submit to BellSouth the completed Access Control Request Form (RF-2906-C) for all employees or agents requiring access to the BellSouth Premises a minimum of 15 calendar days prior to the date Z-Tel desires access to the Collocation Space.

6.6 Construction and Provisioning Interval. BellSouth will negotiate construction and provisioning intervals on an individual case basis. Excluding the time interval required to secure the appropriate government licenses and permits, BellSouth will use best efforts to complete construction for collocation arrangements under ordinary conditions as soon as possible and within a maximum of 120 calendar days from receipt of a Bona Fide Firm Order. Ordinary conditions are defined as space available with only minor changes to support systems required, such as but not limited to, HVAC, cabling and the power plant(s). Excluding the time interval required to secure the appropriate government licenses and permits, BellSouth will use best efforts to complete construction of all other Collocation Space ("extraordinary conditions") within 180 calendar days of the receipt of a Bona Fide Firm Order. Extraordinary conditions are defined to include but are not limited to major BellSouth equipment rearrangement or addition; power plant addition or upgrade; major mechanical addition or upgrade; major upgrade for ADA compliance; environmental

hazard or hazardous materials abatement; and arrangements for which equipment shipping intervals are extraordinary in length.

6.6.1 Joint Planning Meeting. Unless otherwise agreed to by the Parties, a joint planning meeting or other method of joint planning between BellSouth and Z-Tel will commence within a maximum of twenty (20) calendar days from BellSouth's receipt of a Bona Fide Firm Order and the payment of agreed upon fees. At such meeting, the Parties will agree to the preliminary design of the Collocation Space and the equipment configuration requirements as reflected in the Bona Fide Application and affirmed in the Bona Fide Firm Order. The Collocation Space completion time period will be provided to Z-Tel during the joint planning meeting or as soon as possible thereafter. BellSouth will complete all design work following the joint planning meeting. If the Parties are unable to have a joint planning meeting, the construction interval shall not be affected or delayed.

6.6.2 Permits. Each Party or its agents will diligently pursue filing for the permits required for the scope of work to be performed by that Party or its agents within ten (10) calendar days of the completion of finalized construction designs and specifications. BellSouth will notify Z-Tel of any required permits necessary, to the extent that BellSouth is required to perform any work in connection with Z-Tel Telecom's collocation arrangement that would require a permit.

6.6.3 Acceptance Walk Through. Z-Tel and BellSouth will complete an acceptance walk through of each Collocation Space requested from BellSouth by Z-Tel. BellSouth will correct any deviations to Z-Tel's original or jointly amended requirements within seven (7) calendar days after the walk through, unless the Parties jointly agree upon a different time frame.

6.7 Use of BellSouth Certified Supplier. Z-Tel shall select a supplier which has been approved as a BellSouth Certified Supplier to perform all engineering and installation work required in the Collocation Space. In some cases, Z-Tel must select separate BellSouth Certified Suppliers for transmission equipment, switching equipment and power equipment. BellSouth shall provide Z-Tel with a list of BellSouth Certified Suppliers upon request. The BellSouth Certified Supplier(s) shall be responsible for installing Z-Tel's equipment and components, installing co-carrier cross connects, extending power cabling to the BellSouth power distribution frame, performing operational tests after installation is complete, and notifying BellSouth's equipment engineers and Z-Tel upon successful completion of installation. The BellSouth Certified Supplier shall bill Z-Tel directly for all work performed for Z-Tel pursuant to this Attachment and BellSouth shall have no liability for nor responsibility to pay such charges imposed by the BellSouth Certified Supplier. BellSouth shall consider certifying Z-Tel or any supplier proposed by Z-Tel.

6.8 Alarm and Monitoring. BellSouth shall place environmental alarms in the Premises for the protection of BellSouth equipment and facilities. Z-Tel shall be responsible for placement, monitoring and removal of environmental and equipment alarms used

to service Z-Tel's Collocation Space. Upon request, BellSouth will provide Z-Tel with applicable tariffed service(s) to facilitate remote monitoring of collocated equipment by Z-Tel. Both Parties shall use best efforts to notify the other of any verified environmental hazard known to that Party.

6.9 Basic Telephone Service. Upon request of Z-Tel, BellSouth will provide basic telephone service to the Collocation Space under the rates, terms and conditions of the current tariff offering for the service requested.

6.10 Space Preparation. Space preparation fees include a nonrecurring charge for Firm Order Processing and monthly recurring charges for Central Office Modifications, assessed per arrangement, per square foot, and Common Systems Modifications, assessed per arrangement, per square foot for cageless and per cage for caged collocation. Z-Tel shall remit payment of the nonrecurring Firm Order Processing Fee coincident with submission of a Bona Fide Firm Order. The recurring charges for space preparation apply beginning on the date on which BellSouth releases the Collocation Space for occupancy or on the date Z-Tel first occupies the Collocation Space, whichever is sooner. The charges recover the costs associated with preparing the Collocation Space, which includes survey, engineering of the Collocation Space, design and modification costs for network, building and support systems. Additional engineering charges may apply as described in Section 6.3. In the event Z-Tel opts for cageless space, the Space Preparation Fee will be assessed based on the total floor space dedicated to Z-Tel as prescribed in Section 7.2.

6.11 Virtual Collocation Transition. BellSouth offers Virtual Collocation pursuant to the rates, terms and conditions set forth in its F.C.C. Tariff No. 1. For the interconnection to BellSouth's network and access to BellSouth unbundled network elements, Z-Tel may purchase 2-wire and 4-wire cross-connects as set forth in Exhibit A, and Z-Tel may place within its Virtual Collocation arrangements the telecommunications equipment set forth in Section 5.1. In the event physical Collocation Space was previously denied at a location due to technical reasons or space limitations, and that physical Collocation Space has subsequently become available, Z-Tel may transition its virtual collocation arrangements to physical collocation arrangements and pay the appropriate non-recurring fees for physical collocation and for the rearrangement or reconfiguration of services terminated in the virtual collocation arrangement, as outlined in the appropriate BellSouth tariffs. In the event that BellSouth knows when additional space for physical collocation may become available at the location requested by Z-Tel, such information will be provided to Z-Tel in BellSouth's written denial of physical collocation. To the extent that (i) physical Collocation Space becomes available to Z-Tel within 180 calendar days of BellSouth's written denial of Z-Tel's request for physical collocation, and (ii) Z-Tel was not informed in the written denial that physical Collocation Space would become available within such 180 calendar days, then Z-Tel may transition its virtual collocation arrangement to a physical collocation arrangement and will receive a credit for any nonrecurring charges previously paid for such virtual collocation. Z-Tel must arrange with a BellSouth Certified Supplier for the relocation of equipment from

its virtual Collocation Space to its physical Collocation Space and will bear the cost of such relocation.

6.12 Cancellation. If, at anytime, Z-Tel cancels its order for the Collocation Space(s), Z-Tel will reimburse BellSouth for any expenses actually incurred up to the date that written notice of the cancellation is received. In no event will the level of reimbursement under this paragraph exceed the maximum amount Z-Tel would have otherwise paid for work undertaken by BellSouth if no cancellation of the order had occurred.

6.13 Licenses. Z-Tel, at its own expense, will be solely responsible for obtaining from governmental authorities, and any other appropriate agency, entity, or person, all rights, privileges, and licenses necessary or required to operate as a provider of telecommunications services to the public or to occupy the Collocation Space.

6.14 The Parties agree to utilize and adhere to the Environmental Hazard Guidelines identified as Exhibit B attached hereto.

## 7 Rates and Charges

7.1 Cable Installation. Cable Installation Fee(s) are assessed per entrance fiber placed.

7.2 Floor Space. The floor space charge includes reasonable charges for lighting, HVAC, and other allocated expenses associated with maintenance of the Premises but does not include amperage necessary to power Z-Tel's equipment. When the Collocation Space is enclosed, Z-Tel shall pay floor space charges based upon the number of square feet so enclosed. When the Collocation Space is not enclosed, Z-Tel shall pay floor space charges based upon the following floor space calculation: [(depth of the equipment lineup in which the rack is placed) + (0.5 x maintenance aisle depth) + (0.5 x wiring aisle depth)] X (width of rack and spacers). For purposes of this calculation, the depth of the equipment lineup shall consider the footprint of equipment racks plus any equipment overhang. BellSouth will assign unenclosed Collocation Space in conventional equipment rack lineups where feasible. In the event Z-Tel's collocated equipment requires special cable racking, isolated grounding or other treatment which prevents placement within conventional equipment rack lineups, Z-Tel shall be required to request an amount of floor space sufficient to accommodate the total equipment arrangement. Floor space charges are due beginning with the date on which BellSouth releases the Collocation Space for occupancy or on the date Z-Tel first occupies the Collocation Space, whichever is sooner.

7.3 Power. BellSouth shall make available –48 Volt (-48V) DC power (at the amperage specified by Z-Tel) for Z-Tel's Collocation Space at a BellSouth Power Board or BellSouth Batter Distribution Fuse Bay ("BDFB") at Z-Tel's option within the Premises.

7.3.1 Recurring charges for -48V DC power will be assessed per ampere per month based upon the BellSouth Certified Supplier engineered and installed power feed fused ampere capacity. Rates include redundant feeder fuse positions (A&B) and common cable rack to Z-Tel's equipment or space enclosure. When obtaining power from a BDFB, fuses and power cables (A&B) must be engineered (sized), and installed by Z-Tel's BellSouth Certified Supplier. When obtaining power from a BellSouth power board, power cables (A&B) must be engineered (sized), and installed by Z-Tel's BellSouth Certified power Supplier. Z-Tel's BellSouth Certified Supplier must also provide a copy of the engineering power specification prior to the Commencement Date.

7.3.2 The non-recurring construction charge for construction of additional DC power plant or upgrade of the existing DC power plant in a Premises as a result of Z-Tel's request to collocate in that Premises ("Power Plant Construction"), will be assessed per the nominal –48V DC ampere requirements specified by Z-Tel on the physical collocation application. BellSouth reserves the right to monitor actual usage to verify accuracy of Z-Tel's power requirements. Z-Tel shall pay its pro-rated share of costs associated with the Power Plant Construction, including but not limited to, standby AC plant elements, DC power plant elements, and the BDFB, where applicable. If Z-Tel does not require power feeders from a BDFB, the BDFB component will not be applied to the Power Plant Construction charge. If Z-Tel requires power feeders from both a BellSouth power board and a BellSouth BDFB, the Power Plant Construction charge will include all three components for the amount of nominal current fed from the BDFB, but will only include the standby AC and DC power plant components for the amount of nominal current fed from the power board. BellSouth shall comply with all BellCore (Telcordia) and ANSI Standards regarding power cabling, including BellCore (Telcordia) Network Equipment Building System (NEBS) StandardGR-63-CORE.

7.3.3 If BellSouth has not previously invested in power plant capacity for collocation at a specific site, Z-Tel has the option to add its own dedicated power plant; provided, however, that such work shall be performed by a BellSouth Certified Supplier who shall comply with BellSouth's guidelines and specifications. Where the addition of Z-Tel's dedicated power plant results in construction of a new power plant room, upon termination of this Agreement, Z-Tel shall have the right to remove its equipment from the power plant room, but shall otherwise leave the room intact. Z-Tel is responsible for contracting with a BellSouth Certified Supplier for power distribution feeder cable runs from a BellSouth BDFB or power board to Z-Tel's equipment. When obtaining power from a BellSouth BDFB or miscellaneous fuse positions on a BellSouth power board, power cables must be engineered, furnished and installed by Z-Tel using a BellSouth Certified power Supplier. Determination of the BellSouth BDFB or BellSouth power board as the power source will be made at BellSouth's sole, but reasonable, discretion. The BellSouth Certified Supplier contracted by Z-Tel must provide BellSouth a copy of the engineering power specifications prior to the Commencement Date. BellSouth will provide the power feeder cable support structure between the BellSouth BDFB or power board and Z-

Tel's arrangement area. Z-Tel shall contract a BellSouth Certified Supplier who will be responsible for the following: power cable support structure within Z-Tel's arrangement; power cable feeds; terminations of cable. Any terminations at a BellSouth power board must be performed by a BellSouth Certified power Supplier. Z-Tel shall comply with all applicable National Electric Code (NEC), BellSouth TR-73503, BellCore (Telcordia) and ANSI Standards regarding power cabling.

7.3.4 If Z-Tel elects to install its own DC Power Plant, BellSouth shall provide AC power to feed Z-Tel's DC Power Plant. Charges for AC power will be assessed per breaker ampere per month. Rates include the provision of commercial and standby AC power. When obtaining power from a BellSouth service panel, protection devices and power cables must be engineered (sized), and installed by Z-Tel's BellSouth Certified Supplier except that BellSouth shall engineer and install protection devices and power cables for Adjacent Collocation. Z-Tel's BellSouth Certified Supplier must also provide a copy of the engineering power specification prior to the Commencement Date. Charges for AC power shall be assessed pursuant to the rates specified in Exhibit A. AC power voltage and phase ratings shall be determined on a per location basis. At Z-Tel's option, Z-Tel may arrange for AC power in an Adjacent Collocation arrangement from a retail provider of electrical power.

7.4 Security Escort. A security escort will be required whenever Z-Tel or its approved agent desires access to the entrance manhole or must have access to the Premises after the one accompanied site visit allowed pursuant to Section 6.5.2 prior to completing BellSouth's Security Training requirements and/or prior to Space Acceptance. Rates for a security escort are assessed in one-half (1/2) hour increments according to the schedule appended hereto as Exhibit A.

7.5 Rate "True-Up". The Parties agree that the prices reflected as interim herein shall be "trued-up" (up or down) based on final prices either determined by further agreement or by final order, including any appeals, in a proceeding involving BellSouth before the regulatory authority for the state in which the services are being performed or any other body having jurisdiction over this Agreement (hereinafter "Commission"). Under the "true-up" process, the interim price for each service shall be multiplied by the volume of that service purchased to arrive at the total interim amount paid for that service ("Total Interim Price"). The final price for that service shall be multiplied by the volume purchased to arrive at the total final amount due ("Total Final Price"). The Total Interim Price shall be compared with the Total Final Price. If the Total Final Price is more than the Total Interim Price, Z-Tel shall pay the difference to BellSouth. If the Total Final Price is less than the Total Interim Price, BellSouth shall pay the difference to Z-Tel. Each Party shall keep its own records upon which a "true-up" can be based and any final payment from one Party to the other shall be in an amount agreed upon by the Parties based on such records. In the event of any disagreement as between the records or the Parties regarding the amount of such "true-up," the Parties agree that the Commission shall be called upon to resolve such differences.

7.6 Other. If no rate is identified in the contract, the rate for the specific service or function will be negotiated by the Parties upon request by either Party. Payment of all other charges under this Attachment shall be due thirty (30) calendar days after receipt of the bill (payment due date) but no earlier than 30 calendar days after the completion of the collocation space. Z-Tel will pay a late payment charge of the lessor of the state legal rate or one and one-half percent (1-1/2%) assessed monthly on any balance which remains unpaid after 30 days after either the payment due date.

## 8 Insurance

8.1 Z-Tel shall, at its sole cost and expense, procure, maintain, and keep in force insurance as specified in this Section 8 and underwritten by insurance companies licensed to do business in the states applicable under this Attachment and having a Best's Insurance Rating of A-.

8.2 Z-Tel shall maintain the following specific coverage:

8.2.1 Commercial General Liability coverage in the amount of ten million dollars ($10,000,000.00) or a combination of Commercial General Liability and Excess/Umbrella coverage totaling not less than ten million dollars ($10,000,000.00). BellSouth shall be named as an Additional Insured on the Commercial General Liability policy as specified herein.

8.2.2 Statutory Workers Compensation coverage and Employers Liability coverage in the amount of one hundred thousand dollars ($100,000.00) each accident, one hundred thousand dollars ($100,000.00) each employee by disease, and five hundred thousand dollars ($500,000.00) policy limit by disease.

8.2.3 All Risk Property coverage on a full replacement cost basis insuring all of Z-Tel's real and personal property situated on or within BellSouth's Central Office location(s).

8.2.4 Z-Tel may elect to purchase business interruption and contingent business interruption insurance, having been advised that BellSouth assumes no liability for loss of profit or revenues should an interruption of service occur.

8.3 The limits set forth in Section 8.2 above may be increased by BellSouth from time to time during the term of this Attachment upon thirty (30) days notice to Z-Tel to at least such minimum limits as shall then be customary.

8.4 All policies purchased by Z-Tel shall be deemed to be primary and not contributing to or in excess of any similar coverage purchased by BellSouth. All insurance must be in effect on or before the date equipment is delivered to BellSouth's Premises and shall remain in effect for the term of this Attachment or until all Z-Tel's property has been removed from BellSouth's Premises, whichever period is longer. If Z-Tel fails to maintain required coverage, BellSouth may pay the premiums thereon and seek reimbursement of same from Z-Tel.

8.5 Z-Tel shall submit certificates of insurance reflecting the coverage required pursuant to this Section a minimum of ten (10) business days prior to the commencement of any work in the Collocation Space. Failure to meet this interval may result in construction and equipment installation delays. Z-Tel shall arrange for BellSouth to receive thirty (30) calendar days' advance notice of cancellation from Z-Tel's insurance company. Z-Tel shall forward a certificate of insurance and notice of cancellation/non-renewal to BellSouth at the following address:

BellSouth Telecommunications, Inc.
Attn.: Risk Management Coordinator
675 W. Peachtree Street
Rm. 17H53
Atlanta, Georgia 30375

8.6 Z-Tel must conform to recommendations made by BellSouth's fire insurance company to the extent BellSouth has agreed to, or shall hereafter agree to, such recommendations.

8.7 Self-Insurance. If Z-Tel's net worth exceeds five hundred million dollars ($500,000,000), Z-Tel may elect to request self-insurance status in lieu of obtaining any of the insurance required in Sections 8.2.1 and 8.2.3. Z-Tel shall provide audited financial statements to BellSouth thirty (30) days prior to the commencement of any work in the Collocation Space. BellSouth shall then review such audited financial statements and respond in writing to Z-Tel in the event that self-insurance status is not granted to Z-Tel. If BellSouth approves Z-Tel for self-insurance, Z-Tel shall annually furnish to BellSouth, and keep current, evidence of such net worth that is attested to by one of Z-Tel's corporate officers. The ability to self-insure shall continue so long as the Z-Tel meets all of the requirements of this Section. If the Z-Tel subsequently no longer satisfies this Section, Z-Tel is required to purchase insurance as indicated by Sections 8.2.1 and 8.2.3.

8.8 The net worth requirements set forth in Section 8.7 may be increased by BellSouth from time to time during the term of this Attachment upon thirty (30) business days' notice to Z-Tel to at least such minimum limits as shall then be customary with respect to comparable occupancy of BellSouth structures.

8.9 Failure to comply with the provisions of this Section will be deemed a material breach of this Attachment.

## 9 Mechanics Liens

9.1 If any mechanics lien or other liens shall be filed against property of either Party (BellSouth or Z-Tel), or any improvement thereon by reason of or arising out of any labor or materials furnished or alleged to have been furnished or to be furnished to or

for the other Party or by reason of any changes, or additions to said property made at the request or under the direction of the other Party, the other Party directing or requesting those changes shall, within thirty (30) business days after receipt of written notice from the Party against whose property said lien has been filed, either pay such lien or cause the same to be bonded off the affected property in the manner provided by law. The Party causing said lien to be placed against the property of the other shall also defend, at its sole cost and expense, on behalf of the other, any action, suit or proceeding which may be brought for the enforcement of such liens and shall pay any damage and discharge any judgment entered thereon.

**10 Inspections**

10.1 BellSouth shall conduct an inspection of Z-Tel's equipment and facilities in the Collocation Space(s) prior to the activation of facilities between Z-Tel's equipment and equipment of BellSouth. BellSouth may conduct an inspection if Z-Tel adds equipment and may otherwise conduct routine inspections at reasonable intervals mutually agreed upon by the Parties. BellSouth shall provide Z-Tel with a minimum of forty-eight (48) hours or two (2) business days, whichever is greater, advance notice of all such inspections. All costs of such inspection shall be borne by BellSouth.

**11 Security and Safety Requirements**

11.1 The security and safety requirements set forth in this section are as stringent as the security requirements BellSouth maintains at its own premises either for their own employees or for authorized contractors. Only BellSouth employees, BellSouth Certified Contractors and authorized employees, authorized Guests, pursuant to Section 3.3, preceding, or authorized agents of Z-Tel will be permitted in the BellSouth Premises. Z-Tel shall provide its employees and agents with picture identification which must be worn and visible at all times while in the Collocation Space or other areas in or around the Premises. The photo Identification card shall bear, at a minimum, the employee's name and photo, and the Z-Tel name. BellSouth reserves the right to remove from its premises any employee of Z-Tel not possessing identification issued by Z-Tel or who have violated any of BellSouth's policies as outlined in the CLEC Security Training documents. Z-Tel shall hold BellSouth harmless for any damages resulting from such removal of its personnel from BellSouth premises, except by gross negligence and willful misconduct on behalf of BellSouth. Z-Tel shall be solely responsible for ensuring that any Guest of Z-Tel is in compliance with all subsections of this Section 11.

11.1.1 Z-Tel will be required, at its own expense, to conduct a statewide investigation of criminal history records for each Z-Tel employee being considered for work on the BellSouth Premises, for the states/counties where the Z-Tel employee has worked and lived for the past five years. Where state law does not permit statewide collection or

reporting, an investigation of the applicable counties is acceptable. This requirement will not apply if the CLEC performed a pre-employment criminal investigation of the employee being considered for work on the ILEC premises and if the pre-employment criminal investigations met the requirements specified above.

11.1.2 Parties will be required to administer to their personnel assigned to the BellSouth Premises security training either provided by BellSouth, or meeting criteria defined by BellSouth.

11.1.3 Z-Tel shall not assign to the BellSouth Premises any personnel with records of felony criminal convictions. Z-Tel shall not assign to the BellSouth Premises any personnel with records of misdemeanor convictions, except for misdemeanor traffic violations, without advising BellSouth of the nature and gravity of the offense(s). BellSouth reserves the right to refuse building access to any Z-Tel personnel who have been identified to have misdemeanor criminal convictions. Notwithstanding the foregoing, in the even that Z-Tel chooses not to advise BellSouth of the nature and gravity of any misdemeanor conviction, Z-Tel may, in the alternative, certify to BellSouth that it shall not assign to the BellSouth Premises any personnel with records of misdemeanor convictions (other than misdemeanor traffic violations).For each Z-Tel employee requiring access to a BellSouth Premises pursuant to this Attachment, Z-Tel shall furnish BellSouth, prior to an employee gaining such access, a certification that the aforementioned background check and security training were completed. The certification will contain a statement that no felony convictions were found and certifying that the security training was completed by the employee. If the employee's criminal history includes misdemeanor convictions, Z-Tel will disclose the nature of the convictions to BellSouth at that time. In the alternative, Z-Tel may certify to BellSouth that it shall not assign to the BellSouth Premises any personnel with records of misdemeanor convictions other than misdemeanor traffic violations.

11.1.4 At BellSouth's request, Z-Tel shall promptly remove from the BellSouth's Premises any employee of Z-Tel BellSouth does not wish to grant access to its premises 1) pursuant to any investigation conducted by BellSouth or 2) prior to the initiation of an investigation in the event that an employee of Z-Tel is found interfering with the property or personnel of BellSouth or another CLEC, provided that an investigation shall promptly be commenced by BellSouth.

11.2 Notification. Parties reserve the right to interview the other Party's employees, agents, or contractors in the event of wrongdoing in or around BellSouth's property or involving BellSouth's or another CLEC's property or personnel, provided that each Party shall provide reasonable notice to the other Party's Security contact of such interview. Both Parties shall reasonably cooperate with the other Party's investigation into allegations of wrongdoing or criminal conduct committed by, witnessed by, or involving either Party's employees, agents, or contractors. Additionally, each Party reserves the right to bill the other Party for all reasonable costs associated with investigations involving its employees, agents, or contractors if it is established and mutually agreed in good faith that the other Party's employees, agents, or contractors

are responsible for the alleged act. Either Party shall bill the other Party for property which is stolen or damaged where an investigation determines the culpability of the other Party's employees, agents, or contractors and where the other Party agrees, in good faith, with the results of such investigation. Both Parties shall notify each other in writing immediately in the event that the either Party discovers one of its employees already working on the BellSouth premises is a possible security risk. Upon request of the other Party, the Party who is the employer shall discipline consistent with its employment practices, up to and including removal from the BellSouth Premises, any employee found to have violated the security and safety requirements of this section. Z-Tel shall hold BellSouth harmless for any damages resulting from such removal of its personnel from BellSouth premises.

11.3 Use of Supplies. Unauthorized use of telecommunications equipment or supplies by either Party, whether or not used routinely to provide telephone service (e.g. plug-in cards,) will be strictly prohibited and handled appropriately. Costs associated with such unauthorized use may be charged to the offending Party, as may be all associated investigative costs.

11.4 Use of Official Lines. Except for non-toll calls necessary in the performance of their work, neither Party shall use the telephones of the other Party on the BellSouth Premises. Charges for unauthorized telephone calls may be charged to the offending Party, as may be all associated investigative costs.

11.5 Accountability. Full compliance with the Security requirements of this section shall in no way limit the accountability of either Party to the other for the improper actions of its employees.

## 12 Destruction of Collocation Space

12.1 In the event a Collocation Space is wholly or partially damaged by fire, windstorm, tornado, flood or by similar causes to such an extent as to be rendered wholly unsuitable for Z-Tel's permitted use hereunder, then either Party may elect within ten (10) business days after such damage, to terminate the arrangement, and if either Party shall so elect, by giving the other written notice of termination, both Parties shall stand released of and from further liability under the terms hereof. If the Collocation Space shall suffer only minor damage and shall not be rendered wholly unsuitable for Z-Tel's permitted use, or is damaged and the option to terminate is not exercised by either Party, BellSouth covenants and agrees to proceed promptly without expense to Z-Tel, except for improvements not the property of BellSouth, to repair the damage. BellSouth shall have a reasonable time within which to rebuild or make any repairs, and such rebuilding and repairing shall be subject to delays caused by storms, shortages of labor and materials, government regulations, strikes, walkouts, and causes beyond the control of BellSouth, which causes shall not be construed as limiting factors, but as exemplary only. Restoration efforts of both BellSouth and Z-Tel floorspace shall be pursued in a non-discriminatory fashion. Z-Tel may, at its

own expense, accelerate the rebuild of its collocated space and equipment provided however that a BellSouth Certified Contractor is used and the necessary space preparation has been completed. Rebuild of equipment must be performed by a BellSouth Certified Vendor. If Z-Tel's acceleration of the project increases the cost of the project, then those additional charges will be incurred by Z-Tel. Where allowed and where practical, Z-Tel may erect a temporary facility while BellSouth rebuilds or makes repairs. In all cases where the Collocation Space shall be rebuilt or repaired, Z-Tel shall be entitled to an equitable abatement of rent and other charges, depending upon the unsuitability of the Collocation Space for Z-Tel's permitted use, until such Collocation Space is fully repaired and restored and Z-Tel's equipment installed therein (but in no event later than thirty (30) business days after the Collocation Space is fully repaired and restored). Where Z-Tel has placed an Adjacent Arrangement pursuant to section 3.4, Z-Tel shall have the sole responsibility to repair or replace said Adjacent Arrangement provided herein. Pursuant to this section, BellSouth will restore the associated services to the Adjacent Arrangement.

**13 Eminent Domain**

13.1 If the whole of a Collocation Space or Adjacent Arrangement shall be taken by any public authority under the power of eminent domain, then this Attachment shall terminate with respect to such Collocation Space or Adjacent Arrangement as of the day possession shall be taken by such public authority and rent and other charges for the Collocation Space or Adjacent Arrangement shall be paid up to that day with proportionate refund by BellSouth of such rent and charges as may have been paid in advance for a period subsequent to the date of the taking. If any part of the Collocation Space or Adjacent Arrangement shall be taken under eminent domain, BellSouth and Z-Tel shall each have the right to terminate this Attachment with respect to such Collocation Space or Adjacent Arrangement and declare the same null and void, by written notice of such intention to the other Party within ten (10) business days after such taking.

**14 Nonexclusivity**

14.1 Z-Tel understands that this Attachment is not exclusive and that BellSouth may enter into similar agreements with other Parties. Assignment of space pursuant to all such agreements shall be determined by space availability and made on a first come, first served basis.

# EXHIBIT A: BELLSOUTH/Z-Tel RATES – ALABAMA PHYSICAL COLLOCATION

**Rates marked with an asterisk (*) are interim and are subject to true-up**

| USOC | Rate Element Description | Unit | Recurring Rate (RC) | Non-Recurring Rate (NRC) |
|---|---|---|---|---|
| PE1BA | Application Fee | Per request | NA | $7,124.00<br>Disconnect Charge $1.73 |
| | | | | |
| PE1CA | Subsequent Application Fee | Per request | NA | $1,600.00<br>Minimum |
| | | | | |
| | Space Preparation Fee<br>Firm Order Processing*<br>Central Office Modifications*<br>Common Systems Modifications – Cageless*<br>Common Systems Modifications – Caged* | <br><br>Per sq. ft.<br>Per sq. ft.<br><br>Per cage | <br><br>$2.58<br>$2.96<br><br>$100.66 | <br><br>$1,211.00 |
| | | | | |
| | Space Enclosure (100 sq. ft. minimum) | | | |
| PE1BW | Welded Wire-mesh | Per first 100 sq. ft. | $136.64 | NA |
| PE1CW | Welded Wire-mesh | Per add'l 50 sq. ft. | $15.85 | NA |
| | | | | |
| PE1PJ | Floor Space | Per sq. ft. | $3.85 | NA |
| | | | | |
| PE1BD | Cable Installation | Per cable | NA | $2,335.00 |
| | | | | |
| PE1PM | Cable Support Structure | Per entrance cable | $23.23 | NA |
| | | | | |
| | Power | | | |
| PE1PL | -48V DC Power | Per amp | $8.86 | |
| PE1FB | 120V AC Power single phase* | Per breaker amp | $5.50 | ICB |
| PE1FD | 240V AC Power single phase* | Per breaker amp | $11.00 | ICB |
| PE1FE | 120V AC Power three phase* | Per breaker amp | $16.50 | ICB |
| PE1FG | 277 AC Power three phase* | Per breaker amp | $38.20 | ICB |
| | | | | |
| | Cross Connects **(Note 1)** | Per cross connect | | First/Add'l |
| PE1P2 | 2-wire | | $.28 | $30.76/$29.40 |
| PE1P4 | 4-wire | | $.56 | $31.01/$29.58 |
| PE1P1 | DS-1 | | $2.14 | $60.81/$41.71 |
| PE1P3 | DS-3 | | $38.63 | $57.80/$39.81 |
| PE1F2 | 2-fiber | | $12.10 | $55.46/$39.18 |
| PE1F4 | 4-fiber | | $21.75 | $66.71/$50.43 |

| ALABAMA (continued) | | | | |
|---|---|---|---|---|
| **USOC** | **Rate Element Description** | **Unit** | **Recurring Rate (RC)** | **Non-Recurring Rate (NRC)** |
| | Cross Connects (continued) | Per cross connect | | First/Add'l Disconnect Charges |
| | 2-wire | | | First/Add'l $12.75/$11.38 |
| | 4-wire | | | $12.82/$11.39 |
| | DS-1 | | | $12.85/$11.50 |
| | DS-3 | | | $14.93/$11.76 |
| | 2-fiber | | | $16.83/$13.27 |
| | 4-fiber | | | $21.86/$18.31 |
| | | | | |
| | Co-Carrier Cross-Connect | | | |
| PE1ES | Fiber Cable Support Structure | Per linear ft. | $.003 | $540.00 |
| PE1DS | Copper or Coaxial Cable Support Structure | Per linear ft. | $.004 | $540.00 |
| | | | | |
| PE1AX | Security Access System Security System* | Per central office | $52.00 | |
| | New Access Card Activation* | Per card | | $55.00 |
| PE1AA | Administrative change, existing card* | Per card | | $35.00 |
| PE1AR | Replace lost or stolen card* | Per card | | $250.00 |
| | | | | |
| PE1SR | Space Availability Report* | Per premises requested | | $550.00 |
| | | | | |
| | POT Bay Arrangements *Prior to 6/1/99* | Per cross connect | | |
| PE1PE | 2-Wire Cross-Connect | | $0.08 | NA |
| PE1PF | 4-Wire Cross-Connect | | $0.17 | NA |
| PE1PG | DS1 Cross-Connect | | $0.69 | NA |
| PE1PH | DS3 Cross-Connect | | $4.74 | NA |
| PE1B2 | 2-Fiber Cross-Connect | | $32.02 | NA |
| PE1B4 | 4-Fiber Cross-Connect | | $40.48 | NA |
| | | | | |
| AEH | Additional Engineering Fee | Per request, First half hour/add'l half hour | | First/Add'l Basic Time $31.00/$22.00 Overtime $37.00/$26.00 |

| ALABAMA (continued) | | | | |
|---|---|---|---|---|
| **USOC** | **Rate Element Description** | **Unit** | **Recurring Rate (RC)** | **Non-Recurring Rate (NRC)** |
| | | | | |
| | Security Escort | Per half hr/add'l half hr | | |
| PE1BT | Basic Time | | NA | $43.47/$25.82 |
| PE1OT | Overtime | | NA | $55.25/$32.79 |
| PE1PT | Premium Time | | NA | $67.03/$39.76 |

**Note(s):**

N/A refers to rate elements which do not have a negotiated rate.

(1) **Cross Connects:** The charges for cross connects are for orders placed electronically. Cross connect elements may also be ordered manually for which there is an additional charge per element.

| | | Disconnect Charges |
|---|---|---|
| | First / Additional | First / Additional |
| 2-wire | $34.03 / $32.67 | $14.48 / $13.11 |
| 4-wire | $34.28 / $32.85 | $14.55 / $13.12 |
| DS-1 | $64.08 / $44.98 | $14.58 / $13.23 |
| DS-3 | $61.07 / $43.08 | $16.66 / $13.49 |

# EXHIBIT A: BELLSOUTH/Z-Tel RATES – FLORIDA PHYSICAL COLLOCATION

| USOC | Rate Element Description | Unit | Recurring Rate (RC) | Non-Recurring Rate (NRC) |
|---|---|---|---|---|
| PE1BA | Application Fee | Per request | | $3,791.00 |
| | | | | |
| PE1CA | Subsequent Application Fee | Per request | NA | $3,160.00 |
| | | | | |
| | Space Preparation Fee | | | |
| | Firm Order Processing | | | $1,211.00 |
| | Central Office Modifications | Per sq. ft. | $2.58 | |
| | Common Systems Modifications – Cageless | Per sq. ft. | $2.96 | |
| | Common Systems Modifications – Caged | Per cage | $100.66 | |
| | | | | |
| | Space Enclosure (100 sq. ft. minimum) | | | |
| PE1BW | Wire Cage | Per first 100 sq. ft. | $205.93 | NA |
| PE1CW | Wire Cage | Per add'l 50 sq. ft. | $20.20 | NA |
| | | | | |
| PE1PJ | Floor Space | Per sq. ft. | $6.57 | NA |
| | | | | |
| PE1BD | Cable Installation | Per cable | | $1,826.00 |
| | | | | |
| PE1PM | Cable Support Structure | | $21.66 | NA |
| | | | | |
| | Power | | | |
| PE1PL | -48V DC Power | Per amp | $8.86 | |
| PE1FB | 120V AC Power single phase | Per breaker amp | $5.62 | |
| PE1FD | 240V AC Power single phase | Per breaker amp | $11.26 | |
| PE1FE | 120V AC Power three phase | Per breaker amp | $16.88 | |
| PE1FG | 277 AC Power three phase | Per breaker amp | $38.98 | |
| | | | | |
| | Cross Connects | | | First/Add'l |
| | 2-wire | Per cross connect | $.074 | $34.53/$32.51 |
| | 4-wire | Per cross connect | $.148 | $34.54/$32.53 |
| | DS1 | Per cross connect | $1.29 | $54.15/$40.94 |
| | DS3 | Per cross connect | $17.48 | $53.28/$39.65 |
| | 2-fiber | Per cross connect | $2.96 | $53.28/$39.66 |
| | 4-fiber | Per cross connect | $5.66 | $66.08/$52.47 |

| FLORIDA (continued) | | | | |
|---|---|---|---|---|
| **USOC** | **Rate Element Description** | **Unit** | **Recurring Rate (RC)** | **Non-Recurring Rate (NRC)** |
| | Co-Carrier Cross-Connect | | | |
| PE1ES | Fiber Cable Support Structure | Per linear ft. | $.003 | $540.00 |
| PE1DS | Copper or Coaxial Cable Support Structure | Per linear ft. | $.004 | $540.00 |
| | | | | |
| PE1AX | Security Access System Security System | Per premises | $89.48 | |
| | New Access Card Activation | Per card | $.06 | $56.03 |
| PE1AA | Administrative change, existing card | Per card | | $15.71 |
| PE1AR | Replace lost or stolen card | Per card | | $45.93 |
| | | | | |
| PE1SR | Space Availability Report | Per premises requested | | $2,168.00 |
| | | | | |
| | POT Bay **(Note 1)** | | NA | NA |
| | | | | |
| AEH | Additional Engineering Fee | Per request, First half hour/add'l half hour | | First/Add'l Basic Time $31.00/$22.00 Overtime $37.00/$26.00 |
| | | | | |
| | Security Escort | Per ¼ hour | | |
| PE1BQ | Basic Time | | NA | $10.89 |
| PE1OQ | Overtime | | NA | $13.64 |
| PE1PQ | Premium Time | | NA | $16.40 |

**Note(s):**

N/A refers to rate elements which do not have a negotiated rate.

(1) **POT Bays**: BellSouth's Florida specific rates were established in the Florida Public Service Commission Docket No. 960833. The Commission did not set permanent rates for POT Bays, given the assumption by the Parties to the Proceeding that they will always provide their own POT Bays. It will be necessary for Z-Tel to provide its own POT Bays per BellSouth specifications and provide the necessary information from which BellSouth can inventory.

# EXHIBIT A: BELLSOUTH/Z-Tel RATES – GEORGIA PHYSICAL COLLOCATION

**Rates marked with an asterisk (*) are interim and subject to true-up**

| USOC | Rate Element Description | Unit | Recurring Rate (RC) | Non-Recurring Rate (NRC) |
|---|---|---|---|---|
| PE1BA | Application Fee | Per request | NA | $3,850.00 |
| | | | | |
| PE1CA | Subsequent Application Fee | Per request | NA | $1,600.00 Minimum |
| | | | | |
| PE1BB | Space Preparation Fee **(Note 2)** | Per sq. ft. | NA | $100.00 |
| | | | | |
| | Space Enclosure (100 sq. ft. minimum) | | | |
| PE1BW | Welded Wire-mesh | Per first 100 sq. ft. | $170.64 | NA |
| PE1CW | Welded Wire-mesh | Per add'l 50 sq. ft. | $17.33 | NA |
| | | | | |
| | Floor Space | | | |
| PE1PJ | Zone A | Per sq. ft. | $7.50 | NA |
| PE1PK | Zone B | Per sq. ft. | $6.75 | NA |
| | | | | |
| PE1BD | Cable Installation | Per cable | NA | $2,750.00 |
| | | | | |
| PE1PM | Cable Support Structure | Per entrance cable | $13.35 | NA |
| | | | | |
| | Power | | | |
| PE1PL | -48V DC Power | Per amp | $5.00 | |
| PE1FB | 120V AC Power single phase* | Per breaker amp | $5.50 | ICB |
| PE1FD | 240V AC Power single phase* | Per breaker amp | $11.00 | ICB |
| PE1FE | 120V AC Power three phase* | Per breaker amp | $16.50 | ICB |
| PE1FG | 277 AC Power three phase* | Per breaker amp | $38.20 | ICB |
| | | | | |
| | Cross Connects | Per cross connect | | First/Add'l |
| PE1P2 | 2-wire | | $0.30 | $12.60/$12.60 |
| PE1P4 | 4-wire | | $0.50 | $12.60/$12.60 |
| PE1P1 | DS-1 | | $8.00 | $155.00/$27.00 |
| PE1P3 | DS-3 | | $72.00 | $155.00/$27.00 |
| PE1F2 | 2-fiber | | $15.64 | $41.56/$29.82 |
| PE1F4 | 4-fiber | | $28.11 | $50.53/$38.78 |

| GEORGIA (continued) | | | | |
|---|---|---|---|---|
| **USOC** | **Rate Element Description** | **Unit** | **Recurring Rate (RC)** | **Non-Recurring Rate (NRC)** |
| | Co-Carrier Cross-Connect | | | |
| PE1ES | Fiber Cable Support Structure | Per linear ft. | $.003 | $540.00 |
| PE1DS | Copper or Coaxial Cable Support Structure | Per linear ft. | $.004 | $540.00 |
| | | | | |
| PE1AX | Security Access System Security System* | Per premises | $52.00 | |
| | New Access Card Activation* | Per card | | $55.00 |
| PE1AA | Administrative change, existing card* | Per card | | $35.00 |
| PE1AR | Replace lost or stolen card* | Per card | | $250.00 |
| | | | | |
| PE1SR | Space Availability Report* | Per premises requested | | $550.00 |
| | | | | |
| | POT Bay Arrangements *Prior to 6/1/99* | Per cross-connect | | |
| PE1PE | 2-Wire Cross-Connect | | $0.40 | NA |
| PE1PF | 4-Wire Cross-Connect | | $1.20 | NA |
| PE1PG | DS1 Cross-Connect | | $1.20 | NA |
| PE1PH | DS3 Cross-Connect | | $8.00 | NA |
| PE1B2 | 2 Fiber Cross-Connect | | $38.79 | NA |
| PE1B4 | 4 Fiber Cross-Connect | | $52.31 | NA |
| | | | | |
| AEH | Additional Engineering Fee | Per request, First half hour/add'l half hour | | First/Add'l Basic Time $31.00/$22.00 Overtime $37.00/$26.00 |
| | | | | |
| | Security Escort | Per half hr./Add'l half hr. | | |
| PE1BT | Basic Time | | NA | $41.00/$25.00 |
| PE1OT | Overtime | | NA | $48.00/$30.00 |
| PE1PT | Premium Time | | NA | $55.00/$35.00 |

N/A refers to rate elements which do not have a negotiated rate.

## EXHIBIT A: BELLSOUTH/Z-Tel RATES – KENTUCKY PHYSICAL COLLOCATION

**Rates marked with an asterisk (*) are interim and are subject to true-up.**

| USOC | Rate Element Description | Unit | Recurring Rate (RC) | Non-Recurring Rate (NRC) |
|---|---|---|---|---|
| PE1BA | Application Fee | Per request | NA | $9,926.72 |
| | | | | |
| PE1CA | Subsequent Application Fee | Per request | NA | $1,600.00 Minimum |
| | | | | |
| | Space Preparation Fee | | | |
| | Firm Order Processing* | | | $1,211.00 |
| | Central Office Modifications* | Per sq. ft. | $2.58 | |
| | Common Systems Modifications – Cageless* | Per sq. ft. | $2.96 | |
| | Common Systems Modifications – Caged* | Per cage | $100.66 | |
| | | | | |
| | Space Enclosure (100 sq. ft. minimum) | | | |
| PE1BW | Welded Wire-mesh | Per first 100 sq. ft. | $201.02 | NA |
| PE1CW | Welded Wire-mesh | Per add'l 50 sq. ft. | $20.42 | NA |
| | | | | |
| PE1PJ | Floor Space | Per sq. ft. | $5.00 | NA |
| | | | | |
| PE1BD | Cable Installation | Per cable | NA | $2,327.08 |
| | | | | |
| PE1PM | Cable Support Structure | Per entrance cable | $24.23 | NA |
| | | | | |
| | Power | | | |
| PE1PL | -48V DC Power | Per amp | $8.86 | |
| PE1FB | 120V AC Power single phase* | Per breaker amp | $5.50 | ICB |
| PE1FD | 240V AC Power single phase* | Per breaker amp | $11.00 | ICB |
| PE1FE | 120V AC Power three phase* | Per breaker amp | $16.50 | ICB |
| PE1FG | 277 AC Power three phase* | Per breaker amp | $38.20 | ICB |
| | | | | |
| | Cross Connects | Per cross connect | | First/Add'l |
| PE1P2 | 2-wire | | $0.31 | $54.21/$51.07 |
| PE1P4 | 4-wire | | $0.62 | $54.23/$50.96 |
| PE1P1 | DS-1 | | $1.92 | $99.23/$69.15 |
| PE1P3 | DS-3 | | $39.94 | $97.48/$66.90 |
| PE1F2 | 2-fiber | | $15.64 | $41.56/$29.82 |
| PE1F4 | 4-fiber | | $28.11 | $50.53/$38.78 |

| KENTUCKY (continued) | | | | |
|---|---|---|---|---|
| **USOC** | **Rate Element Description** | **Unit** | **Recurring Rate (RC)** | **Non-Recurring Rate (NRC)** |
| | Co-Carrier Cross-Connect | | | |
| PE1ES | Fiber Cable Support Structure | Per linear ft. | $.003 | $540.00 |
| PE1DS | Copper or Coaxial Cable Support Structure | Per linear ft. | $.004 | $540.00 |
| | | | | |
| PE1AX | Security Access System Security System* | Per premises | $52.00 | |
| | New Access Card Activation | Per card | | $55.00 |
| PE1AA | Administrative change, existing card | Per card | | $35.00 |
| PE1AR | Replace lost or stolen card | Per card | | $250.00 |
| | | | | |
| PE1SR | Space Availability Report | Per premises requested | | $550.00 |
| | | | | |
| | POT Bay Arrangements *Prior to 6/1/99* | Per cross-connect | | |
| PE1PE | 2-Wire Cross-Connect | | $0.06 | NA |
| PE1PF | 4-Wire Cross-Connect | | $0.15 | NA |
| PE1PG | DS1 Cross-Connect | | $0.58 | NA |
| PE1PH | DS3 Cross-Connect | | $4.51 | NA |
| PE1B2 | 2 Fiber Cross-Connect | | $38.79 | NA |
| PE1B4 | 4 Fiber Cross-Connect | | $52.31 | NA |
| | | | | |
| | Security Escort | Per half hr./Add'l half hr. | | |
| PE1BT | Basic Time | | NA | $56.09/$31.99 |
| PE1OT | Overtime | | NA | $67.75/$39.00 |
| PE1PT | Premium Time | | NA | $79.41/$46.01 |
| | | | | |
| AEH | Additional Engineering Fee | Per request, first half hr/add'l half hr. | | First/Add'l Basic Time $31.00/$22.00 Overtime $37.00/$26.00 |

N/A refers to rate elements which do not have a negotiated rate.

# EXHIBIT A: BELLSOUTH/Z-Tel RATES – LOUISIANA PHYSICAL COLLOCATION

**Rates marked with an asterisk (*) are interim and are subject to true-up.**

| USOC | Rate Element Description | Unit | Recurring Rate (RC) | Non-Recurring Rate (NRC) |
|---|---|---|---|---|
| PE1BA | Application Fee | Per request | NA | $4,910.00 |
| | | | | |
| PE1CA | Subsequent Application Fee | Per request | NA | $1,600.00 Minimum |
| | | | | |
| | Space Preparation Fee | | | |
| | Firm Order Processing* | | | $1,211.00 |
| | Central Office Modifications* | Per sq. ft. | $2.58 | |
| | Common Systems Modifications – Cageless* | Per sq. ft. | $2.96 | |
| | Common Systems Modifications – Caged* | Per cage | $100.66 | |
| | | | | |
| | Space Enclosure (100 sq. ft. minimum) | | | |
| PE1BW | Welded Wire-mesh | Per first 100 sq. ft. | $197.55 | NA |
| PE1CW | Welded Wire-mesh | Per add'l 50 sq. ft. | $20.07 | NA |
| | | | | |
| PE1PJ | Floor Space | Per sq. ft. | $4.01 | NA |
| | | | | |
| PE1BD | Cable Installation | Per cable | NA | $1,706.00 Disconnect charge $36.00 |
| | | | | |
| PE1PM | Cable Support Structure | Per entrance cable | $24.05 | NA |
| | | | | |
| | Power | | | |
| PE1PL | -48V DC Power | Per amp | $8.86 | |
| PE1FB | 120V AC Power single phase* | Per breaker amp | $5.50 | ICB |
| PE1FD | 240V AC Power single phase* | Per breaker amp | $11.00 | ICB |
| PE1FE | 120V AC Power three phase* | Per breaker amp | $16.50 | ICB |
| PE1FG | 277 AC Power three phase* | Per breaker amp | $38.20 | ICB |
| | | | | |
| | Cross Connects **(Note 1)** | Per cross connect | | First/Add'l |
| PE1P2 | 2-wire | | $0.26 | $23.04/$22.11 |
| PE1P4 | 4-wire | | $0.52 | $23.23/$22.24 |
| PE1P1 | DS-1 | | $2.03 | $43.61/$30.60 |
| PE1P3 | DS-3 | | $36.27 | $41.46/$29.20 |

| LOUISIANA (continued) | | | | |
|---|---|---|---|---|
| **USOC** | **Rate Element Description** | **Unit** | **Recurring Rate (RC)** | **Non-Recurring Rate (NRC)** |
| | Cross Connects (continued) | Per cross connect | | First/Add'l |
| PE1F2 | 2-fiber | | $19.13 | $41.07/$29.63 |
| PE1F4 | 4-fiber | | $34.38 | $49.81/$38.37 |
| | | | | Disconnect Charges |
| | | | | First/Add'l |
| | 2-wire | | | $9.48/$8.54 |
| | 4-wire | | | $9.53/$8.55 |
| | DS-1 | | | $9.56/$8.63 |
| | DS-3 | | | $11.06/$8.86 |
| | 2-fiber | | | $12.84/$10.29 |
| | 4-fiber | | | $16.75/$14.20 |
| | | | | |
| | Co-Carrier Cross-Connect | | | |
| PE1ES | Fiber Cable Support Structure | Per linear ft. | $.003 | $540.00 |
| PE1DS | Copper or Coaxial Cable Support Structure | Per linear ft. | $.004 | $540.00 |
| | | | | |
| PE1AX | Security Access System Security System* | Per premises | $52.00 | |
| | New Access Card Activation* | Per card | | $55.00 |
| PE1AA | Administrative change, existing card* | Per card | | $35.00 |
| PE1AR | Replace lost or stolen card | Per card | | $250.00 |
| | | | | |
| PE1SR | Space Availability Report* | Per premises requested | | $550.00 |
| | | | | |
| | POT Bay Arrangements *Prior to 6/1/99* | Per cross-connect | | |
| PE1PE | 2-Wire Cross-Connect | | $0.0776 | NA |
| PE1PF | 4-Wire Cross-Connect | | $0.1552 | NA |
| PE1PG | DS1 Cross-Connect | | $0.6406 | NA |
| PE1PH | DS3 Cross-Connect | | $4.75 | NA |
| PE1B2 | 2 Fiber Cross-Connect | | $47.44 | NA |
| PE1B4 | 4 Fiber Cross-Connect | | $63.97 | NA |
| | | | | |
| AEH | Additional Engineering Fee | Per request, first half hr/add'l half hr. | | First/Add'l Basic Time $31.00/$22.00 Overtime $37.00/$26.00 |

| LOUISIANA (continued) | | | | |
|---|---|---|---|---|
| **USOC** | **Rate Element Description** | **Unit** | **Recurring Rate (RC)** | **Non-Recurring Rate (NRC)** |
| | Security Escort | Per half hr./Add'l half hr. | | |
| PE1BT | Basic Time | | NA | $32.35/$19.95 |
| PE1OT | Overtime | | NA | $40.50/$25.00 |
| PE1PT | Premium Time | | NA | $48.66/$30.05 |

**Note(s):**

N/A refers to rate elements which do not have a negotiated rate.

(1) **Cross Connects**: The charges for cross connects are for orders placed electronically. Cross connect elements may also be ordered manually for which there is an additional charge per element.

| | | Disconnect Charges |
|---|---|---|
| | First / Additional | First / Additional |
| 2-wire | $24.92/$23.99 | $10.56/$9.62 |
| 4-wire | $25.11/$24.12 | $10.61/$9.63 |
| DS-1 | $45.49/$32.48 | $10.64/$9.71 |
| DS-3 | $43.34/$31.08 | $12.14/$9.94 |

# EXHIBIT A: BELLSOUTH/Z-Tel RATES – MISSISSIPPI PHYSICAL COLLOCATION

**Rates marked with an asterisk (*) are interim and are subject to true-up.**

| USOC | Rate Element Description | Unit | Recurring Rate (RC) | Non-Recurring Rate (NRC) |
|---|---|---|---|---|
| PE1BA | Application Fee | Per request | NA | $6,993.00<br>Disconnect Charge $1.70 |
| | | | | |
| PE1CA | Subsequent Application Fee | Per request | NA | $1,600.00 Minimum |
| | | | | |
| | Space Preparation Fee<br>Firm Order Processing*<br>Central Office Modifications*<br>Common Systems Modifications – Cageless*<br>Common Systems Modifications – Caged* | <br><br>Per sq. ft.<br>Per sq. ft.<br><br>Per cage | <br><br>$2.58<br>$2.96<br><br>$100.66 | <br><br>$1,211.00 |
| | | | | |
| | Space Enclosure(100 sq. ft. minimum) | | | |
| PE1BW | Welded Wire-mesh | Per first 100 sq. ft. | $205.08 | NA |
| PE1CW | Welded Wire-mesh | Per add'l 50 sq. ft. | $20.83 | NA |
| | | | | |
| PE1PJ | Floor Space | Per sq. ft. | $3.45 | |
| | | | | |
| PE1BD | Cable Installation | Per cable | NA | $2,419.00 Disconnection charge $53.24 |
| | | | | |
| PE1PM | Cable Support Structure | Per entrance cable | $22.90 | NA |
| | | | | |
| | Power | | | |
| PE1PL | -48V DC Power | Per amp | $8.86 | |
| PE1FB | 120V AC Power single phase* | Per breaker amp | $5.50 | ICB |
| PE1FD | 240V AC Power single phase* | Per breaker amp | $11.00 | ICB |
| PE1FE | 120V AC Power three phase* | Per breaker amp | $16.50 | ICB |
| PE1FG | 277 AC Power three phase* | Per breaker amp | $38.20 | ICB |
| | | | | |
| | Cross Connects **(Note 1)** | Per cross connect | | First/Add'l |
| PE1P2 | 2-wire | | $.3996 | $30.93/$29.59 |
| PE1P4 | 4-wire | | $.7992 | $31.17/$29.77 |

| MISSISSIPPI (continued) | | | | |
|---|---|---|---|---|
| **USOC** | **Rate Element Description** | **Unit** | **Recurring Rate (RC)** | **Non-Recurring Rate (NRC)** |
| | Cross Connects (continued) | Per cross connect | | First/Add'l |
| PE1P1 | DS-1 | | $2.90 | $60.42/$41.68 |
| PE1P3 | DS-3 | | $53.31 | $57.45/$39.81 |
| PE1F2 | 2-fiber | | $15.64 | $41.56/$29.82 |
| PE1F4 | 4-fiber | | $28.11 | $50.53/$38.78 |
| | | | | Disconnect Charges First/Add'l |
| | 2-wire | | | $12.76/$11.43 |
| | 4-wire | | | $12.83/$11.43 |
| | DS-1 | | | $12.87/$11.54 |
| | DS-3 | | | $14.92/$11.80 |
| | 2-fiber | | | $12.96/$10.34 |
| | 4-fiber | | | $16.97/$14.35 |
| | | | | |
| | Co-Carrier Cross-Connect | | | |
| PE1ES | Fiber Cable Support Structure | Per linear ft. | $.003 | $540.00 |
| PE1DS | Copper or Coaxial Cable Support Structure | Per linear ft. | $.004 | $540.00 |
| | | | | |
| PE1AX | Security Access System Security System* | Per premises | $52.00 | |
| | New Access Card Activation* | Per card | | $55.00 |
| PE1AA | Administrative change, existing card* | Per card | | $35.00 |
| PE1AR | Replace lost or stolen card | Per card | | $250.00 |
| | | | | |
| PE1SR | Space Availability Report* | Per premises requested | | $550.00 |
| | | | | |
| | POT Bay Arrangements *Prior to 6/1/99* | Per cross-connect | | |
| PE1PE | 2-Wire Cross-Connect | | $0.1195 | NA |
| PE1PF | 4-Wire Cross-Connect | | $0.2389 | NA |
| PE1PG | DS1 Cross-Connect | | $0.9862 | NA |
| PE1PH | DS3 Cross-Connect | | $5.81 | NA |
| PE1B2 | 2 Fiber Cross-Connect | | $38.79 | NA |
| PE1B4 | 4 Fiber Cross-Connect | | $52.31 | NA |
| | | | | |
| AEH | Additional Engineering Fee | Per request, first half hr/add'l half hr | | First/Add'l Basic Time $31.00/$22.00 Overtime $37.00/$26.00 |

| MISSISSIPPI (continued) | | | | |
|---|---|---|---|---|
| **USOC** | **Rate Element Description** | **Unit** | **Recurring Rate (RC)** | **Non-Recurring Rate (NRC)** |
| | Security Escort | Per half hr./Add'l half hr. | | |
| PE1BT | Basic Time | | NA | $42.87/$25.54 |
| PE1OT | Overtime | | NA | $54.43/$32.41 |
| PE1PT | Premium Time | | NA | $65.99/$39.28 |

**Note(s):**

N/A refers to rate elements which do not have a negotiated rate.

(1) **Cross Connects**: The charges for cross connects are for orders placed electronically. Cross connect elements may also be ordered manually for which there is an additional charge per element.

| | | Disconnect Charges |
|---|---|---|
| | First / Additional | First / Additional |
| 2-wire | $33.58 / $32.24 | $14.27 / $12.94 |
| 4-wire | $33.82 / $32.42 | $14.34 / $12.94 |
| DS-1 | $63.07 / $44.33 | $14.38 / $13.05 |
| DS-3 | $60.10 / $42.46 | $16.43 / $13.31 |

# EXHIBIT A: BELLSOUTH/Z-Tel RATES – NORTH CAROLINA PHYSICAL COLLOCATION

**Rates marked with an asterisk (*) are interim and are subject to true-up.**

| USOC | Rate Element Description | Unit | Recurring Rate (RC) | Non-Recurring Rate (NRC) |
|---|---|---|---|---|
| PE1BA | Application Fee | Per request | NA | $3,850.00 |
| | | | | |
| PE1CA | Subsequent Application Fee | Per request | NA | $1,600.00 Minimum |
| | | | | |
| | Space Preparation Fee | | | |
| | Central Office Modification | Per sq. ft. | $1.57 | |
| | Common Systems Modification – Cageless | Per sq. ft. | $3.26 | |
| | Common Systems Modification – Caged | Per cage | $110.79 | |
| | Power | Per nominal –48v DC Amp | $5.76 | |
| | | | | |
| | Space Enclosure (100 sq. ft. minimum) | | | |
| PE1BW | Welded Wire-mesh | Per first 100 sq. ft. | $102.76 | NA |
| PE1CW | Welded Wire-mesh | Per add'l 50 sq. ft. | $10.44 | NA |
| | | | | |
| PE1PJ | Floor Space | Per sq. ft. | $3.45 | NA |
| | | | | |
| PE1BD | Cable Installation | Per cable | NA | $2,305.00 |
| | | | | |
| PE1PM | Cable Support Structure | Per entrance cable | $21.33 | NA |
| | | | | |
| | Power | | | |
| PE1PL | -48V DC Power | Per amp | $6.65 | ICB |
| PE1FB | 120V AC Power single phase* | Per breaker amp | $5.50 | ICB |
| PE1FD | 240V AC Power single phase* | Per breaker amp | $11.00 | ICB |
| PE1FE | 120V AC Power three phase* | Per breaker amp | $16.50 | ICB |
| PE1FG | 277 AC Power three phase* | Per breaker amp | $38.20 | ICB |
| | | | | |
| | Cross Connects **(Note 1)** | Per cross connect | | First/Add'l |
| PE1P2 | 2-wire | | $0.32 | $41.78/$39.23 |
| PE1P4 | 4-wire | | $0.64 | $41.91/$39.25 |
| PE1P1 | DS-1 | | $2.34 | $71.02/$51.08 |
| PE1P3 | DS-3 | | $42.84 | $69.84/$49.43 |
| PE1F2 | 2-fiber | | $15.99 | $67.34/$48.55 |
| PE1F4 | 4-fiber | | $28.74 | $82.35/$63.56 |

| NORTH CAROLINA (continued) | | | | |
|---|---|---|---|---|
| **USOC** | **Rate Element Description** | **Unit** | **Recurring Rate (RC)** | **Non-Recurring Rate (NRC)** |
| | Co-Carrier Cross-Connect | | | |
| PE1ES | Fiber Cable Support Structure | Per linear ft. | $.003 | $540.00 |
| PE1DS | Copper or Coaxial Cable Support Structure | Per linear ft. | $.004 | $540.00 |
| | | | | |
| PE1AX | Security Access System Security System* | Per premises | $52.00 | |
| | New Access Card Activation* | Per card | | $55.00 |
| PE1AA | Administrative change, existing card* | Per card | | $35.00 |
| PE1AR | Replace lost or stolen card | Per card | | $250.00 |
| | | | | |
| PE1SR | Space Availability Report* | Per premises requested | | $550.00 |
| | | | | |
| | POT Bay Arrangements *Prior to 6/1/99* | Per cross-connect | | |
| PE1PE | 2-Wire Cross-Connect | | $0.10 | NA |
| PE1PF | 4-Wire Cross-Connect | | $0.19 | NA |
| PE1PG | DS1 Cross-Connect | | $0.79 | NA |
| PE1PH | DS3 Cross-Connect | | $4.85 | NA |
| PE1B2 | 2 Fiber Cross-Connect | | $39.67 | NA |
| PE1B4 | 4 Fiber Cross-Connect | | $53.49 | NA |
| | | | | |
| | Security Escort | Per half hr./Add'l half hr. | | |
| PE1BT | Basic Time | | NA | $42.92/$25.56 |
| PE1OT | Overtime | | NA | $54.51/$32.44 |
| PE1PT | Premium Time | | NA | $66.10/$39.32 |
| | | | | |
| AEH | Additional Engineering Fee | Per request, first half hr/add'l half hr. | | First/Add'l Basic Time $31.00/$22.00 Overtime $37.00/$26.00 |

## EXHIBIT A: BELLSOUTH/Z-Tel RATES – NORTH CAROLINA PHYSICAL COLLOCATION (continued)

**Note(s):**

N/A refers to rate elements which do not have a negotiated rate.

(1) **Cross Connect:** The charges for cross connects are for orders placed electronically. Cross connect elements may also be ordered manually for which there is an additional charge per element.

| | First/Additional |
|---|---|
| 2-wire | $46.53/$43.98 |
| 4-wire | $46.64/$43.98 |
| DS-1 | $75.72/$55.78 |
| DS-3 | $74.54/$54.13 |

# EXHIBIT A: BELLSOUTH/Z-Tel RATES – SOUTH CAROLINA PHYSICAL COLLOCATION

**Rates marked with an asterisk (*) are interim and are subject to true-up.**

| USOC | Rate Element Description | Unit | Recurring Rate (RC) | Non-Recurring Rate (NRC) |
|---|---|---|---|---|
| PE1BA | Application Fee | Per request | NA | $4,850.00 |
| | | | | |
| PE1CA | Subsequent Application Fee | Per request | NA | $1,600.00 Minimum |
| | | | | |
| | Space Preparation Fee | | | |
| | Firm Order Processing* | | | $1,211.00 |
| | Central Office Modifications* | Per sq. ft. | $2.58 | |
| | Common Systems Modifications – Cageless* | Per sq. ft. | $2.96 | |
| | Common Systems Modifications – Caged* | Per cage | $100.66 | |
| | | | | |
| | Space Enclosure (100 sq. ft. minimum) | | | |
| PE1BW | Welded Wire-mesh | Per first 100 sq. ft. | $224.60 | NA |
| PE1CW | Welded Wire-mesh | Per add'l 50 sq. ft. | $22.81 | NA |
| | | | | |
| PE1PJ | Floor Space | Per sq. ft. | $3.90 | NA |
| | | | | |
| PE1BD | Cable Installation | Per cable | NA | $2,217.00 |
| | | | | |
| PE1PM | Cable Support Structure | Per entrance cable | $24.55 | NA |
| | | | | |
| | Power | | | |
| PE1PL | -48V DC Power | Per amp | $8.86 | |
| PE1FB | 120V AC Power single phase* | Per breaker amp | $5.50 | ICB |
| PE1FD | 240V AC Power single phase* | Per breaker amp | $11.00 | ICB |
| PE1FE | 120V AC Power three phase* | Per breaker amp | $16.50 | ICB |
| PE1FG | 277 AC Power three phase* | Per breaker amp | $38.20 | ICB |
| | | | | |
| | Cross Connects **(Note 1)** | Per cross connect | | First/Add'l |
| PE1P2 | 2-wire | | $.3648 | $41.50/$38.94 |
| PE1P4 | 4-wire | | $.7297 | $41.56/$38.90 |
| PE1P1 | DS-1 | | $2.70 | $70.79/$50.78 |
| PE1P3 | DS-3 | | $49.24 | $69.60/$49.14 |
| PE1F2 | 2-fiber | | $15.06 | $69.28/$48.89 |
| PE1F4 | 4-fiber | | $27.08 | $84.07/$63.68 |

| SOUTH CAROLINA (continued) | | | | |
|---|---|---|---|---|
| **USOC** | **Rate Element Description** | **Unit** | **Recurring Rate (RC)** | **Non-Recurring Rate (NRC)** |
| | Co-Carrier Cross-Connect | | | |
| PE1ES | Fiber Cable Support Structure | Per linear ft. | $.003 | $540.00 |
| PE1DS | Copper or Coaxial Cable Support Structure | Per linear ft. | $.004 | $540.00 |
| | | | | |
| PE1AX | Security Access System Security System* | Per premises | $52.00 | |
| | New Access Card Activation* | Per card | | $55.00 |
| PE1AA | Administrative change, existing card* | Per card | | $35.00 |
| PE1AR | Replace lost or stolen card | Per card | | $250.00 |
| | | | | |
| PE1SR | Space Availability Report* | Per premises requested | | $550.00 |
| | | | | |
| | POT Bay Arrangements *Prior to 6/1/99* | Per cross-connect | | |
| PE1PE | 2-Wire Cross-Connect | | $0.1091 | NA |
| PE1PF | 4-Wire Cross-Connect | | $0.2181 | NA |
| PE1PG | DS1 Cross-Connect | | $0.9004 | NA |
| PE1PH | DS3 Cross-Connect | | $5.64 | NA |
| PE1B2 | 2 Fiber Cross-Connect | | $37.36 | NA |
| PE1B4 | 4 Fiber Cross-Connect | | $50.38 | NA |
| | | | | |
| | Security Escort | Per half hr./Add'l half hr. | | |
| PE1BT | Basic Time | | NA | $43.00/$25.57 |
| PE1OT | Overtime | | NA | $54.62/$32.46 |
| PE1PT | Premium Time | | NA | $66.24/$39.35 |
| | | | | |
| AEH | Additional Engineering Fee | Per request, first half hr/add'l half hr. | | First/Add'l Basic Time $31.00/$22.00 Overtime $37.00/$26.00 |

## EXHIBIT A: BELLSOUTH/Z-Tel RATES – SOUTH CAROLINA PHYSICAL COLLOCATION (continued)

**Note(s):**

N/A refers to rate elements which do not have a negotiated rate.

(1) **Cross Connects**: The charges for cross connects are for orders placed electronically. Cross connect elements may also be ordered manually for which there is an additional charge per element.

| | First / Additional |
|---|---|
| 2-wire | $46.66 / $44.10 |
| 4-wire | $46.68 / $44.02 |
| DS-1 | $75.88 / $55.87 |
| DS-3 | $74.69 / $54.23 |

# EXHIBIT A: BELLSOUTH/Z-Tel RATES – TENNESSEE PHYSICAL COLLOCATION

*** Rates are interim and are subject to true-up.**

| USOC | Rate Element Description | Unit | Recurring Rate (RC) | Non-Recurring Rate (NRC) |
|---|---|---|---|---|
| PE1BA | Application Fee | Per request | NA | $3,850.00 |
| | | | | |
| PE1CA | Subsequent Application Fee | Per request | NA | $1,600.00 Minimum |
| | | | | |
| | Space Preparation Fee | | | |
| | Firm Order Processing* | | | $1,211.00 |
| | Central Office Modifications* | Per sq. ft. | $2.58 | |
| | Common Systems Modifications – Cageless* | Per sq. ft. | $2.96 | |
| | Common Systems Modifications – Caged* | Per cage | $100.66 | |
| | | | | |
| | Space Enclosure (100 sq. ft. minimum) | | | |
| PE1BW | Welded Wire-mesh | Per first 100 sq. ft. | $190.79 | NA |
| PE1CW | Welded Wire-mesh | Per add'l 50 sq. ft. | $19.38 | NA |
| | | | | |
| PE1PJ | Floor Space | Per sq. ft. | $7.50 | NA |
| | | | | |
| PE1BD | Cable Installation | Per cable | NA | $2,750.00 |
| | | | | |
| PE1PM | Cable Support Structure | Per entrance cable | $13.35 | NA |
| | | | | |
| | Power | | | |
| PE1PL | -48V DC Power | Per amp | $8.86 | |
| PE1FB | 120V AC Power single phase* | Per breaker amp | $5.50 | ICB |
| PE1FD | 240V AC Power single phase* | Per breaker amp | $11.00 | ICB |
| PE1FE | 120V AC Power three phase* | Per breaker amp | $16.50 | ICB |
| PE1FG | 277 AC Power three phase* | Per breaker amp | $38.20 | ICB |
| | | | | |
| | Cross Connects | Per cross connect | | First/Add'l |
| PE1P2 | 2-wire | | $0.30 | $19.20/$19.20 |
| PE1P4 | 4-wire | | $0.50 | $19.20/$19.20 |
| PE1P1 | DS-1 | | $8.00 | $155.00/$27.00 |
| PE1P3 | DS-3 | | $72.00 | $155.00/$27.00 |
| PE1F2 | 2-fiber | | $15.64 | $41.56/$29.82 |
| PE1F4 | 4-fiber | | $28.11 | $50.53/$38.78 |

| TENNESSEE (continued) | | | | |
|---|---|---|---|---|
| **USOC** | **Rate Element Description** | **Unit** | **Recurring Rate (RC)** | **Non-Recurring Rate (NRC)** |
| | Co-Carrier Cross-Connect | | | |
| PE1ES | Fiber Cable Support Structure | Per linear ft. | $.003 | $540.00 |
| PE1DS | Copper or Coaxial Cable Support Structure | Per linear ft. | $.004 | $540.00 |
| | | | | |
| PE1AX | Security Access System Security System | Per premises | $52.00 | |
| | New Access Card Activation | Per card | | $55.00 |
| PE1AA | Administrative change, existing card | Per card | | $35.00 |
| PE1AR | Replace lost or stolen card | Per card | | $250.00 |
| | | | | |
| PE1SR | Space Availability Report* | Per premises requested | | $550.00 |
| | | | | |
| | POT Bay Arrangements *Prior to 6/1/99* | Per cross-connect | | |
| PE1PE | 2-Wire Cross-Connect | | $0.40 | NA |
| PE1PF | 4-Wire Cross-Connect | | $1.20 | NA |
| PE1PG | DS1 Cross-Connect | | $1.20 | NA |
| PE1PH | DS3 Cross-Connect | | $8.00 | NA |
| PE1B2 | 2 Fiber Cross-Connect | | $38.79 | NA |
| PE1B4 | 4 Fiber Cross-Connect | | $52.31 | NA |
| | | | | |
| | Security Escort | Per half hr./Add'l half hr. | | |
| PE1BT | Basic Time | | NA | $41.00/$25.00 |
| PE1OT | Overtime | | NA | $48.00/$30.00 |
| PE1PT | Premium Time | | NA | $55.00/$35.00 |
| | | | | |
| AEH | Additional Engineering Fee | Per request, first half hr/add'l half hr. | | First/Add'l Basic Time $31.00/$22.00 Overtime $37.00/$26.00 |

N/A refers to rate elements which do not have a negotiated rate.

**EXHIBIT B**


# ENVIRONMENTAL AND SAFETY PRINCIPLES

The following principles provide basic guidance on environmental and safety issues when applying for and establishing Physical Collocation arrangements.

## 1. GENERAL PRINCIPLES

1.1 Compliance with Applicable Law. BellSouth and Z-Tel agree to comply with applicable federal, state, and local environmental and safety laws and regulations including U.S. Environmental Protection Agency (USEPA) regulations issued under the Clean Air Act (CAA), Clean Water Act (CWA), Resource Conservation and Recovery Act (RCRA), Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), Superfund Amendments and Reauthorization Act (SARA), the Toxic Substances Control Act (TSCA), and OSHA regulations issued under the Occupational Safety and Health Act of 1970, as amended and NFPA and National Electrical Codes (NEC) and the NESC ("Applicable Laws"). Each Party shall notify the other if compliance inspections are conducted by regulatory agencies and/or citations are issued that relate to any aspect of this Agreement.

1.2 Notice. BellSouth and Z-Tel shall provide notice to the other, including Material Safety Data Sheets (MSDSs), of known and recognized physical hazards or Hazardous Chemicals existing on site or brought on site. Each Party is required to provide specific notice for known potential Imminent Danger conditions. Z-Tel should contact 1-800-743-6737 for BellSouth MSDS sheets.

1.3 Practices/Procedures. BellSouth may make available additional environmental control procedures for Z-Tel to follow when working at a BellSouth Premises (See Section 2, below). These practices/procedures will represent the regular work practices required to be followed by the employees and contractors of BellSouth for environmental protection. Z-Tel will require its contractors, agents and others accessing the BellSouth Premises to comply with these practices. Section 2 lists the Environmental categories where BST practices should be followed by CLEC when operating in the BellSouth Premises.

1.4 Environmental and Safety Inspections. BellSouth reserves the right to inspect the Z-Tel space with proper notification. BellSouth reserves the right to stop any Z-Tel work operation that imposes Imminent Danger to the environment, employees or other persons in the area or Facility.

1.5 Hazardous Materials Brought On Site. Any hazardous materials brought into, used, stored or abandoned at the BellSouth Premises by Z-Tel are owned by Z-Tel. Z-Tel will indemnify BellSouth for claims, lawsuits or damages to persons or property

caused by these materials. Without prior written BellSouth approval, no substantial new safety or environmental hazards can be created by Z-Tel or different hazardous materials used by Z-Tel at BellSouth Facility. Z-Tel must demonstrate adequate emergency response capabilities for its materials used or remaining at the BellSouth Facility.

1.6 Spills and Releases. When contamination is discovered at a BellSouth Premises, the Party discovering the condition must notify BellSouth. All Spills or Releases of regulated materials will immediately be reported by Z-Tel to BellSouth.

1.7 Coordinated Environmental Plans and Permits. BellSouth and Z-Tel will coordinate plans, permits or information required to be submitted to government agencies, such as emergency response plans, spill prevention control and countermeasures (SPCC) plans and community reporting. If fees are associated with filing, BellSouth and Z-Tel will develop a cost sharing procedure. If BellSouth's permit or EPA identification number must be used, Z-Tel must comply with all of BellSouth's permit conditions and environmental processes, including environmental "best management practices (BMP)" (see Section 2, below) and/or selection of BST disposition vendors and disposal sites.

1.8 Environmental and Safety Indemnification. BellSouth and Z-Tel shall indemnify, defend and hold harmless the other Party from and against any claims (including, without limitation, third-party claims for personal injury or death or real or personal property damage), judgments, damages, (including direct and indirect damages, and punitive damages), penalties, fines, forfeitures, costs, liabilities, interest and losses arising in connection with the violation or alleged violation of any Applicable Law or contractual obligation or the presence or alleged presence of contamination arising out of the acts or omissions of the indemnifying Party, its agents, contractors, or employees concerning its operations at the Facility.

## 2. CATEGORIES FOR CONSIDERATION OF ENVIRONMENTAL ISSUES

When performing functions that fall under the following Environmental categories on BellSouth's Premises, Z-Tel agrees to comply with the applicable sections of the current issue of BellSouth's Environmental and Safety Methods and Procedures (M&Ps), incorporated herein by this reference. Z-Tel further agrees to cooperate with BellSouth to ensure that Z-Tel's employees, agents, and/or subcontractors are knowledgeable of and satisfy those provisions of BellSouth's Environmental M&Ps which apply to the specific Environmental function being performed by Z-Tel, its employees, agents and/or subcontractors.

The most current version of reference documentation must be requested from BellSouth.

| ENVIRONMENTAL CATEGORIES | ENVIRONMENTAL ISSUES | ADDRESSED BY THE FOLLOWING DOCUMENTATION |
|---|---|---|
| Disposal of hazardous material or other regulated material (e.g., batteries, fluorescent tubes, solvents & cleaning materials) | Compliance with all applicable local, state, & federal laws and regulations<br><br>Pollution liability insurance<br><br>EVET approval of contractor | • Std T&C 450<br>• Fact Sheet Series 17000<br><br>• Std T&C 660-3<br><br>• Approved Environmental Vendor List (Contact E/S Management) |
| Emergency response | Hazmat/waste release/spill firesafety emergency | • Fact Sheet Series 1700<br>• Building Emergency Operations Plan (EOP) (specific to and located on Premises) |
| Contract labor/outsourcing for services with environmental implications to be performed on BellSouth Premises (e.g., disposition of hazardous material/waste; maintenance of storage tanks) | Compliance with all applicable local, state, & federal laws and regulations<br><br>Performance of services in accordance with BST's environmental M&Ps<br><br>Insurance | • Std T&C 450<br><br>• Std T&C 450-B<br>• (Contact E/S for copy of appropriate E/S M&Ps.)<br><br>• Std T&C 660 |
| Transportation of hazardous material | Compliance with all applicable local, state, & federal laws and regulations<br><br>Pollution liability insurance<br><br>EVET approval of contractor | • Std T&C 450<br>• Fact Sheet Series 17000<br><br>• Std T&C 660-3<br><br>• Approved Environmental Vendor List (Contact E/S Management) |
| Maintenance/operations work which may produce a waste<br><br>Other maintenance work | Compliance with all application local, state, & federal laws and regulations<br><br>Protection of BST employees and equipment | • Std T&C 450<br><br>• 29CFR 1910.147 (OSHA Standard)<br>• 29CFR 1910 Subpart O (OSHA Standard) |
| Janitorial services | All waste removal and disposal | • P&SM Manager - |

| | | |
|---|---|---|
| | must conform to all applicable federal, state and local regulations<br><br>All Hazardous Material and Waste<br><br>Asbestos notification and protection of employees and equipment | Procurement<br><br>• Fact Sheet Series 17000<br><br>• GU-BTEN-001BT, Chapter 3<br>• BSP 010-170-001BS (Hazcom) |
| Manhole cleaning | Compliance with all applicable local, state, & federal laws and regulations<br><br>Pollution liability insurance<br><br>EVET approval of contractor | • Std T&C 450<br>• Fact Sheet 14050<br>• BSP 620-145-011PR Issue A, August 1996<br><br>• Std T&C 660-3<br><br>• Approved Environmental Vendor List (Contact E/S Management) |
| Removing or disturbing building materials that may contain asbestos | Asbestos work practices | • GU-BTEN-001BT, Chapter 3 |

## 3. DEFINITIONS

Generator. Under RCRA, the person whose act produces a Hazardous Waste, as defined in 40 CFR 261, or whose act first causes a Hazardous Waste to become subject to regulation. The Generator is legally responsible for the proper management and disposal of Hazardous Wastes in accordance with regulations.

Hazardous Chemical. As defined in the U.S. Occupational Safety and Health (OSHA) hazard communication standard (29 CFR 1910.1200), any chemical which is a health hazard or physical hazard.

Hazardous Waste. As defined in section 1004 of RCRA.

Imminent Danger. Any conditions or practices at a facility which are such that a danger exists which could reasonably be expected to cause immediate death or serious harm to people or immediate significant damage to the environment or natural resources.

Spill or Release. As defined in Section 101 of CERCLA.

## 4. ACRONYMS

E/S – Environmental/Safety

EVET - Environmental Vendor Evaluation Team

DEC/LDEC - Department Environmental Coordinator/Local Department Environmental Coordinator

GU-BTEN-001BT - BellSouth Environmental Methods and Procedures

NESC - National Electrical Safety Codes

P&SM - Property & Services Management

Std. T&C - Standard Terms & Conditions

# Attachment 5

# Access to Numbers and Number Portability

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## ACCESS TO NUMBERS AND NUMBER PORTABILITY

**1. Non-Discriminatory Access to Telephone Numbers**

All the negotiated rates, terms and conditions set forth in this Attachment pertain to the provisioning of local number portability.

1.1 During the term of this Agreement, Z-Tel shall contact the North American Numbering Plan Administrator, Neustar, for the assignment of numbering resources. In order to be assigned a Central Office Code, Z-Tel will be required to complete the Central Office Code (NXX) Assignment Request and Confirmation Form (Code Request Form) in accordance with Industry Numbering Committee's Central Office Code (NXX) Assignment Guidelines (INC 95-0407-008).

1.2 For the purposes of the resale of BellSouth's telecommunications services by Z-Tel, BellSouth will provide Z-Tel with on line access to telephone numbers for reservation on a first come first served basis. Such reservations of telephone numbers, on a pre-ordering basis shall be for a period of ninety (90) days. Z-Tel acknowledges that there may be instances where there is a shortage of telephone numbers in a particular CLLIC and in such instances BellSouth may request that Z-Tel cancel its reservations of numbers. Z-Tel shall comply with such request.

1.3. Further, upon Z-Tel request and for the purposes of the resale of BellSouth's telecommunications services by Z-Tel, BellSouth will reserve up to 100 telephone numbers per Common Language Location Identifier Code (CLLIC), for Z-Tel's sole use. Such telephone number reservations shall be transmitted to Z-Tel via electronic file transfer. Such reservations shall be valid for ninety (90) days from the reservation date. Z-Tel acknowledges that there may be instances where there is a shortage of telephone numbers in a particular CLLIC and in such instances BellSouth shall use its best efforts to reserve for a ninety (90) day period a sufficient quantity for Z-Tel's reasonable need in that particular CLLIC.

**2. Number Portability Permanent Solution**

2.1 The FCC, the Commissions, and industry forums have developed and BellSouth is implementing a permanent approach to providing service provider number portability. Both Parties will implement a permanent approach as developed and approved by the Commission, the FCC and industry forums. Consistent with the requirements to move to Permanent Number Portability (PNP) as set forth in Section 5 of this Attachment, Interim Service Provider Number Portability (SPNP) may be available only until such permanent solution is implemented in an end office.

2.2 End User Line Charge. Recovery of charges associated with implementing PNP through a monthly charge assessed to end users has been authorized by the FCC. This end user line charge will be as filed in FCC No. 1 and will be billed to Z-Tel where Z-

Tel is a subscriber to local switching or where Z-Tel is a reseller of BellSouth telecommunications services. This charge will not be discounted.

**3. Service Provider Number Portability**

3.1 Definition. Until the industry-wide permanent solution is implemented in an end office, BellSouth shall provide Service Provider Number Portability ("SPNP"). SPNP is an interim service arrangement whereby an end user who switches subscription of his local exchange service from BellSouth to a CLEC, or vice versa, is permitted to retain the use of his existing assigned telephone number, provided that the end user remains at the same location for his local exchange service or changes locations and service providers but stays within the same serving wire center of his existing number.

3.2 Methods of Providing Number Portability. SPNP is available through either remote call forwarding or direct inward dialing trunks, at the election of Z-Tel. Remote call forwarding (SPNP-RCF) is an existing switch-based BellSouth service that redirects calls within the telephone network. Direct inward dialing trunks (SPNP-DID) allow calls to be routed over a dedicated facility to the Z-Tel switch that serves the subscriber.

3.3 Signaling Requirements. SS7 Signaling is required for the provision of SPNP services. SPNP-DID is available from BellSouth on a per DS0, DS1, or DS3 basis. Where SPNP-DID is technically feasible and is provided on a DS1 or a DS3 basis, the applicable channelization rates are those specified in Section E6 in BellSouth's Intrastate Access Tariffs, incorporated herein by this reference. SPNP is available only for basic local exchange service.

3.4 Rates

Rates for SPNP are set out in Exhibit A to this Attachment. If no rate is identified in the Attachment, the rate for the specific service or function will be as set forth in applicable BellSouth tariff or as negotiated by the Parties upon request by either Party.

**4. SPNP Implementation**

4.1 SPNP is available only where a CLEC or BellSouth is currently providing, or will begin providing concurrent with provision of SPNP, basic local exchange service to the affected end user. SPNP for a particular telephone number is available only from the central office originally providing local exchange service to the end user. SPNP for a particular assigned telephone number will be disconnected when any end user, Commission, BellSouth, or CLEC initiated activity (e.g. a change in exchange boundaries) would normally result in a telephone number change had the end user retained his initial local exchange service.

4.2 SPNP-RCF, as contemplated by this Agreement, is a telecommunications service whereby a call dialed to an SPNP-RCF equipped telephone number is automatically forwarded to an assigned seven- or ten- digit telephone number within the local calling area as defined in BellSouth's General Subscriber Services Tariff. The forwarded-to number shall be specified by the CLEC or BellSouth, as appropriate. The forwarding Party will provide identification of the originating telephone number, via SS7 signaling, to the receiving Party. Identification of the originating telephone number to the SPNP-RCF end user cannot be guaranteed, however. SPNP-RCF provides a single call path for the forwarding of no more than one simultaneous call to the receiving Party's specified forwarded-to number.

4.3 SPNP-DID service, as contemplated by this Agreement, provides trunk side access to end office switches for direct inward dialing to the other Party's premises equipment from the telecommunications network to lines associated with the other Party's switching equipment and must be provided on all trunks in a group arranged for inward service. A SPNP-DID trunk termination charge, provided with SS7 Signaling only, applies for each trunk voice grade equivalent. In addition, direct facilities are required from the end office where a ported number resides to the end office serving the ported end user customer. The rates for a switched local channel and switched dedicated transport apply as contained in BellSouth's Intrastate Access Services tariff, as said tariff is amended from time to time. Transport mileage will be calculated as the airline distance between the end office where the number is ported and the Point of Interface ("POI") using the V&H coordinate method. SPNP-DID must be established with a minimum configuration of two channels and one unassigned telephone number per switch, per arrangement for control purposes. Transport facilities arranged for SPNP-DID may not be mixed with any other type of trunk group, with no outgoing calls placed over said facilities. SPNP-DID will be provided only where such facilities are available and where the switching equipment of the ordering Party is properly equipped. Where SPNP-DID service is required from more than one wire center or from separate trunk groups within the same wire center, such service provided from each wire center or each trunk group within the same wire center shall be considered a separate service. Only customer-dialed sent-paid calls will be completed to the first number of a SPNP-DID number group; however, there are no restrictions on calls completed to other numbers of a SPNP-DID number group. Sent-paid calls refer to those calls placed by an end user who physically deposits currency in a public telephone. Interface group arrangements provided for terminating the switched transport at the Party's terminal location are as set forth in of BellSouth's Intrastate Access Services Tariff, § E6.1.3.A as amended from time to time.

4.3.1 SPNP-DID Service requires ordering consecutive telephone numbers in blocks of twenty. To order non-consecutive telephone numbers or telephone numbers in less than blocks of twenty, the NBR process must be used. SS7 Signaling is required for the provision of either of these services.

4.4 The calling Party shall be responsible for payment of the applicable charges for sent-paid calls to the SPNP number. For collect, third-party, or other operator-assisted non-sent paid calls to the ported telephone number, BellSouth or the CLEC shall be responsible for the payment of charges under the same terms and conditions for which the end user would have been liable for those charges. Either Party may request that the other block collect and third party non-sent paid calls to the SPNP-assigned telephone number. If a Party does not request blocking, the other Party will provide itemized local usage detail for the billing of non-sent paid calls on the monthly bill of usage charges provided at the individual end user account level. The detail will include itemization of all billable usage. Each Party shall have the option of receiving this usage data on a daily basis via a data file transfer arrangement. This arrangement will utilize the existing industry uniform standard, known as EMR standards, for exchange of billing data. Files of usage data will be created daily for the optional service. Usage originated and recorded in the sending BellSouth RAO will be provided in unrated or rated format, depending on processing system. CLEC usage originated elsewhere and delivered via CMDS to the sending BellSouth RAO shall be provided in rated format.

4.5 Each Party shall be responsible for obtaining authorization from the end user for the handling of the disconnection of the end user's service, the provision of new local service and the provision of SPNP services. Each Party shall be responsible for coordinating the provision of service with the other to assure that its switch is capable of accepting SPNP ported traffic. Each Party shall be responsible for providing equipment and facilities that are compatible with the other's service parameters, interfaces, equipment and facilities and shall be required to provide sufficient terminating facilities and services at the terminating end of an SPNP call to adequately handle all traffic to that location and shall be solely responsible to ensure that its facilities, equipment and services do not interfere with or impair any facility, equipment, or service of the other Party or any of its end users. In the event that either Party determines in its reasonable judgment that the other Party will likely impair or is impairing, or interfering with any equipment, facility or service or any of its end users, that Party may either refuse to provide SPNP service or may terminate SPNP service to the other Party after providing appropriate notice.

4.6 Each Party shall be responsible for providing an appropriate intercept announcement service for any telephone numbers subscribed to SPNP services for which it is not presently providing local exchange service or terminating to an end user. Where either Party chooses to disconnect or terminate any SPNP service, that Party shall be responsible for designating the preferred standard type of announcement to be provided.

4.7 Each Party shall be the other Party's single point of contact for all repair calls on behalf of each Party's end user. Each Party reserves the right to contact the other Party's customers if deemed necessary for maintenance purposes.

4.8 Neither Party shall be responsible for adverse effects on any service, facility or equipment from the use of SPNP services. End-to-end transmission characteristics may vary depending on the distance and routing necessary to complete calls over SPNP facilities and the fact that another carrier is involved in the provisioning of service. Therefore, end-to-end transmission characteristics cannot be specified by either Party for such calls. Neither Party shall be responsible to the other if any necessary change in protection criteria or in any of the facilities, operation, or procedures of either renders any facilities provided by the other Party obsolete or renders necessary modification of the other Party's equipment.

4.9 For terminating IXC traffic ported to either Party which requires use of either Party's tandem switching, the tandem provider will bill the IXC tandem switching, the interconnection charge, and a portion of the transport, and the other Party will bill the IXC local switching, the carrier common line and a portion of the transport. If the tandem provider is unable to provide the necessary access records to permit the other Party to bill the IXC directly for terminating access to ported numbers, then the tandem provider will bill the IXC full terminating switched access charges at the tandem provider's rate and will compensate the other Party at the tandem Party's tariff rates via a process used by BellSouth to estimate the amount of ported switched access revenues due the other Party. If an intraLATA toll call is delivered, the delivering Party will pay terminating access rates to the other Party. This subsection does not apply in cases where SPNP-DID is utilized for number portability.

## 5. Transition to Permanent Number Portability

5.1 Once a PNP is implemented in an end office both Parties must withdraw their SPNP offerings. The transition from existing SPNP arrangements to PNP shall occur within one hundred twenty (120) days from the date PNP is implemented in the end office. Neither Party shall charge the other Party for conversion from SPNP to PNP. The Parties shall comply with any SPNP/PNP transition processes established by the FCC and State commissions and appropriate industry number portability work groups.

5.2 Notwithstanding the foregoing, the Parties acknowledge that the FCC has determined once LNP has been deployed pursuant to the FCC's orders, rules and regulations, that all local exchange carriers (LECs) have the duty to provide LNP. Therefore, either Party, at any time, may seek appropriate legal or regulatory relief concerning the transition from INP to LNP or other related issues.

## 6. True-up

**This section applies only to North Carolina and Tennessee and other rates that are interim or expressly subject to true-up under this attachment.**

6.1 The interim prices for Network Elements and Other Services and Local Interconnection shall be subject to true-up according to the following procedures:

The interim prices shall be trued-up, either up or down, based on final prices determined either by further agreement between the Parties, or by a final order (including any appeals) of the Commission which final order meets the criteria of (3) below. The Parties shall implement the true-up by comparing the actual volumes and demand for each item, together with interim prices for each item, with the final prices determined for each item. Each Party shall keep its own records upon which the true-up can be based, and any final payment from one Party to the other shall be in an amount agreed upon by the Parties based on such records. In the event of any disagreement as between the records or the Parties regarding the amount of such true-up, the Parties agree that the body having jurisdiction over the matter shall be called upon to resolve such differences, or the Parties may mutually agree to submit the matter to the Dispute Resolution process in accordance with the provisions in the General Terms and Conditions and Attachment 1 of this Agreement.

6.2 The Parties may continue to negotiate toward final prices, but in the event that no such agreement is reached within nine (9) months, either Party may petition the Commission to resolve such disputes and to determine final prices for each item. Alternatively, upon mutual agreement, the Parties may submit the matter to the Dispute Resolution Process set forth in the General Terms and Conditions and Attachment 1 of the Agreement incorporated herein by reference, so long as they file the resulting Agreement with the Commission as a "negotiated Agreement" under Section 252(e) of the Act.

6.3 A final order of this Commission that forms the basis of a true-up shall be the final order as to prices based on appropriate cost studies, or potentially may be a final order in any other Commission proceeding which meets the following criteria:

(a) BellSouth and CLEC is entitled to be a full Party to the proceeding;
(b) It shall apply the provisions of the federal Telecommunications Act of 1996, including but not limited to Section 252(d)(1) (which contains pricing standards) and all then-effective implementing rules and regulations; and,
(c) It shall include as an issue the geographic deaveraging of network element prices, which deaveraged prices, if any are required by said final order, shall form the basis of any true-up.

## 7. Operational Support System (OSS) Rates

BellSouth has developed and made available the following mechanized systems by which Z-Tel may submit LSRs electronically.

| | |
|---|---|
| LENS | Local Exchange Navigation System |
| EDI | Electronic Data Interchange |
| TAG | Telecommunications Access Gateway |

LSRs submitted by means of one of these interactive interfaces will incur an OSS electronic ordering charge as specified in the table below. An individual LSR will be

identified for billing purposes by its Purchase Order Number (PON). LSRs submitted by means other than one of these interactive interfaces (mail, fax, courier, etc.) will incur a manual order charge as specified in the table below:

| OPERATIONAL SUPPORT SYSTEMS | AL, GA, LA, MS, SC | FL, KY, NC, TN |
|---|---|---|
| OSS LSR charge, per LSR received from the CLEC by one of the OSS interactive interfaces | $3.50<br>SOMEC | $3.50<br>SOMEC |
| Incremental charge per LSR received from the CLEC by means other than one of the OSS interactive interfaces | See applicable rate element | $19.99<br>SOMAN |

Note: In addition to the OSS charges, applicable discounted service order and related discounted charges apply per the tariff.

Denial/Restoral OSS Charge

In the event Z-Tel provides a list of customers to be denied and restored, rather than an LSR, each location on the list will require a separate PON and, therefore will be billed as one LSR per location.

Cancellation OSS Charge

Z-Tel will incur an OSS charge for an accepted LSR that is later canceled by Z-Tel.

Note: Supplements or clarifications to a previously billed LSR will not incur another OSS charge.

Network Elements and Other Services Manual Additive

The Commissions in Alabama, Georgia, Louisiana, Mississippi and South Carolina have ordered incremental manual non-recurring charges (NRC) for network elements and other services ordered by means other than one of the interactive interfaces. These ordered network elements and other services manual additive NRCs will apply in these states, rather than the charge per LSR.

Threshold Billing Plan

The Parties agree that Z-Tel will incur the mechanized rate for all LSRs, both mechanized and manual, if the percentage of mechanized LSRs to total LSRs meets or exceeds the threshold percentages shown below:

| Year | Ratio: Mechanized/Total LSRs |
|---|---|
| 2000 | 80% |
| 2001 | 90% |

The threshold plan will be discontinued in 2002.

BellSouth will track the total LSR volume for each CLEC for each quarter. At the end of that time period, a Percent Electronic LSR calculation will be made for that quarter based on the LSR data tracked in the LCSC. If this percentage exceeds the threshold volume, all of that CLECs'

future manual LSRs will be billed at the mechanized LSR rate. To allow time for obtaining and analyzing the data and updating the billing system, this billing change will take place on the first day of the second month following the end of the quarter (e.g. May 1 for 1Q, Aug 1 for 2Q, etc.). There will be no adjustments to the amount billed for previously billed LSRs.

**BELLSOUTH/Z-TEL RATES**
**SERVICE PROVIDER**
**NUMBER PORTABILITY**

| DESCRIPTION | USOC | RATES BY STATE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | AL | FL | GA | KY | LA | MS | NC | SC | TN |
| **INTERIM SERVICE PROVIDER NUMBER PORTABILITY - RCF** | | | | | | | | | | |
| **RCF, per number ported (Business Line), 10 paths** | TNPBL | NA | NA | NA | NA | NA | NA | $2 25 | NA | NA |
| **RCF, per number ported (Residence Line), 6 paths** | TNPRL | NA | NA | NA | NA | NA | NA | $1 15 | NA | NA |
| **RCF, per number ported (Business Line)** | TNPBL | $2.13 | NA | $2 03 | NA | $2 29 | $2 34 | $1 66 | $2 17 | $1 50 |
| NRC - Electronic | TNPBL | $0 65 | NA | $0 51 | NA | $0 49 | $0 6441 | $0 71 | $0 7046 | NA |
| NRC - Disconnect Charge | TNPBL | $0 07 | NA | NA | NA | $0 05 | $0 0644 | $0 50 | NA | NA |
| **RCF, per number ported (Residence Line)** | TNPRL | $2 13 | NA | $2 03 | NA | $2 29 | $2 34 | $1 66 | $2 17 | $1 25 |
| NRC | TNPRL | $0 65 | NA | $0 51 | NA | $0 49 | $0 6441 | $0 71 | $0 7046 | NA |
| NRC - Disconnect Charge | TNPRL | $0 07 | NA | NA | NA | $0 05 | $0 0644 | $0 50 | NA | NA |
| **RCF, add'l capacity for simultaneous call forwarding, per additional path** | N/A | $0 32 | NA | $0.2836 | NA | $0 38 | $0 3838 | $0 32 | $0 3854 | $0 50 |
| **RCF, per service order, per location** | (++) Bus = TNPBD Res = TNPRD | | | | | | | | | |
| NRC - 1st | TNP++ | $1 44 | NA | $2 10 | NA | $2 02 | $2 84 | $2 73 | $1 37 | $25 00 |
| NRC - Add'l | TNP++ | $1 44 | NA | $2 10 | NA | $2 02 | $2 84 | $2 73 | $1 37 | $25 00 |
| NRC - Disconnect - 1st | TNP++ | $1 44 | NA | NA | NA | $2 01 | $2 84 | NA | NA | NA |
| NRC - Disconnect - Add'l | TNP++ | $1 44 | NA | NA | NA | $2 01 | $2 84 | NA | NA | NA |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAN | $27 37 | NA | NA | NA | $18 14 | $25 52 | $45 80 | NA | NA |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAN | $27.37 | NA | NA | NA | $18 14 | $25 52 | $45 80 | NA | NA |
| NRC - Incremental Charge - Manual Service Order - Disconnect - 1st | SOMAN | $17 77 | NA | NA | NA | $11 41 | $16 06 | NA | $44 70 | NA |
| NRC - Incremental Charge - Manual Service Order - Disconnect - Add'l | SOMAN | $17 77 | NA | NA | NA | $11 41 | $16 06 | NA | $44 70 | NA |
| **INTERIM SERVICE PROVIDER NUMBER PORTABILITY - DID** | | | | | | | | | | |
| **DID per number ported, Residence - NRC** | TNPDR | $1 18 | NA | $0 93 | NA | $0 89 | $1 17 | $2 25 | $2 25 | NA |
| **DID per number ported, Residence - NRC - Disconnect** | TNPDR | $1 18 | NA | NA | NA | $0 90 | $1 17 | NA | NA | NA |
| **DID per number ported, Business - NRC** | TNPDB | $1 18 | NA | $0 93 | NA | $0 89 | $1 17 | $2 25 | $2 25 | NA |
| **DID per number ported, Business - NRC - Disconnect** | TNPDB | $1 18 | NA | NA | NA | $0 90 | $1 17 | NA | NA | NA |
| **DID per service order, per location** | | | | | | | | | | |
| NRC - 1st | TNPRD | $1 44 | NA | $2 10 | NA | $2 02 | $2 84 | $2 73 | $1 37 | NA |
| NRC - Add'l | TNPRD | $1 44 | NA | $2 10 | NA | $2 02 | $2 84 | $2 73 | $1 37 | NA |
| NRC - Disconnect - 1st | TNPRD | $1 44 | NA | NA | NA | $2 01 | $2 84 | NA | $44 70 | NA |
| NRC - Disconnect - Add'l | TNPRD | $1 44 | NA | NA | NA | $2 01 | $2 84 | NA | $44 70 | NA |
| NRC - Incremental Charge - Manual Service Order - 1st | SOMAN | $27 37 | NA | $18 94 | NA | $18 14 | $25 52 | $45 80 | NA | NA |
| NRC - Incremental Charge - Manual Service Order - Add'l | SOMAN | $27 37 | NA | NA | NA | $18 14 | $25 52 | $45 80 | NA | NA |
| NRC - Incremental Charge - Manual Service Order - Disconnect - 1st | SOMAN | $17 77 | NA | NA | NA | $11 41 | $16 06 | NA | NA | NA |
| NRC - Incremental Charge - Manual Service Order - Disconnect - Add'l | SOMAN | $17 77 | NA | NA | NA | $11 41 | $16 06 | NA | NA | NA |
| DID per trunk termination, Initial | TNPT2 | $11 84 | NA | $10 73 | NA | $12 46 | $13 78 | $11 43 | $13 16 | NA |
| DID per trunk termination, Initial - NRC | TNPT2 | $173 73 | NA | $135 47 | NA | $129 69 | $171 68 | $217 88 | $218 03 | NA |
| DID, per trunk termination, Initial - Disconnect | TNPT2 | $50 43 | NA | NA | NA | $37 85 | $49 86 | NA | NA | NA |
| DID, per trunk termination, Subsequent | TNPT2 | $11 84 | NA | $10 73 | NA | $12 46 | $13 78 | $11 43 | $13 16 | NA |
| DID, per trunk termination, Subsequent - NRC | TNPT2 | $51 35 | NA | $39 53 | NA | $37 85 | $50 69 | $73 56 | $73 63 | NA |
| DID, per trunk termination, Subsequent - Disconnect | TNPT2 | $25 00 | NA | NA | NA | $18 75 | $24 71 | NA | NA | NA |

**NOTES**

If no rate is specified in the contract the rate for the specific service or function will be as set forth in applicable BellSouth tariff or as negotiated by the Parties upon request by either Party

1 Until the FCC issues its order implementing a cost recovery mechanism for permanent number portability the Company will track its costs of providing interim SPNP with sufficient detail to verify the costs This will facilitate the Florida PSCs consideration of the recovery of these costs in Docket 950737-TP (FL)

2 BellSouth and CLEC will each bear their own costs of providing remote call forwarding as an interim number portability option. (KY)

# Attachment 6

# Ordering and Provisioning

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# ORDERING AND PROVISIONING

## 1. Quality of Ordering and Provisioning

All the negotiated terms and conditions set forth in this Attachment pertain to ordering and provisioning.

1.1 BellSouth shall provide ordering and provisioning services to Z-Tel that are equal to the ordering and provisioning services BellSouth provides to itself or any other CLEC. In the event that a state or federal regulatory body determines specific intervals for ordering and provisioning services, BellSouth agrees to incorporate those specific service levels in this agreement as of the effective date of the effective order specifying said intervals, and the Parties agree to amend this Agreement to reflect such change.

1.2 The guidelines for ordering and provisioning are set forth in BellSouth Ordering Guide for CLECs, the BellSouth Guide to Interconnection, BellSouth Pre-Ordering and Ordering Overview Guide, BellSouth Pre-order Business Rules, Customer GuidesBellSouth Business Rules for Local Ordering, BellSouth Workaid for Ordering Complex Services, LNP Ordering Guide for CLEC's, and the Electronic Business Rules for Local Ordering and the Local Exchange Ordering Implementation Guide, as appropriate, and as they are amended from time to time during this Agreement. The guides may be referenced at the following site:
http://www.interconnection.bellsouth.com/guides/guides_p.html.

1.3 BellSouth shall provide all ordering and provisioning services to Z-Tel during the same business hours of operation that BellSouth provisions service to its affiliates or end users. Ordering and provisioning support required by Z-Tel outside of these hours will be considered outside of normal business hours and will be subject to overtime billing. For purposes of this Agreement, BellSouth's regular working hours are defined as follows:

1.3.1 Monday – Friday – 8:00 a.m. – 6:00 p.m. (Excluding Holidays)
(Resale/UNE non-coordinated, coordinated orders and order coordination-time specific)

1.3.2 Saturday - 8:00 a.m. – 6:00 p.m (Excluding Holidays)
(Resale/UNE non-coordinated orders)

Times are either Eastern or Central time based on the location of the work being performed.

1.4 It is understood and agreed that BellSouth technicians involved in provisioning service to Z-Tel may work shifts outside of BellSouth's regular working hours as

defined in Section 1.3 above (e.g., the employee's shift ends at 7:00 p.m. during daylight savings time). To the extent that Z-Tel requests that work necessarily required in the provisioning of service to be performed outside BellSouth's regular working hour and that work is performed by a BellSouth technician during his or her scheduled shift such that BellSouth does not incur any additional costs in performing the work on behalf of Z-Tel, BellSouth will not assess Z-Tel additional charges beyond the rates and charges specified in this Agreement.

All other Z-Tel requests for provisioning and installation services are considered outside of the normal hours of operation and may be performed subject to the application of overtime billing charges

1.5 Occasionally, it may be necessary to conduct both scheduled and non-scheduled system maintenance during normal hours of operation. Z-Tel will be formally notified by BellSouth using best efforts, of scheduled maintenance activites, at least 10 business days in advance of such activities. In the unlikely event of a system failure or problem and BellSouth finds it necessary to perform non-scheduled maintenance of the OSS or other CLEC impacting ordering and provisioning systems during normal hours of operation, designated CLEC representative(s) will be notified immediately and informed of the estimated down time and reason for non-scheduled maintenance.

2. Access to Operations Support Systems

2.1 BellSouth shall provide Z-Tel access to operations support systems ("OSS") functions for pre-ordering, ordering and provisioning, maintenance and repair and billing. Access to the OSS is available through a variety of means, including electronic interfaces. BellSouth also provides a manual option of receiving LSR's via FAX. The OSS functions available to CLECs through electronic interfaces are:

2.2 Pre-Ordering. BellSouth provides electronic access to the following pre-ordering functions: service address validation, telephone number selection, service and feature availability, due date information, and in accordance to Commission confidentiality guidelines , to customer record information. Access is provided through the Local Exchange Navigation System (LENS) interface, , and the Telecommunications Access Gateway (TAG) interface. Customer Record Information includes but is not limited to, customer specific information in CRIS and RSAG. In addition, Z-Tel shall provide to BellSouth access to customer record information including electronic access where available. Otherwise, Z-Tel shall provide paper copies of customer record information within the same interval BellSouth provides such records to Z-Tel, upon request by BellSouth. The parties agree not to view, copy, or otherwise obtain access to the customer record information of any customer without that customer's permission and further agrees that Z-Tel and BellSouth will obtain access to customer record information only in strict compliance with applicable laws, rules, or regulations of the State in which the service is provided.

2.3 Service Ordering and Provisioning. BellSouth provides electronic options for the exchange of ordering and provisioning information . BellSouth provides an Electronic Data Interchange (EDI) interface, the TAG ordering interface for non-complex and certain complex resale requests and certain network elements. The EDI interface can be integrated with the TAG pre-ordering interface by Z-Tel in a manner which allows Z-Tel to mechanically populate the LSR with Customer Record Information. There may be programming required on Z-Tel's part to accommodate this capability. BellSouth provides integrated pre-ordering, ordering and provisioning capability through the LENS interface for non-complex and certain complex resale service requests. BellSouth provides integrated pre-ordering, ordering and provisioning capability through the LENS interface for 2-wire voice grade residential, business, and PBX loop/port combinations. Z-Tel may further utilize LENS for ordering other loop/port combinations when/if developed by BellSouth in the future.

2.4 Service Trouble Reporting and Repair. Service trouble reporting and repair allows Z-Tel to report and monitor service troubles and obtain repair services. BellSouth shall offer Z-Tel service trouble reporting in a non-discriminatory manner that provides Z-Tel the equivalent ability to report and monitor service troubles that BellSouth provides to itself. BellSouth also provides Z-Tel an estimated time to repair, an appointment time or a commitment time, as appropriate, on trouble reports. BellSouth provides several options for electronic trouble reporting. For exchange services, BellSouth offers Z-Tel non-discriminatory access to the Trouble Analysis Facilitation Interface (TAFI). In addition, BellSouth offers an industry standard, machine-to-machine Electronic Communications Trouble Administration (ECTA) Gateway interface. For designed services, BellSouth provides non-discriminatory trouble reporting ECTA Gateway. BellSouth also offers ECTA functionality through the human-to-machine EC-CPM/TA interface. Both Parties will abide by the pre-screening and screening guidelines for trouble reporting, statusing, resolution as outlined in BellSouth's "operation understanding" guides.

2.5 If the CLEC requests BellSouth to repair a trouble after normal working hours, and BellSouth incurs overtime charges to be paid to its employees, the CLEC will be billed the appropriate overtime charges associated with this request pursuant to BellSouth's tariffs. Billing will be charged using the same rates BellSouth charges to itself, it's affiliates, its end user or any other CLEC. Rates can be found in the GSST (non-designed loop and port combinations) and FFC#1 (designed services).

2.6 Change Management. BellSouth provides a collaborative process for change management of the electronic interfaces through the Electronic Interface Change Control Process ("EICCP). Guidelines for this process are set forth in the EICCP document, and as it is amended from time to time during this agreement.

2.7 Migration of Z-Tel to New Software Releases for National Standard Machine-to-Machine Electronic Interfaces. Pursuant to the change management process, BellSouth will issue new software releases for new industry standards for its industry standard, machine-to-machine electronic interfaces. When a new release of new

industry standards is implemented, BellSouth will continue to support both the new release (N) and the prior release (N-1). When BellSouth makes the next release (N+1), BellSouth will eliminate support for the (N-1) release and support the two newest releases (N and N+1). Thus, BellSouth will always support the two most current releases. BellSouth will issue documents to Z-Tel with sufficient notice to allow Z-Tel to make the necessary changes to their systems and operations to migrate to the newest release in a timely fashion.

2.8 Rates. Charges for use of OSS shall be as set forth in Attachments 1 and 2 of this Agreement.

## 3. Miscellaneous Ordering and Provisioning Guidelines

3.1 Pending Orders. To ensure the most efficient use of facilities and resources, orders placed in the hold or pending status by Z-Tel will be held for a maximum of thirty (30) days from the date the order is placed on hold. After such time, if Z-Tel wishes to reinstate an order, Z-Tel may be required to submit a new service order.

3.2 Single Point of Contact. Z-Tel will be the single point of contact with BellSouth for ordering activity for network elements and other services used by Z-Tel to provide services to its end users, except that BellSouth may accept an order directly from another CLEC, or BellSouth, acting with authorization of the affected end user. Z-Tel and BellSouth shall each execute a blanket letter of authorization with respect to customer orders. The Parties shall each be entitled to adopt their own internal processes for verification of customer authorization for orders, provided, however, that such processes shall comply with applicable state and federal law including, until superseded, the FCC guidelines and orders applicable to Presubscribed Interexchange Carrier (PIC) changes including Un-PIC. Pursuant to such an order, BellSouth may disconnect any network element associated with the service to be disconnected and being used by Z-Tel to provide service to that end user and reuse such network elements or facilities to enable such other LEC to provide service to the end user. BellSouth will notify Z-Tel that such an order has been processed, but will not be required to notify Z-Tel in advance of such processing.

3.3 Use of Facilities. When a customer of a CLEC elects to discontinue service and transfer service to another local exchange carrier, including BellSouth, BellSouth shall have the right to reuse the facilities provided to CLEC by BellSouth for retail or resale service, loop and/or port for that customer. In addition, BellSouth may disconnect and reuse facilities when the facility is in a denied state and BellSouth has received an order to establish new service or transfer of service from a customer or a customer's CLEC at the same address served by the denied facility.

3.3.1 Upon receipt of a service order, BellSouth will do the following:

3.3.1.1 Process disconnect and reconnect orders to provision the service which shall be due dated using current interval guidelines. The processing flow of these orders will be done in a manner which does not intentionally cause any service disruption to Z-Tel's customer's services, unless otherwise applicable according to the ordering activity types.

3.3.1.2 Reuse the serving facility for the retail, resale service, or network element(s) including combinations at the same location . The processing flow of these orders will be done in a manner which does not intentionally cause any service disruption to Z-Tel's customer's services, unless otherwise applicable according to the ordering activity types. In the event that numerous unintentional errors occur, the Parities will meet to resolve such errors.

3.3.1.3 Notify Z-Tel after the disconnect order has been completed.

3.4 Contact Numbers. The Parties agree to provide one another with toll-free nation-wide contact numbers for the purpose of ordering, provisioning and maintenance of services.

3.5 Subscription Functions. In cases where BellSouth performs subscription functions for an inter-exchange carrier (i.e. PIC and LPIC changes via Customer Account Record Exchange (CARE)), BellSouth will provide the affected inter-exchange carriers with the Operating Company Number (OCN) of the local provider for the purpose of obtaining end user billing account and other end user information required under subscription requirements.

3.6 Cancellation Charges. If Z-Tel cancels an order for network elements or other services, any costs incurred by BellSouth in conjunction with the provisioning of that order will be recovered in accordance with FCC No. 1 Tariff, Section 5.4.

# Attachment 7

# Billing and Billing Accuracy Certification

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# BILLING AND BILLING ACCURACY CERTIFICATION

1. **Payment and Billing Arrangements**

All negotiated rates, terms and conditions set forth in this Attachment pertain to billing and billing accuracy certifications.

1.1 Billing. BellSouth agrees to provide billing through the Carrier Access Billing System (CABS) and through the Customer Records Information System (CRIS) depending on the particular service(s) that Z-Tel requests. BellSouth will bill and record in accordance with this Agreement those charges Z-Tel incurs as a result of Z-Tel purchasing from BellSouth Network Elements and Other Services as set forth in this Agreement. BellSouth will format all bills in CBOS Standard or CLUB/EDI format, depending on the type of service ordered. For those services where standards have not yet been developed, BellSouth's billing format will change as necessary when standards are finalized by the industry forum.

1.1.1 For any service(s) BellSouth orders from Z-Tel, Z-Tel shall bill BellSouth in CABS format.

1.1.2 If either Party requests multiple billing media or additional copies of bills, the Billing Party will provide these at a reasonable cost.

1.2 Master Account. After receiving certification as a local exchange company from the appropriate regulatory agency, Z-Tel will provide the appropriate BellSouth account manager the necessary documentation to enable BellSouth to establish a master account for Local Interconnection, Network Elements and Other Services, and/or resold services. Such documentation shall include the Application for Master Account, proof of authority to provide telecommunications services, an Operating Company Number ("OCN") assigned by the National Exchange Carriers Association ("NECA"), Carrier Identification Code (CIC), Group Access Code (GAC), Access Customer Name and Address (ACNA) and a tax exemption certificate, if applicable.

1.3 Payment Responsibility. Payment of all charges will be the responsibility of Z-Tel. Z-Tel shall make payment to BellSouth for all services billed. BellSouth is not responsible for payments not received by Z-Tel from Z-Tel's customer. BellSouth will not become involved in billing disputes that may arise between Z-Tel and Z-Tel's customer. Payments made to BellSouth as payment on account will be credited to an accounts receivable master account and not to an end user's account.

1.4 Payment Due. The payment will be due on or before the next bill date (i.e., same date in the following month as the bill date) and is payable in immediately available funds. Payment is considered to have been made when received by BellSouth.

If the payment due date falls on a Sunday or on a Holiday which is observed on a Monday, the payment due date shall be the first non-Holiday day following such

Sunday or Holiday. If the payment due date falls on a Saturday or on a Holiday which is observed on Tuesday, Wednesday, Thursday, or Friday, the payment due date shall be the last non-Holiday day preceding such Saturday or Holiday. If payment is not received by the payment due date, a late payment penalty, as set forth in Section 1.7, below, shall apply.

1.5 Tax Exemption. Upon proof of tax exempt certification from Z-Tel, the total amount billed to Z-Tel will not include those taxes or fees for which the CLEC is exempt. Z-Tel will be solely responsible for the computation, tracking, reporting and payment of all taxes and like fees associated with the services provided to the end user of Z-Tel.

1.6 Late Payment. If any portion of the payment is received by BellSouth after the payment due date as set forth preceding, or if any portion of the payment is received by BellSouth in funds that are not immediately available to BellSouth, then a late payment penalty shall be due to BellSouth. The late payment penalty shall be the portion of the payment not received by the payment due date times a late factor and will be applied on a per bill basis. The late factor shall be as set forth in Section A2 of the General Subscriber Services Tariff, Section B2 of the Private Line Service Tariff or Section E2 of the Intrastate Access Tariff, whichever BellSouth determines is appropriate. Z-Tel will be charged a fee for all returned checks as set forth in Section A2 of the General Subscriber Services Tariff or pursuant to the applicable state law.

1.7 Discontinuing Service to Z-Tel. The procedures for discontinuing service to Z-Tel are as follows:

1.7.1 BellSouth reserves the right to suspend or terminate service for nonpayment of services or in the event of prohibited, unlawful or improper use of BellSouth facilities or service or any other violation or noncompliance by Z-Tel of the rules and regulations contained in BellSouth's tariffs.

1.7.2 If payment of account is not received by the bill date in the month after the original bill date, BellSouth may provide written notice to Z-Tel that additional applications for service will be refused and that any pending orders for service will not be completed if payment is not received by the fifteenth day following the date of the notice. In addition, BellSouth may, at the same time, give thirty (30)days notice to Z-Tel at the billing address to discontinue the provision of existing services to Z-Tel at any time thereafter.

1.7.3 In the case of such discontinuance, all billed charges, as well as applicable termination charges, shall become due.

1.7.4 If BellSouth does not discontinue the provision of the services involved on the date specified in the thirty days notice and Z-Tel's noncompliance continues, nothing

contained herein shall preclude BellSouth's right to discontinue the provision of the services to Z-Tel without further notice.

1.7.5 If payment is not received or satisfactory arrangements made for payment by the date given in the written notification, Z-Tel's services will be discontinued. Upon discontinuance of service on Z-Tel's account, service to the Z-Tel's end users will be denied. BellSouth will reestablish service at the request of the end user or Z-Tel for BellSouth to reestablish service upon payment of the appropriate connection fee and subject to BellSouth's normal application procedures. Z-Tel is solely responsible for notifying the end user of the proposed service disconnection. If within fifteen (15) days after an end user's service has been denied and no arrangements to reestablish service have been made consistent with this subsection, the end user's service will be disconnected.

1.8 Deposit Policy. When purchasing services from BellSouth, Z-Tel will be required to complete the BellSouth Credit Profile and provide information regarding credit worthiness. Based on the results of the credit analysis, the Company reserves the right to secure the account with a suitable form of security deposit. Such security deposit shall take the form of cash, an Irrevocable Letter of Credit (BellSouth form), Surety Bond (BellSouth form) or, in its sole discretion, some other form of security. Any such security deposit shall in no way release Z-Tel from his obligation to make complete and timely payments of his bill. Such security shall be required prior to the inauguration of service. If, in the sole opinion of BellSouth, circumstances so warrant and/or gross monthly billing has increased beyond the level initially used to determine the level of security, the BellSouth reserves the right to request additional security and/or file a Uniform Commercial Code (UCC1) security interest in Z-Tel's "accounts receivables and proceeds." Interest on a security deposit, if provided in cash, shall accrue and be paid in accordance with the terms in the appropriate BellSouth tariff.

1.9 Rates. Rates for Optional Daily Usage File (ODUF), Enhanced Optional Daily Usage File (EODUF), Access Daily Usage File (ADUF), and Centralized Message Distribution Service (CMDS) are set out in Exhibit A to this Attachment. If no rate is identified in this Attachment, the rate for the specific service or function will be as set forth in applicable BellSouth tariff or as negotiated by the Parties upon request by either Party.

## 2. Billing Accuracy Certification

2.1 Upon request, BellSouth and Z-Tel will agree upon a billing quality assurance program for all billing elements covered in this Agreement that will eliminate the need for post-billing reconciliation. Appropriate terms for access to any BellSouth documents, systems, records, and procedures for the recording and billing of charges will be part of that program.

2.2 As part of the billing quality assurance program, BellSouth and Z-Tel will develop standards, measurements, and performance requirements for a local billing measurements process. On a regular basis BellSouth will provide Z-Tel with mutually agreed upon performance measurement data that substantiates the accuracy, reliability, and integrity of the billing process for local billing. In return, Z-Tel will pay all bills received from BellSouth in full by the payment due date.

2.3 Local billing discrepancies will be addressed in an orderly manner via a mutually agreed upon billing exemption process.

2.3.1 Each Party agrees to notify the other Party upon identifying a billing discrepancy. The Parties shall endeavor to resolve any billing discrepancy within sixty (60) calendar days of the notification date. A mutually agreed upon escalation process will be established for resolving local billing discrepancies as part of the billing quality assurance program.

2.3.2 Closure of a specific billing period will occur by joint agreement of the Parties whereby the Parties agree that such billing period is closed to any further analysis and financial transactions except those resulting from regulatory mandates. Closure will take place within a mutually agreed upon time interval from the bill date. The month being closed represents those charges that were billed or should have been billed by the designated bill date.

**3. Billing Disputes**

3.1 Where the Parties have not agreed upon a billing quality assurance program, billing disputes shall be handled pursuant to the terms of this section.

3.1.1 Each Party agrees to notify the other Party in writing upon the discovery of a billing dispute. In the event of a billing dispute, the Parties will endeavor to resolve the dispute within sixty (60) calendar days of the notification date.

3.2 If a Party disputes a charge and does not pay such charge by the payment due date, or if a payment or any portion of a payment is received by either Party after the payment due date, or if a payment or any portion of a payment is received in funds which are not immediately available to the other Party, then a late payment penalty shall be assessed. For bills rendered by either Party for payment, the late payment charge for both Parties shall be calculated based on the portion of the payment not received by the payment due date times the late factor as set forth in the following BellSouth tariffs: for services purchased from the General Subscribers Services Tariff for purposes of resale and for ports and non-designed loops, Section A2 of the General Subscriber Services Tariff; for services purchased from the Private Line Tariff for purposes of resale, Section B2 of the Private Line Service Tariff and for network elements and other services and local interconnection charges, Section E2 of the

Access Service Tariff. In no event, however, shall interest be assessed by either Party on any previously assessed late payment charges. The Parties shall assess interest on previously assessed late payment charges only in a state where it has the authority pursuant to its tariffs.

## 4. RAO Hosting

4.1 RAO Hosting, Calling Card and Third Number Settlement System (CATS) and Non-Intercompany Settlement System (NICS) services provided to Z-Tel by BellSouth will be in accordance with the methods and practices regularly adopted and applied by BellSouth to its own operations during the term of this Agreement, including such revisions as may be made from time to time by BellSouth.

4.2 Z-Tel shall furnish all relevant information required by BellSouth for the provision of RAO Hosting, CATS and NICS.

4.3 Compensation amounts, if applicable, will be billed by BellSouth to Z-Tel on a monthly basis in arrears. Amounts due from one Party to the other (excluding adjustments) are payable within thirty (30) days of receipt of the billing statement.

4.4 Z-Tel must have its own unique hosted RAO code. Requests for establishment of RAO status where BellSouth is the selected Centralized Message Distribution System (CMDS) interfacing host, require written notification from Z-Telto the BellSouth RAO Hosting coordinator at least eight (8) weeks prior to the proposed effective date. The proposed effective date will be mutually agreed upon between the Parties with consideration given to time necessary for the completion of required Telcordia (formerly BellCore) functions. BellSouth will request the assignment of an RAO code from its connecting contractor, currently Telcordia (formerly BellCore), on behalf of Z-Tel and will coordinate all associated conversion activities.

4.5 BellSouth will receive messages from Z-Tel that are to be processed by BellSouth, another LEC or CLEC in the BellSouth region or a LEC outside the BellSouth region.

4.6 BellSouth will perform invoice sequence checking, standard EMI format editing, and balancing of message data with the EMI trailer record counts on all data received from Z-Tel.

4.7 All data received from Z-Tel that is to be processed or billed by another LEC or CLEC within the BellSouth region will be distributed to that LEC or CLEC in accordance with the Agreement(s) which may be in effect between BellSouth and the involved LEC or CLEC.

4.8 All data received from Z-Tel that is to be placed on the CMDS network for distribution outside the BellSouth region will be handled in accordance with the agreement(s) which may be in effect between BellSouth and its connecting contractor (currently Telcordia (formerly BellCore)).

4.9 BellSouth will receive messages from the CMDS network that are destined to be processed by Z-Tel and will forward them to Z-Tel on a daily basis.

4.10 Transmission of message data between BellSouth and Z-Tel will be via CONNECT:Direct.

4.11 All messages and related data exchanged between BellSouth and Z-Tel will be formatted in accordance with accepted industry standards for EMI formatted records and packed between appropriate EMI header and trailer records, also in accordance with accepted industry standards.

4.12 Z-Tel will ensure that the recorded message detail necessary to recreate files provided to BellSouth will be maintained for back-up purposes for a period of three (3) calendar months beyond the related message dates.

4.13 Should it become necessary for Z-Tel to send data to BellSouth more than sixty (60) days past the message date(s), Z-Tel will notify BellSouth in advance of the transmission of the data. If there will be impacts outside the BellSouth region, BellSouth will work with its connecting contractor and Z-Tel to notify all affected Parties.

4.14 In the event that data to be exchanged between the two Parties should become lost or destroyed, both Parties will work together to determine the source of the problem. Once the cause of the problem has been jointly determined and the responsible Party (BellSouth or Z-Tel) identified and agreed to, the company responsible for creating the data (BellSouth or Z-Tel) will make every effort to have the affected data restored and retransmitted. If the data cannot be retrieved, the responsible Party will be liable to the other Party for any resulting lost revenue. Lost revenue may be a combination of revenues that could not be billed to the end users and associated access revenues. Both Parties will work together to estimate the revenue amount based upon historical data through a method mutually agreed upon. The resulting estimated revenue loss will be paid by the responsible Party to the other Party within three (3) calendar months of the date of problem resolution, or as mutually agreed upon by the Parties.

4.15 Should an error be detected by the EMI format edits performed by BellSouth on data received from Z-Tel, the entire pack containing the affected data will not be processed by BellSouth. BellSouth will notify Z-Tel of the error condition. Z-Tel will correct the error(s) and will resend the entire pack to BellSouth for processing. In the event that an out-of-sequence condition occurs on subsequent packs, Z-Tel will resend these

packs to BellSouth after the pack containing the error has been successfully reprocessed by BellSouth.

4.16 In association with message distribution service, BellSouth will provide Z-Tel with associated intercompany settlements reports (CATS and NICS) as appropriate.

4.17 In no case shall either Party be liable to the other for any direct or consequential damages incurred as a result of the obligations set out in this Agreement.

4.18 RAO Compensation

4.18.1 Rates for message distribution service provided by BellSouth for Z-Tel are as set forth in Exhibit A to this Attachment.

4.18.2 Rates for data transmission associated with message distribution service are as set forth in Exhibit A to this Attachment .

4.18.3 Data circuits (private line or dial-up) will be required between BellSouth and Z-Tel for the purpose of data transmission. Where a dedicated line is required, Z-Tel will be responsible for ordering the circuit, overseeing its installation and coordinating the installation with BellSouth. Z-Tel will also be responsible for any charges associated with this line. Equipment required on the BellSouth end to attach the line to the mainframe computer and to transmit successfully ongoing will be negotiated on a case by case basis. Where a dial-up facility is required, dial circuits will be installed in the BellSouth data center by BellSouth and the associated charges assessed to Z-Tel. Additionally, all message toll charges associated with the use of the dial circuit by Z-Tel will be the responsibility of Z-Tel. Associated equipment on the BellSouth end, including a modem, will be negotiated on a case by case basis between the Parties.

4.18.4 All equipment, including modems and software, that is required on the Z-Tel end for the purpose of data transmission will be the responsibility of Z-Tel.

4.19 Intercompany Settlements Messages

4.19.1 This Section addresses the settlement of revenues associated with traffic originated from or billed by Z-Tel as a facilities based provider of local exchange telecommunications services outside the BellSouth region. Only traffic that originates in one Bell operating territory and bills in another Bell operating territory is included. Traffic that originates and bills within the same Bell operating territory will be settled on a local basis between Z-Tel and the involved company(ies), unless that company is participating in NICS.

4.19.2 Both traffic that originates outside the BellSouth region by Z-Tel and is billed within the BellSouth region, and traffic that originates within the BellSouth region and is billed outside the BellSouth region by Z-Tel, is covered by this Agreement (CATS).

Also covered is traffic that either is originated by or billed by Z-Tel, involves a company other than Z-Tel, qualifies for inclusion in the CATS settlement, and is not originated or billed within the BellSouth region (NICS).

4.19.3 Once Z-Tel is operating within the BellSouth territory, revenues associated with calls originated and billed within the BellSouth region will be settled via Telcordia (formerly BellCore)'s, its successor or assign, NICS system.

4.19.4 BellSouth will receive the monthly NICS reports from Telcordia (formerly BellCore), its successor or assign, on behalf of Z-Tel. BellSouth will distribute copies of these reports to Z-Telon a monthly basis.

4.19.5 BellSouth will receive the monthly Calling Card and Third Number Settlement System (CATS) reports from Telcordia (formerly BellCore), its successor or assign, on behalf of Z-Tel. BellSouth will distribute copies of these reports to Z-Tel on a monthly basis.

4.19.6 BellSouth will collect the revenue earned by Z-Tel from the Bell operating company in whose territory the messages are billed (CATS), less a per message billing and collection fee of five cents ($0.05), on behalf of Z-Tel. BellSouth will remit the revenue billed by Z-Tel to the Bell operating company in whose territory the messages originated, less a per message billing and collection fee of five cents ($0.05), on behalf on Z-Tel. These two amounts will be netted together by BellSouth and the resulting charge or credit issued to Z-Tel via a monthly Carrier Access Billing System (CABS) miscellaneous bill.

4.19.7 BellSouth will collect the revenue earned by Z-Tel within the BellSouth territory from another CLEC also within the BellSouth territory (NICS) where the messages are billed, less a per message billing and collection fee of five cents ($0.05), on behalf of Z-Tel. BellSouth will remit the revenue billed by Z-Tel within the BellSouth region to the CLEC also within the BellSouth region, where the messages originated, less a per message billing and collection fee of five cents ($0.05). These two amounts will be netted together by BellSouth and the resulting charge or credit issued to Z-Tel via a monthly Carrier Access Billing System (CABS) miscellaneous bill.

BellSouth and Z-Tel agree that monthly netted amounts of less than fifty dollars ($50.00) will not be settled.

## 5. Optional Daily Usage File

5.1 Upon written request from Z-Tel, BellSouth will provide the Optional Daily Usage File (ODUF) service to Z-Tel pursuant to the terms and conditions set forth in this section.

5.2 The Z-Tel shall furnish all relevant information required by BellSouth for the provision of the Optional Daily Usage File.

5.3 The Optional Daily Usage Feed will contain billable messages that were carried over the BellSouth Network and processed in the BellSouth Billing System, but billed to a Z-Tel customer.

Charges for delivery of the Optional Daily Usage File will appear on the Z-Tels' monthly bills. The charges are as set forth in Exhibit A to this Attachment.

5.4 The Optional Daily Usage Feed will contain both rated and unrated messages. All messages will be in the standard Alliance for Telecommunications Industry Solutions (ATIS) EMI record format.

5.5 Messages that error in the billing system of the Z-Tel will be the responsibility of the Z-Tel. If, however, the Z-Tel should encounter significant volumes (1-2 % of the total daily usage sent to Z-Tel) of errored messages that prevent processing by the Z-Tel within its systems, BellSouth will work with the Z-Tel to determine the source of the errors and the appropriate resolution. All usage issues identified and presented to BellSouth will be resolved as soon as technically feasible.

5.6 The following specifications shall apply to the Optional Daily Usage Feed.

5.6.1 Usage To Be Transmitted

5.6.1.1 The following messages recorded by BellSouth will be transmitted to the Z-Tel:

- Message recording for per use/per activation type services (examples: Three Way Calling, Verify, Interrupt, Call Return, ETC.)
- Measured billable Local
- Directory Assistance messages
- IntraLATA Toll
- WATS & 800 Service

- N11
- Information Service Provider Messages
- Operator Services Messages
- Operator Services Message Attempted Calls (Network Element only)
- Credit/Cancel Records
- Usage for Voice Mail Message Service

5.6.1.2 Rated Incollects (originated in BellSouth and from other companies) can also be on Optional Daily Usage File. Rated Incollects will be intermingled with BellSouth recorded rated and unrated usage. Rated Incollects will not be packed separately.

5.6.1.3 BellSouth will perform duplicate record checks on records processed to Optional Daily Usage File. Any duplicate messages detected will be deleted and not sent to Z-Tel.

5.6.1.4 In the event that Z-Tel detects a duplicate on Optional Daily Usage File they receive from BellSouth, Z-Tel will drop the duplicate message (Z-Tel will not return the duplicate to BellSouth).

5.6.2 Physical File Characteristics

5.6.2.1 The Optional Daily Usage File will be distributed to Z-Tel via an agreed medium with CONNECT:Direct being the preferred transport method. The Daily Usage Feed will be a variable block format (2476) with an LRECL of 2472. The data on the Daily Usage Feed will be in a non-compacted EMI format (175 byte format plus modules). It will be created on a daily basis (Monday through Friday except holidays). Details such as dataset name and delivery schedule will be addressed during negotiations of the distribution medium. There will be a maximum of one dataset per workday per OCN.

5.6.2.2 Data circuits (private line or dial-up) may be required between BellSouth and Z-Tel for the purpose of data transmission. Where a dedicated line is required, Z-Tel will be responsible for ordering the circuit, overseeing its installation and coordinating the installation with BellSouth. Z-Tel will also be responsible for any charges associated with this line. Equipment required on the BellSouth end to attach the line to the mainframe computer and to transmit successfully ongoing will be negotiated on a case by case basis. Where a dial-up facility is required, dial circuits will be installed in the BellSouth data center by BellSouth and the associated charges assessed to Z-Tel. Additionally, all message toll charges associated with the use of the dial circuit by Z-Tel will be the responsibility of Z-Tel. Associated equipment on the BellSouth end, including a modem, will be negotiated on a case by case basis between the Parties. All equipment, including modems and software, that is required on Z-Tel end for the purpose of data transmission will be the responsibility of Z-Tel.

5.6.3 Packing Specifications

5.6.3.1 A pack will contain a minimum of one message record or a maximum of 99,999 message records plus a pack header record and a pack trailer record. One transmission can contain a maximum of 99 packs and a minimum of one pack.

5.6.3.2 The OCN, From RAO, and Invoice Number will control the invoice sequencing. The From RAO will be used to identify to Z-Tel which BellSouth RAO that is sending the message. BellSouth and Z-Tel will use the invoice sequencing to control data exchange. BellSouth will be notified of sequence failures identified by Z-Tel and resend the data as appropriate.

The data will be packed using ATIS EMI records.

5.6.4 Pack Rejection

5.6.4.1 Z-Tel will notify BellSouth within one business day of rejected packs (via the mutually agreed medium). Packs could be rejected because of pack sequencing discrepancies or a critical edit failure on the Pack Header or Pack Trailer records (i.e. out-of-balance condition on grand totals, invalid data populated). Standard ATIS EMI Error Codes will be used. Z-Tel will not be required to return the actual rejected data to BellSouth. Rejected packs will be corrected and retransmitted to Z-Tel by BellSouth.

5.6.5 Control Data

Z-Tel will send one confirmation record per pack that is received from BellSouth. This confirmation record will indicate Z-Tel received the pack and the acceptance or rejection of the pack. Pack Status Code(s) will be populated using standard ATIS EMI error codes for packs that were rejected by Z-Tel for reasons stated in the above section.

5.6.6 Testing

5.6.6.1 Upon request from Z-Tel, BellSouth shall send test files to Z-Tel for the Optional Daily Usage File. The Parties agree to review and discuss the file's content and/or format. For testing of usage results, BellSouth shall request that Z-Tel set up a production (LIVE) file. The live test may consist of Z-Tel's employees making test calls for the types of services Z-Tel requests on the Optional Daily Usage File. These test calls are logged by Z-Tel, and the logs are provided to BellSouth. These logs will be used to verify the files. Testing will be completed within 30 calendar days from the date on which the initial test file was sent.

## 6. Access Daily Usage File

6.1. Upon written request from Z-Tel, BellSouth will provide the Access Daily Usage File (ADUF) service to Z-Tel pursuant to the terms and conditions set forth in this section.

6.2 The Z-Tel shall furnish all relevant information required by BellSouth for the provision of the Access Daily Usage File.

6.3 The Access Daily Usage Feed will contain access messages associated with a port that Z-Tel has purchased from BellSouth

6.4 Charges for delivery of the Access Daily Usage File will appear on the Z-Tels' monthly bills. The charges are as set forth in Exhibit A to this Attachment. All messages will be in the standard Alliance for Telecommunications Industry Solutions (ATIS) EMI record format.

6.5 Messages that error in the billing system of the Z-Tel will be the responsibility of the Z-Tel. If, however, the Z-Tel should encounter significant volumes of errored messages that prevent processing by the Z-Tel within its systems, BellSouth will work with the Z-Tel to determine the source of the errors and the appropriate resolution.

6 Usage To Be Transmitted

6.6.1 The following messages recorded by BellSouth will be transmitted to Z-Tel:

Originating and terminating interstate and intrastate access records associated with a port.

Terminating access records for undetermined jurisdiction access records associated with a port.

6.6.2 When Z-Tel purchases Network Element ports from BellSouth and calls are made using these ports, BellSouth will handle the calls as follows:

Originating from Network Element and carried by Interexchange Carrier:

BellSouth will bill network element to CLEC and send access record to the CLEC via ADUF

Originating from network element and carried by BellSouth (Z-Tel is BellSouth's toll customer):

BellSouth will bill resale toll rates to Z-Tel and send toll record for the end user toll billing purposes via ODUF (Optional Daily Usage File). Access record will be sent to Z-Tel via ADUF.

Terminating on network element and carried by Interexchange Carrier:

BellSouth will bill network element to Z-Tel and send access record to Z-Tel.

Terminating on network element and carried by BellSouth:

BellSouth will bill network element to Z-Tel and send access record to Z-Tel.

6.6.3 BellSouth will perform duplicate record checks on records processed to the Access Daily Usage File. Any duplicate messages detected will be dropped and not sent to Z-Tel.

6.6.4 In the event that Z-Tel detects a duplicate on the Access Daily Usage File they receive from BellSouth, Z-Tel will drop the duplicate message (Z-Tel will not return the duplicate to BellSouth.)

6.6.5 Physical File Characteristics

6.6.5.1 The Access Daily Usage File will be distributed to Z-Tel via an agreed medium with CONNECT:Direct being the preferred transport method. The Daily Usage Feed will be a fixed block format (2476) with an LRECL of 2472. The data on the Daily Usage Feed will be in a non-compacted EMI format (210 byte format plus modules). It will be created on a daily basis (Monday through Friday except holidays). Details such as dataset name and delivery schedule will be addressed during negotiations of the distribution medium. There will be a maximum of one dataset per workday per OCN.

6.6.5.2 Data circuits (private line or dial-up) may be required between BellSouth and Z-Tel for the purpose of data transmission. Where a dedicated line is required, Z-Tel will be responsible for ordering the circuit, overseeing its installation and coordinating the installation with BellSouth. Z-Tel will also be responsible for any charges associated with this line. Equipment required on the BellSouth end to attach the line to the mainframe computer and to transmit successfully ongoing will be negotiated on a case by case basis. Where a dial-up facility is required, dial circuits will be installed in the BellSouth data center by BellSouth and the associated charges assessed to Z-Tel. Additionally, all message toll charges associated with the use of the dial circuit by Z-Tel will be the responsibility of Z-Tel. Associated equipment on the BellSouth end, including a modem, will be negotiated on a case by case basis between the Parties. All equipment, including modems and software, that is required on Z-Tel end for the purpose of data transmission will be the responsibility of Z-Tel.

6.6.6 Packing Specifications

6.6.6.1 A pack will contain a minimum of one message record or a maximum of 99,999 message records plus a pack header record and a pack trailer record. One transmission can contain a maximum of 99 packs and a minimum of one pack.

6.6.6.2 The OCN, From RAO, and Invoice Number will control the invoice sequencing. The From RAO will be used to identify to Z-Tel which BellSouth RAO that is sending the message. BellSouth and Z-Tel will use the invoice sequencing to control data exchange. BellSouth will be notified of sequence failures identified by Z-Tel and resend the data as appropriate.

The data will be packed using ATIS EMI records.

6.6.7 Pack Rejection

6.6.7.1 Z-Tel will notify BellSouth within one business day of rejected packs (via the mutually agreed medium). Packs could be rejected because of pack sequencing discrepancies or a critical edit failure on the Pack Header or Pack Trailer records (i.e. out-of-balance condition on grand totals, invalid data populated). Standard ATIS EMI Error Codes will be used. Z-Tel will not be required to return the actual rejected data to BellSouth. Rejected packs will be corrected and retransmitted to Z-Tel by BellSouth.

6.6.8 Control Data

Z-Tel will send one confirmation record per pack that is received from BellSouth. This confirmation record will indicate Z-Tel received the pack and the acceptance or rejection of the pack. Pack Status Code(s) will be populated using standard ATIS EMI error codes for packs that were rejected by Z-Tel for reasons stated in the above section.

6.6.9 Testing

6.6.9.1 Upon request from Z-Tel, BellSouth shall send test files to Z-Tel for the Access Daily Usage File. Testing shall consist of actual calls made from live accounts. A call log shall be supplied along with test request information. The Parties agree to review and discuss the file's content and/or format.

## 7. Enhanced Optional Daily Usage File

7.1 Upon written request from Z-Tel, BellSouth will provide the Enhanced Optional Daily Usage File (EODUF) service to Z-Tel pursuant to the terms and conditions set forth in this section. EODUF will only be sent to existing ODUF subscribers who request the EODUF option.

7.2 The Z-Tel shall furnish all relevant information required by BellSouth for the provision of the Enhanced Optional Daily Usage File.

7.3 The Enhanced Optional Daily Usage File (EODUF) will provide usage data for local calls originating from resold Flat Rate Business and Residential Lines.

Charges for delivery of the Enhanced Optional Daily Usage File will appear on the Z-Tels' monthly bills. The charges are as set forth in Exhibit A to this Attachment.

7.4 All messages will be in the standard Alliance for Telecommunications Industry Solutions (ATIS) EMI record format.

7.5 Messages that error in the billing system of the Z-Tel will be the responsibility of the Z-Tel. If, however, the Z-Tel should encounter significant volumes of errored messages that prevent processing by the Z-Tel within its systems, BellSouth will work with the Z-Tel to determine the source of the errors and the appropriate resolution.

7.6 The following specifications shall apply to the Optional Daily Usage Feed.

7.6.1 Usage To Be Transmitted

7.6.1.1 The following messages recorded by BellSouth will be transmitted to the Z-Tel:

Customer usage data for flat rated local call originating from CLEC end user lines (1FB or 1FR). The EODUF record for flat rate messages will include:

Date of Call
From Number
To Number
Connect Time
Conversation Time
Method of Recording
From RAO
Rate Class
Message Type
Billing Indicators
Bill to Number

7.6.1.2 BellSouth will perform duplicate record checks on EODUF records processed to Optional Daily Usage File. Any duplicate messages detected will be deleted and not sent to Z-Tel.

7.6.1.3 In the event that Z-Tel detects a duplicate on Enhanced Optional Daily Usage File they receive from BellSouth, Z-Tel will drop the duplicate message (Z-Tel will not return the duplicate to BellSouth).

7.6.2 Physical File Characteristics

7.6.2.1 The Enhanced Optional Daily Usage Feed will be distributed to Z-Tel over their existing Optional Daily Usage File (ODUF) feed. The EODUF messages will be intermingled among Z-Tel's Optional Daily Usage File (ODUF) messages. The EODUF will be a variable block format (2476) with an LRECL of 2472. The data on

the EODUF will be in a non-compacted EMI format (175 byte format plus modules). It will be created on a daily basis (Monday through Friday except holidays).

7.6.2.2 Data circuits (private line or dial-up) may be required between BellSouth and Z-Tel for the purpose of data transmission. Where a dedicated line is required, Z-Tel will be responsible for ordering the circuit, overseeing its installation and coordinating the installation with BellSouth. Z-Tel will also be responsible for any charges associated with this line. Equipment required on the BellSouth end to attach the line to the mainframe computer and to transmit successfully ongoing will be negotiated on a case by case basis. Where a dial-up facility is required, dial circuits will be installed in the BellSouth data center by BellSouth and the associated charges assessed to Z-Tel. Additionally, all message toll charges associated with the use of the dial circuit by Z-Tel will be the responsibility of Z-Tel. Associated equipment on the BellSouth end, including a modem, will be negotiated on a case by case basis between the Parties. All equipment, including modems and software, that is required on Z-Tel end for the purpose of data transmission will be the responsibility of Z-Tel.

7.6.3 Packing Specifications

7.6.3.1 A pack will contain a minimum of one message record or a maximum of 99,999 message records plus a pack header record and a pack trailer record. One transmission can contain a maximum of 99 packs and a minimum of one pack.

7.6.3.2 The Operating Company Number (OCN), From Revenue Accounting Office (RAO), and Invoice Number will control the invoice sequencing. The From RAO will be used to identify to Z-Tel which BellSouth RAO that is sending the message. BellSouth and Z-Tel will use the invoice sequencing to control data exchange. BellSouth will be notified of sequence failures identified by Z-Tel and resend the data as appropriate.

The data will be packed using ATIS EMI records.

**BELLSOUTH/Z-TEL RATES**
**ODUF/EDOUF/ADUF/CMDS**

| DESCRIPTION | USOC | RATES BY STATE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | AL | FL | GA | KY | LA | MS | NC | SC | TN |
| **ODUF/EODUF/ADUF/CMDS** | | | | | | | | | | |
| ODUF: Recording, per message | N/A | $0 0002 | $0 008 | $0 008 | $0 0008611 | $0 00019 | $0 0001179 | $0 008 | $0 0002862 | $0 008 |
| ODUF: Message Processing, per message | N/A | $0 0033 | $0 004 | $0 004 | $0 0032357 | $0 0024 | $0 0032089 | $0 004 | $0 0032344 | $0 004 |
| EODUF: Message Processing, per message | N/A | $0.004 | $0 004 | $0 004 | $0 004 | $0 004 | $0 004 | $0 004 | $0 004 | $0 004 |
| ADUF: Message Processing, per message | N/A | $0 004 | $0 004 | $0 004 | $0 004 | $0 004 | $0 004 | $0 004 | $0 004 | $0 004 |
| CMDS: Message Processing, per message | N/A | $0 004 | $0 004 | $0 004 | $0 004 | $0 004 | $0 004 | $0 004 | $0 004 | $0 004 |
| ODUF: Message Processing, per magnetic tape provisioned | N/A | $55 19 | $54 95 | $54 95 | $55 68 | $47 30 | $54 62 | $54 95 | $54 72 | $54 95 |
| EODUF: Message Processing, per magnetic tape provisioned | N/A | $47 30 | $47 30 | $47 30 | $47 30 | $47 30 | $47 30 | $47 30 | $47 30 | $47 30 |
| ODUF: Data Transmission (CONNECT:DIRECT), per message | N/A | $0 00004 | $0 001 | $0 001 | $0 0000365 | $0 00003 | $0 0000354 | $0 001 | $0 0000357 | $0 001 |
| EODUF: Data Transmission (CONNECT:DIRECT), per message | N/A | $0 0000364 | $0 0000364 | $0 0000364 | $0 0000364 | $0 0000364 | $0 0000364 | $0 0000364 | $0 0000364 | $0 0000364 |
| ADUF: Data Transmission (CONNECT:DIRECT), per message | N/A | $0 001 | $0 001 | $0 001 | $0 001 | $0 001 | $0 001 | $0 001 | $0 001 | $0 001 |
| CMDS: Data Transmission (CONNECT:DIRECT), per message | N/A | $0 001 | $0 001 | $0 001 | $0 001 | $0 001 | $0 001 | $0 001 | $0 001 | $0 001 |

**NOTES:**

If no rate is identified in the contract, the rate for the specific service or function will be as set forth in applicable BellSouth tariff or as negotiated by the parties upon request by either party

# Attachment 8

# Rights-of-Way, Conduits and Pole Attachments

# Rights-of-Way, Conduits and Pole Attachments

BellSouth will provide nondiscriminatory access to any pole, duct, conduit, or right-of-way owned or controlled by BellSouth pursuant to 47 U.S.C. § 224, as amended by the Act, pursuant to terms and conditions of a license agreement subsequently negotiated with BellSouth's Competitive Structure Provisioning Center.

# Attachment 9

# Performance Measurements

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## Service Performance Measurements And Enforcement Mechanisms

1. **Scope**

This Attachment includes Enforcement Measurements with corresponding Enforcement Mechanisms applicable to this Agreement.

2. **Reporting**

2.1 In providing services pursuant to this Agreement, BellSouth will report its performance to Z-Tel in accordance with BellSouth's Service Quality Measurements, which are contained in this Attachment as Exhibit A and in accordance with BellSouth's Enforcement Measurements, which are contained in this Attachment as Exhibit B.

2.2 BellSouth will make performance reports available to Z-Tel on a monthly basis. The reports will contain information collected in each performance category and will be available to Z-Tel through some electronic medium to be determined by BellSouth. BellSouth will also provide electronic access to the raw data underlying the performance measurements. Within thirty (30) days of execution of this Agreement, BellSouth will provide a detailed session of instruction to Z-Tel regarding access to the reports and to the raw data as well as the nature of the format of the data provided.

3. **Modifications to Measurements**

3.1 Service Quality Measurements

3.1.1 BellSouth will update the Service Quality Measurements contained in Exhibit A of this Attachment each calendar quarter. BellSouth will not delete any Service Quality Measurement without prior written consent of Z-Tel. Z-Tel may provide input to BellSouth regarding any suggested additions, deletions or other modifications to the Service Quality Measurements. BellSouth will provide notice of all changes to the Service Quality Measurements via BellSouth's internet website.

3.1.2 Notwithstanding the foregoing, BellSouth may, from time to time, be ordered by a regulatory or judicial body to modify or amend the Service Quality Measurements. BellSouth will make all such changes to the Service Quality Measurements pursuant to Section ___ of the General Terms and Conditions of this Agreement, incorporated herein by reference.

3.1.3 Notwithstanding any other provision of this Agreement, in the event a dispute arises regarding the modification or amendment of the

Service Quality Measurements, the parties will refer the dispute to the Commission.

3.2 Enforcement Measurements and Statistical Test

3.2.1 In order for BellSouth to accurately administer the Enforcement Measurements contained in Exhibit B of this Attachment, the Enforcement Measurements shall be modified or amended only if BellSouth determines such modification or amendment is necessary. However, BellSouth will not delete any Enforcement Measurement without prior written consent of Z-Tel. BellSouth will notify Z-Tel of any such modification or amendment to the Enforcement Measurements via BellSouth's internet website.

3.2.2 Notwithstanding the foregoing, BellSouth may, from time to time, be ordered by a regulatory or judicial body to modify or amend the Enforcement Measurements and/or Statistical Test. BellSouth will make all such changes to the Enforcement Measurements and/or Statistical Test pursuant to Section ___ of the General Terms and Conditions of this Agreement, incorporated herein by reference. .

3.2.3 Notwithstanding any other provision of this Agreement, in the event a dispute arises regarding the modification or amendment of the Enforcement Measurements and/or Statistical Test, the parties will refer the dispute to the Commission.

## 4. Enforcement Mechanisms

4.1 Purpose

This section establishes meaningful and significant enforcement mechanisms voluntarily provided by BellSouth to verify and maintain compliance between BellSouth and Z-Tel's operations as well as to maintain access to Operational Support System (OSS) functions. This section provides the terms and conditions for such self-effectuating enforcement mechanisms.

4.2 Effective Date

The enforcement mechanisms set forth in this section shall only become effective upon an effective FCC order, which has not been stayed, authorizing BellSouth to provide interLATA telecommunications services under section 271 of the Act within a particular state and shall only apply to BellSouth's performance in any state in which the FCC has granted BellSouth interLATA authority.

4.3 Definitions

4.3.1 Enforcement Measurement Elements means the performance measurements set forth in Exhibit B, attached hereto and incorporated herein by this reference.

4.3.2 Enforcement Measurement Benchmark means a competitive level of performance negotiated by BellSouth used to compare the performance of BellSouth and Z-Tel where no analogous process, product or service is feasible. See Exhibit B.

4.3.3 Enforcement Measurement Compliance means comparing performance levels provided to BellSouth retail customers with performance levels provided by BellSouth to the CLEC customer, as set forth in Exhibit C, attached hereto and incorporated herein by this reference.

4.3.4 Test Statistic and Balancing Critical Value is the means by which enforcement will be determine using statistically valid equations. See Exhibit C.

4.3.5 Cell is the point (below the wire center level) at which like-to-like comparisons are made. For example, all BellSouth retail POTS services, for residential customers, requiring a dispatch in a particular wire center, at a particular point in time will be compared directly to Z-Tel resold services for residential customers, requiring a dispatch, in the same wire center, at a particular point in time. When determining compliance, these cells can have a positive or negative value. See Exhibit C.

4.3.6 Affected Volume means that proportion of the total Z-Tel volume or CLEC Aggregate volume for which remedies will be paid.

4.3.7 Parity Gap refers to the incremental departure from a compliant-level of service. (See Exhibit D). This is also referred to as "diff" in the Statistical paper (See Exhibit C).

4.3.8 Tier-1 Enforcement Mechanisms means self-executing liquidated damages paid directly to Z-Tel when BellSouth delivers non-compliant performance of any one of the Enforcement Measurement Elements for any month as calculated by BellSouth.

4.3.9 Tier-2 Enforcement Mechanisms means Assessments paid directly to a state Public Service Commission ("Commission") or its designee. Tier 2 Enforcement Mechanisms are triggered by three consecutive monthly failures in a quarter in which BellSouth performance is out of compliance or does not meet the benchmarks for the aggregate of all CLEC data as calculated by BellSouth for a particular Enforcement Measurement Element.

4.3.10 Tier-3 Enforcement Mechanisms means the voluntary suspension of additional marketing and sales of long distance services triggered by excessive repeat failures of those specific submeasures as defined in Exhibit D attached hereto and incorporated herein by this reference.

4.4 Application

4.4.1 The application of the Tier-1, Tier-2, and Tier-3 Enforcement Mechanisms does not foreclose other non-contractual legal and regulatory claims and remedies available to Z-Tel.

4.4.2 Proof of damages resulting from BellSouth's failure to maintain Enforcement Measurement Compliance would be difficult to ascertain and, therefore, liquidated damages are a reasonable approximation of any contractual damage. Liquidated damages under this provision are not intended to be a penalty.

4.5 Methodology

4.5.1 Tier-1 Enforcement Mechanisms will be triggered by BellSouth's failure to achieve Enforcement Measurement Compliance or Enforcement Measurement Benchmarks for the State for a given Enforcement Measurement Element in a given month based upon a test statistic and balancing critical value calculated by BellSouth utilizing BellSouth generated data. The method of calculation is attached hereto as Exhibit D and incorporated herein by this reference.

4.5.1.1 Tier-1 Enforcement Mechanisms apply on a per transaction basis for each negative cell and will escalate based upon the number of consecutive months that BellSouth has reported non-compliance.

4.5.1.2 Fee Schedule for Tier-1 Enforcement Mechanisms is shown in Table-1 attached hereto as Exhibit E and incorporated herein by this reference. Failures beyond Month 6 (as set forth in Table 1) will be subject to Month 6 fees.

4.5.2 Tier-2 Enforcement Mechanisms will be triggered by BellSouth's failure to achieve Enforcement Measurement Compliance or Enforcement Measurement Benchmarks for the State in a given calendar quarter based upon a statistically valid equation calculated by BellSouth utilizing BellSouth generated data. The method of calculation is attached hereto as Exhibit D and incorporated herein by reference.

4.5.2.1 Tier- 2 Enforcement Mechanisms apply, for an aggregate of all CLEC data generated by BellSouth, on a per transaction basis for each negative cell for a particular Enforcement Measurement Element.

4.5.2.2 Fee Schedule for Total Quarterly Tier-2 Enforcement Mechanisms is show in Table-2 attached hereto as Exhibit E and incorporated herein by this reference.

4.5.3 Tier-3 Enforcement Mechanisms will be triggered by BellSouth's failure to achieve Enforcement Measurement Compliance or Enforcement Measurement Benchmarks for a State in a given calendar quarter. The method of calculation for specified submeasures is identical to the method of calculation for Tier-2 Enforcement Mechanisms as described above. The specific submeasures which are the mechanism for triggering and removing a Tier-3 Enforcement Mechanisms are described in more detail in Exhibit D attached hereto and incorporated herein by this reference.

4.6 Payment of Tier-1 and Tier-2 Amounts

4.6.1 If BellSouth performance triggers an obligation to pay Tier-1 Enforcement Mechanisms to Z-Tel or an obligation to remit Tier-2 Enforcement Mechanisms to the Commission, BellSouth shall make payment in the required amount on or before the thirtieth ($30^{th}$) day following the due date of the performance measurement report for the month in which the obligation arose.

4.6.2 For each day after the due date that BellSouth fails to pay Z-Tel the required amount, BellSouth will pay interest to Z-Tel at the maximum rate permitted by state law.

4.6.3 For each day after the due date that BellSouth fails to pay the Tier-2 Enforcement Mechanisms, BellSouth will pay the Commission an additional $1,000 per day.

4.6.4 If Z-Tel disputes the amount paid to Z-Tel for Tier-1 Enforcement Mechanisms, Z-Tel shall submit a written claim to BellSouth within sixty (60) days after the date of the performance measurement report for which the obligation arose. BellSouth shall investigate all claims and provide Z-Tel written findings within thirty (30) days after receipt of the claim. If BellSouth determines Z-Tel is owed additional amounts, BellSouth shall pay Z-Tel such additional amounts within thirty (30) days after its findings along with interest paid at the maximum rate permitted by law.

4.6.5 At the end of each calendar year, BellSouth will have its independent auditing and accounting firm certify that the results of all Tier-1 and Tier-

2 Enforcement Mechanisms were paid and accounted for in accordance with Generally Accepted Account Principles (GAAP).

4.7 Limitations of Liability

4.7.1 BellSouth will not be responsible for Z-Tel acts or omissions that cause performance measures to be missed or fail, including but not limited to accumulation and submission of orders at unreasonable quantities or times or failure to submit accurate orders or inquiries. BellSouth shall provide Z-Tel with reasonable notice of such acts or omissions and provide Z-Tel any such supporting documentation.

4.7.2 BellSouth shall not be obligated for Tier-1, Tier-2 or Tier 3 Enforcement Mechanisms for non-compliance with a performance measure if such non-compliance was the result of an act or omission by Z-Tel that is in bad faith.

4.7.3 BellSouth shall not be obligated to pay Tier-1 Enforcement Mechanisms or Tier-2 Enforcement Mechanism for non-compliance with a performance measurement if such non-compliance was the result of any of the following: a Force Majeure event as set forth in the General Terms and Conditions of this Agreement; an act or omission by Z-Tel that is contrary to any of its obligations under its Interconnection Agreement with BellSouth; an act or omission by Z-Tel that is contrary to any of its obligations under the Act, Commission rule, or state law; an act or omission associated with third-party systems or equipment; or any occurrence that results from an incident reasonably related to the Y2K problem.

4.7.4 It is not the intent of the Parties that BellSouth be liable for both Tier-2 Enforcement Mechanisms and any other assessments or sanctions imposed by the Commission. Z-Tel will not oppose any effort by BellSouth to set off Tier-2 Enforcement Mechanisms from any additional assessment imposed by the Commission.

4.7.5 Payment of any Tier-1 or Tier-2 Enforcement Mechanisms shall not be considered as an admission against interest or an admission of liability or culpability in any legal, regulatory or other proceeding relating to BellSouth's performance. The payment of any Tier-1 Enforcement Mechanisms to Z-Tel shall release BellSouth for any liability associated with or related to the service performance measurement for the month for which the Enforcement Mechanisms was paid to Z-Tel.

4.7.6 Z-Tel acknowledges and argues that the Enforcement Mechanisms contained in this attachment have been provided by BellSouth on a completely voluntary basis in order to maintain compliance between

BellSouth and Z-Tel. Therefore, Z-Tel may not use the existence of this section or any payments of any Tier-1 or Tier-2 Enforcement Mechanisms under this section as evidence that BellSouth has not complied with or has violated any state or federal law or regulation.

4.8 Enforcement Mechanism Caps

4.8.1 BellSouth's liability for the payment of Tier-1 and Tier-2 Enforcement Mechanisms shall be collectively capped at $625M per year for the entire BellSouth region as set forth below.

| | |
|---|---|
| AL - $54M | MS - $44M |
| FL - $122M | NC - $77M |
| GA - $131M | SC - $47M |
| KY - $34M | TN - $57M |
| LA - $59M | |
| | |

4.8.2 If BellSouth's liability for the payment of Tier-1 and Tier-2 Enforcement Mechanisms exceed the caps referenced in this attachment, Z-Tel may commence a proceeding with the Commission to demonstrate why BellSouth should pay any amount in excess of the cap. Z-Tel shall have the burden of proof to demonstrate why, under the circumstances, BellSouth should have additional liability.

4.9 Dispute Resolution

4.9.1 Notwithstanding any other provision of this Agreement, any dispute regarding BellSouth's performance or obligations pursuant to this Attachment shall be resolved by the Commission.

# EXHIBIT A

# Service Quality Measurement Plan (SQM)

## Measurement Descriptions

Version

**May, 2000**

## INTRODUCTION

The BellSouth Service Quality Measurement Plan (SQM) describes in detail the measurements produced to evaluate the quality of service delivered to BellSouth's customers both wholesale and retail. The SQM was developed to respond to the requirements of the Communications Act of 1996 Section 251 (96 Act) which required ILECs to provide non-discriminatory access to Competitive Local Exchange Carriers (CLEC) and its Retail Customers. The reports produced by the SQM provide regulators, CLECs and BellSouth the information necessary to monitor the delivery of non-discriminatory access.

This plan results from the many divergent forces evolving from the 96 Act. The 96 Act, the Georgia Public Service Commission (GPSC) Order (Docket 7892-U 12/30/97), LCUG 1-7.0, the FCC's NPRM (CC Docket 98-56 RM9101 04 17 98), the Louisiana Public Service Commission (LPSC) Order (Docket U-22252 Subdocket C 04/19/98), numerous arbitration cases, LPSC sponsored collaborative workshops (10/98-02/00), and proceedings in Alabama, Mississippi, and North Carolina have and continue to influence the SQM. **The SQM must reflect the Orders by the GPSC and LPSC.**

However, in addition, the SQM and the reports flowing from it must change to reflect the dynamic requirements of the industry. New measurements are added as new systems and processes are developed and fielded. New products and services are added as the markets for them develop and the processes stabilize. The measurements are also changed to reflect changes in systems, to correct errors to respond to 3rd Party audit requirements, and PSC and/or customer requests..

This document is intended for use by someone with a basic knowledge of telecommunications industry, information technologies and a functional knowledge of the subject areas covered by the BellSouth Performance Measurement reports.

BellSouth
Service Quality Measurements Plan

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* These reports are subject to change due to regulatory requirements or to correct errors and etc.

OSS (Operations Support Systems)

| **Report/Measurement:** | |
|---|---|
| **OSS-1. Average Response Time and Response Interval (Pre-Ordering)** | |
| **Definition:** | |
| Average response time and response intervals are the average times and number of requests responded to within certain intervals for accessing legacy data associated with appointment scheduling, service & feature availability, address verification, request for Telephone numbers (TNs), and Customer Service Records (CSRs). | |
| **Exclusions:** | |
| None | |
| **Business Rules:** | |
| The average response time for retrieving pre-order/order information from a given legacy system is determined by summing the response times for all requests submitted to the legacy systems during the reporting period and dividing by the total number of legacy system requests for that month. The response interval starts when the client application (LENS or TAG for CLECs and RNS for BST) submits a request to the legacy system and ends when the appropriate response is returned to the client application. The number of accesses to the legacy systems during the reporting period, which take less than 2.3 seconds and the number, which take more than 6 seconds are also captured. | |
| **Level of Disaggregation:** | |
| **RSAG – Address** (Regional Street Address Guide-Address) – stores street address information used to validate customer addresses. CLECs and BST query this legacy system.<br>**RSAG – TN** (Regional Street Address Guide-Telephone number) – contains information about facilities available and telephone numbers working at a give address. CLECs and BST query this legacy system.<br>**ATLAS** (Application for Telephone Number Load Administration and Selection) – acts as a warehouse for storing telephone numbers that are available for assignment by the system. It enables CLECs and BST service reps to select and reserve telephone numbers. CLECs and BST query this legacy system.<br>**COFFI** (Central Office Feature File Interface) – stores information about product and service offerings and availability. CLECs query this legacy system.<br>**DSAP** (DOE Support Application) – provides due date information. CLECs and BST query this legacy system.<br>**HAL/CRIS** (Hands-Off Assignment Logic/Customer Record Information System) – a system used to access the Business Office Customer Record Information System (BOCRIS). It allows BST servers, including LENS, access to legacy systems. CLECs query this legacy system.<br>**P/SIMS** (Product/Services Inventory Management system) – provides information on capacity, tariffs, inventory and service availability. CLECs query this legacy system.<br>**OASIS** (Obtain Available Services Information Systems) – Information on feature and rate availability. BST queries this legacy system. | |
| **Calculation:** | |
| Σ [Date & Time of Legacy Response) – (Date & Time of Request to Legacy)] / (Number of Legacy Requests During the Reporting Period) | |
| **Report Structure:** | |
| Not CLEC Specific<br>Not product/service specific<br>Regional Level | |
| **Data Retained Relating to CLEC Experience:** | **Data Retained Relating to BST Performance:** |
| Report month<br>Legacy Contract (per reporting dimension)<br>Response Interval<br>Regional Scope | Report month<br>Legacy Contract (per reporting dimension)<br>Response Interval<br>Regional Scope |
| **Retail Analog/Benchmark:** | |
| See Appendix D | |

Revision Date: 05/05/00 (lg)

## LEGACY SYSTEM ACCESS TIMES FOR RNS

| System | Contract | Data | < 2.3 sec | > 6 sec | Avg. Sec | # of Calls |
|---|---|---|---|---|---|---|
| RSAG | RSAG-TN | Address | x | x | x | x |
| RSAG | RSAG-ADDR | Address | x | x | x | x |
| ATLAS | ATLAS-TN | TN | x | x | x | x |
| DSAP | DSAP-DDI | Schedule | x | x | x | x |
| CRIS | CRSACCTS | CSR | x | x | x | x |
| OASIS | OASISBSN | Feature/Service | x | x | x | x |
| OASIS | OASISCAR | Feature/Service | x | x | x | x |
| OASIS | OASISLPC | Feature/Service | x | x | x | x |
| OASIS | OASISMTN | Feature/Service | x | x | x | x |
| OASIS | OASISBIG | Feature/Service | x | x | x | x |

## LEGACY SYSTEM ACCESS TIMES FOR LENS

| System | Contract | Data | < 2.3 sec | > 6 sec | Avg. Sec | # of Calls |
|---|---|---|---|---|---|---|
| RSAG | RSAG-TN | Address | x | x | x | x |
| RSAG | RSAG-ADDR | Address | x | x | x | x |
| ATLAS | ATLAS-TN | TN | x | x | x | x |
| DSAP | DSAP-DDI | Schedule | x | x | x | x |
| HAL | HAL/CRIS | CSR | x | x | x | x |
| COFFI | COFFI/USOC | Feature/Service | x | x | x | x |
| P/SIMS | PSIMS/ORB | Feature/Service | x | x | x | x |

## LEGACY SYSTEM ACCESS TIMES FOR TAG

| System | Contract | Data | < 2.3 sec | > 6 sec | Avg. Sec | # of Calls |
|---|---|---|---|---|---|---|
| RSAG | RSAG-TN | Address | x | x | x | x |
| RSAG | RSAG-ADDR | Address | x | x | x | x |
| ATLAS | ATLAS-TN | TN | x | x | x | x |
| DSAP | DSAP-DDI | Schedule | x | x | x | x |
| HAL | HAL/CRIS | CSR | x | x | x | x |
| CRIS | CRSEINIT | CSR | x | x | x | x |
| CRIS | CRSECSR | CSR | x | x | x | x |

OSS (Operations Support Systems)

| **Report/Measurement:** | |
|---|---|
| **OSS-2. Interface Availability (Pre-Ordering)** | |
| **Definition:** | |
| Percent of time OSS interface is functionally available compared to scheduled availability. Availability percentages for CLEC interface systems and for all Legacy systems accessed by them are captured. | |
| **Exclusions:** | |
| None | |
| **Business Rules:** | |
| This measurement captures the availability percentages for the BST systems, which are used by CLECs during Pre-Ordering functions. Comparison to BST results allows conclusions as to whether an equal opportunity exists for the CLEC to deliver a comparable customer experience. | |
| **Level of Disaggregation:** | |
| Regional Level | |
| **Calculation:** | |
| (Functional Availability) / (Scheduled Availability) X 100 | |
| **Report Structure:** | |
| Aggregate<br>CLEC<br>BST & CLEC<br>Regional Level | |
| **Data Retained Relating to CLEC Experience:** | **Data Retained Relating to BST Performance:** |
| Report month<br>Legacy Contract Type (per reporting dimension)<br>Regional Scope<br>Hours of Downtime | Report month<br>Legacy Contract Type (per reporting dimension)<br>Regional Scope |
| **Retail Analog/Benchmark:** | |
| See Appendix D | |

**OSS Interface Availability**

| OSS Interface | Applicable to | % Availability |
|---|---|---|
| EDI | CLEC | x |
| HAL | CLEC | x |
| LENS | CLEC | x |
| LEO Mainframe | CLEC | x |
| LEO UNIX | CLEC | x |
| LESOG | CLEC | x |
| PSIMS | CLEC | x |
| TAG | CLEC | x |
| ATLAS/COFFI | CLEC/BST | x |
| BOCRIS | CLEC/BST | x |
| DSAP | CLEC/BST | x |
| RSAG | CLEC/BST | x |
| SOCS | CLEC/BST | x |
| SONGS | CLEC/BST | x |

Revision Date: 05/25/00 (lg)

OSS (Operations Support Systems)

| **Report/Measurement:** | |
|---|---|
| **OSS-3. Interface Availability (Maintenance & Repair)** | |
| **Definition:** | |
| The percentage of time the OSS Interface is functionally available compared to scheduled availability. Availability percentage for the CLEC and BST interface systems and for the legacy systems accessed by them are captured. | |
| **Exclusions:** | |
| None | |
| **Business Rules:** | |
| This measure is designed to compare the OSS availability versus scheduled availability of BST's legacy systems. | |
| **Calculation:** | |
| OSS Interface Availability = (Actual System Functional Availability) / (Actual planned System Availability) X 100 | |
| **Report Structure:** | |
| Aggregate<br>CLEC<br>BST & CLEC<br>Regional Level | |
| **Level of Disaggregation:** | |
| Region | |
| **Data Retained Relating to CLEC Experience:** | **Data Retained Relating to BST Performance:** |
| Availability of CLEC TAFI<br>Availability of LMOS HOST, MARCH, SOCS, CRIS, PREDICTOR, LNP and OSPCM<br>ECTA | Availability of BST TAFI<br>Availability of LMOS HOST, MARCH, SOCS, CRIS, PREDICTOR, LNP and OSPCM |
| **Retail Analog/Benchmark:** | |
| Parity by design; Retail Analog<br>ECTA Benchmark – 99.5%<br>See Appendix D | |

**OSS Interface Availability (M&R)**

| **OSS INTERFACE** | **% Availability** |
|---|---|
| BST TAFI | x |
| CLEC TAFI | x |
| CLEC ECTA | x |
| **BST AND CLEC** | x |
| CRIS | x |
| LMOS HOST | x |
| LNP | x |
| MARCH | x |
| OSPCM | x |
| PREDICTOR | x |
| SOCS | x |

Revision Date: 05/25/00 (see)

OSS (Operations Support Systems)

| **Report/Measurement:** | |
|---|---|
| **OSS-4. Response Interval (Maintenance & Repair)** | |
| **Definition:** | |
| The response intervals are determined by subtracting the time a request is received on the BST side of the interface from the time the response is received from the legacy system. Percentages of requests falling into each interval category are reported, along with the actual number of requests falling into those categories. | |
| **Exclusions:** | |
| None | |
| **Business Rules:** | |
| This measure is designed to monitor the time required for the CLEC and BST interface system to obtain from BST's legacy systems the information required to handle maintenance and repair functions. The clock starts on the date and time when the request is received on the BST side of the interface and the clock stops when the response has been transmitted through that same point to the requester.<br><br>**NOTE:** The OSS Response Interval BST Total Report is a combination of BST Residence and Business Total. | |
| **Calculation:** | |
| OSS Response Interval = (Query Response Date and Time for Category "X") – (Query Request Date and Time for Category "X") / (Number of Queries Submitted in the Reporting Period) where, "X" is 0-4, ≥ 4 to 10, ≥ 10, ≥ 30 seconds. | |
| **Report Structure:** | |
| CLEC<br>BST Residence<br>BST Business by interface for each legacy system and function as appropriate.<br>BST total (Business + Residence) | |
| **Level of Disaggregation:** | |
| Region | |
| **Data Retained Relating to CLEC Experience:** | **Data Retained Relating to BST Performance:** |
| CLEC Transaction Intervals | BST Business and Residence transaction Intervals |
| **Retail Analog/Benchmark:** | |
| OSS Response Interval for CLEC's is comparable to OSS Response Interval for BST. | |

| System | BST & CLEC | Count < = 4 | Count > 4, < = 10 | Count < = 10 | Count > 10 | Count > 30 |
|---|---|---|---|---|---|---|
| CRIS | X | X | X | X | X | X |
| DLETH | X | X | X | X | X | X |
| DLR | X | X | X | X | X | X |
| LMOS | X | X | X | X | X | X |
| LMOSupd | X | X | X | X | X | X |
| LNP | X | X | X | X | X | X |
| MARCH | X | X | X | X | X | X |
| OSPCM | X | X | X | X | X | X |
| Predictor | X | X | X | X | X | X |
| SOCS | X | X | X | X | X | X |
| NIW | X | X | X | X | X | X |

Revision Date: 05/16/00 (see)

## ORDERING

**Report/Measurement:**

**O-1. Percent Flow-Through Service Requests (Summary)**

**Definition:**

The percentage of Local Service Requests (LSR) and LNP Local Service Requests (LNP LSRs) submitted electronically via the CLEC mechanized ordering process that flow through and reach a status for a FOC to be issued, without manual intervention.

**Exclusions:**

Fatal Rejects
Auto Clarification
Manual Fallout
CLEC System Fallout

**Business Rules:**

The CLEC mechanized ordering process includes all LSRs, including supplements (subsequent versions) which are submitted through one of the three gateway interfaces (TAG, EDI, and LENS), that flow through and reach a status for a FOC to be issued, without manual intervention. These LSRs can be divided into two classes of service; Business and Residence, and two types of service; Resale, and Unbundled Network Elements (UNE). The CLEC mechanized ordering process does not include LSRs, which are, submitted manually (e.g., fax, and courier), or are not designed to flow through, i.e., Manual Fallout.

**Definitions:**

**Fatal Rejects:** Errors that prevent an LSR, submitted electronically by the CLEC, from being processed further. When an LSR is submitted by a CLEC, LEO/LNP Gateway will perform edit checks to ensure the data received is correctly formatted and complete. For example, if the PON field contains an invalid character, LEO/LNP Gateway will reject the LSR and the CLEC will receive a Fatal Reject.

**Auto-Clarification:** errors that occur due to invalid data within the LSR, LESOG/LAUTO will perform data validity checks to ensure the data within the LSR is correct and valid. For example, if the address on the LSR is not valid according to RSAG, or if the LNP is not available for the NPA NXXX requested, the CLEC will receive an Auto-Clarification.

**Manual Fallout:** Planned Fallout that occur by design. Certain LSRs are designed to fallout of the Mechanized Order Process due to their complexity. These LSRs are manually processed by the LCSC. When a CLEC submits an LSR, LESOG/LAUTO will determine if the LSR should be forwarded to LCSC for manual handling. Following are the categories for Manual Fallout:

1. Complex*
2. Expedites (requested by the CLEC)
3. Special pricing plans
4. Denials-restore and conversion, or disconnect and conversion orders
5. Partial migrations
6. Class of service invalid in certain states with some types of service
7. New telephone number not yet posted to BOCRIS
8. Low volume such as activity type "T" (move)
9. Pending order review required
10. More than 25 business lines
11. Restore or suspend for UNE combos
12. Transfer of calls option for the CLEC's end users
13. CSR inaccuracies such as invalid or missing CSR data in CRIS

*Attached is a list of services, including complex services, and whether LSRs issued for the services are eligible to flow through.

**Total System Fallout:** Errors that require manual review by the LSCS to determine if the error is caused by the CLEC, or is due to system functionality. If it is determined the error is caused by the CLEC, the LSR will be sent back to the CLEC for clarification. If it is determined the error is BST caused, the LCSC representative will correct the error, and the LSR will continue to be processed.

## ORDERING (O-1. Percent Flow-Through Service Requests (Summary) – Continued)

| **Calculation:** | |
|---|---|
| Percent Flow Through – (The total number of LSRs that flow through LESOG/LAUTO and reach a status for a FOC to be issued) (the number of LSRs passed from LEO/LNP Gateway to LESOG/LAUTO) - Σ[(the number of LSRs that fall out for manual processing) + (the number of LSRs that are returned to the CLEC for clarification) + ( the number of LSRs that contain errors made by CLECs)] X 100. | |
| **Report Structure:** | |
| CLEC Aggregate<br>Region | |
| **Level of Disaggregation:** | |
| Geography<br>Region<br>Produc<br>Residence<br>Business<br>UNE<br>LNP | |
| **Data Retained Relating to CLEC Experience:** | **Data Retained Relating to BST Performance:** |
| Report month<br>Total number of LSRs received, by interface, by CLEC<br>TAG<br>EDI<br>LENS<br>Total number of errors by type, by CLEC<br>Fatal rejects<br>Auto clarification<br>CLEC caused system fallout<br>Total number of errors by error code<br>Total fallout for manual processing | Report month<br>Total number of errors by type<br>BST system error |
| **Retail Analog/Benchmark:** | |
| Residence 90%<br>Business 80%<br>UNE 80% | |

Revision Date: 05/15/00 (tm)

## ORDERING

**Report/Measurement:**

**O-2. Percent Flow-Through Service Requests (Detail)**

**Definition:**

A detailed list by CLEC of the percentage of Local Service Requests (LSR) and LNP Local Service Requests (LNP LSRs) submitted electronically via the CLEC mechanized ordering process that flow through and reach a status for a FOC to be issued, without manual or human intervention.

**Exclusions:**

Fatal Rejects
Auto Clarification
Manual Fallout
CLEC System Fallout

**Business Rules:**

The CLEC mechanized ordering process includes all LSRs, including supplements (subsequent versions) which are submitted through one of the three gateway interfaces (TAG, EDI, and LENS), that flow through and reach a status for a FOC to be issued, without manual intervention. These LSRs can be divided into two classes of service: Business and Residence, and three types of service: Resale, and Unbundled Network Elements (UNE) and specials. The CLEC mechanized ordering process does not include LSRs, which are, submitted manually (e.g., fax, and courier), or are not designed to flow through, i.e., Manual Fallout.

**Definitions:**

**Fatal Rejects:** Errors that prevent an LSR, submitted electronically by the CLEC, from being processed further. When an LSR is submitted by a CLEC, LEO/LNP Gateway will perform edit checks to ensure the data received is correctly formatted and complete. For example, if the PON field contains an invalid character, LEO/LNP Gateway will reject the LSR and the CLEC will receive a Fatal Reject.

**Auto-Clarification:** errors that occur due to invalid data within the LSR, LESOG/LAUTO will perform data validity checks to ensure the data within the LSR is correct and valid. For example, if the address on the LSR is not valid according to RSAG, or if the LNP is not available for the NPA NXXX requested, the CLEC will receive an Auto-Clarification.

**Manual Fallout:** Planned Fallout that occur by design. Certain LSRs are designed to fallout of the Mechanized Order Process due to their complexity. These LSRs are manually processed by the LCSC. When a CLEC submits an LSR, LESOG/LAUTO will determine if the LSR should be forwarded to LCSC for manual handling. Following are the categories for Manual Fallout:

1. Complex services*
2. Expedites (requested by the CLEC)
3. Special pricing plans
4. Denials-restore and conversion, or disconnect and conversion orders
5. Partial migrations
6. Class of service invalid in certain states with some types of service
7. New telephone number not yet posted to BOCRIS
8. Low volume such as activity type "T" (move)
9. Pending order review required
10. More than 25 business lines
11. Restore or suspend for UNE combos
12. Transfer of calls option for the CLEC's end users
13. CSR inaccuracies such as invalid or missing CSR data in CRIS

*Attached is a list of services, including complex services, and whether LSRs issued for the services are eligible to flow through.

**Total System Fallout:** Errors that require manual review by the LSCS to determine if the error is caused by the CLEC, or is due to system functionality. If it is determined the error is caused by the CLEC the LSR will be sent back to the CLEC for clarification. If it is determined the error is BST caused, the LCSC representative will correct the error, and the LSR will continue to be processed.

## ORDERING (O-2. Percent Flow-Through Service Requests (Detail) – Continued)

**Calculation:**

Percent Flow Through – (The total number of LSRs that flow through LESOG/LAUTO and reach a status for a FOC to be issued) (the number of LSRs passed from LEO/LNP Gateway to LESOG/LAUTO) - Σ[(the number of LSRs that fall out for manual processing – the number of LSRs that are returned to the CLEC for clarification – the number of LSRs that contain errors made by CLECs)] X 100.

**Report Structure:**

Provides the flow through percentage for each CLEC (by alias designation) submitting LSRs through the CLEC mechanized ordering process. The report provides the following:

CLEC (by alias designation)
Number of fatal rejects
Mechanized interface used
Total mechanized LSRs
Total manual fallout
Number of auto clarifications returned to CLEC
Number of validated LSRs
Number of BST caused fallout
Number of CLEC caused fallout
Number of Service Orders Issued
Base calculation
CLEC error excluded calculation

**Level of Disaggregation:**

CLEC Specific (by alias designation to protect CLEC specific proprietary data)
Geographic
  Region
Product
Residence
Business
UNE
LNP

| **Data Retained Relating to CLEC Experience:** | **Data Retained Relating to BST Performance:** |
|---|---|
| Report month | Report month |
| Total number of LSRs received, by interface, by CLEC | Total number of errors by type |
| TAG | BST system error |
| EDI | |
| LENS | |
| Total number of errors by type, by CLEC | |
| Fatal rejects | |
| Auto clarification | |
| CLEC errors | |
| Total number of errors by error code | |
| Total fallout for manual processing | |

**Retail Analog/Benchmark:**

Residence 90%
Business 80%
UNE 80%

Revision Date: 05/15/00 (tm)

## ORDERING

| **Report/Measurement:** | |
|---|---|
| **O-3. Flow-Through Error Analysis** | |
| **Definition:** | |
| An analysis of each error type (by error code) that was experienced by the LSRs that did not flow through and reach a status for a FOC to be issued. | |
| **Exclusions:** | |
| Each Error Analysis is error code specific, therefore exclusions are not applicable. | |
| **Business Rules:** | |
| The CLEC mechanized ordering process includes all LSRs, including supplements (subsequent versions) which are submitted through one of the three gateway interfaces (TAG, EDI, and LENS), that flow through and reach a status for a FOC to be issued. The CLEC mechanized ordering process does not include LSRs, which are, submitted manually (e.g., fax, and courier). | |
| **Calculation:** | |
| Σ Of errors by type | |
| **Report Structure:** | |
| Provides an analysis of each error type (by error code). The report is in descending order by count of each error code and provides the following:<br>Error Type (by error code)<br>Count of each error type<br>Percent of each error type<br>Cumulative percent<br>Error Description<br>CLEC Caused Count of each error code<br>Percent of aggregate by CLEC caused count<br>Percent of CLEC caused count<br>BST Caused Count of each error code<br>Percent of aggregate by BST caused count<br>Percent of BST by BST caused count. | |
| **Level of Disaggregation:** | |
| Region | |
| **Data Retained Relating to CLEC Experience:** | **Data Retained Relating to BST Performance:** |
| Report month<br>Total number of LSRs received<br>Total number of errors by type (by error code)<br>CLEC caused error | Report month<br>Total number of errors by type (by error code)<br>BST system error |
| **Retail Analog/Benchmark:** | |
| Not Applicable | |

Revision Date: 02/22/00 (tm)

## ORDERING

| **Report/Measurement:** | |
|---|---|
| O-4. CLEC LSR Information | |
| **Definition:** | |
| A list, with the flow through activity, of LSRs, by cc, pon and ver, issued by each CLEC during the report period. | |
| **Exclusions:** | |
| Fatal Rejects | |
| **Business Rules:** | |
| The CLEC mechanized ordering process includes all LSRs, including supplements (subsequent versions) which are submitted through one of the three gateway interfaces (TAG, EDI, and LENS), that flow through and reach a status for a FOC to be issued. The CLEC mechanized ordering process does not include LSRs, which are, submitted manually (e.g., fax, and courier). | |
| **Calculation:** | |
| NA | |
| **Report Structure:** | |
| Provides a list, with the flow through activity, of LSRs by cc, pon, and ver, issued by each CLEC during the report period with an explanation of the of the columns and content. This report is available on a CLEC specific basis. The report provides the following for each LSR.<br>CC<br>PON<br>Ver<br>Timestamp<br>Type<br>Err #<br>Note or error description | |
| **Level of Disaggregation:** | |
| Region | |
| **Data Retained Relating to CLEC Experience:** | **Data Retained Relating to BST Experience:** |
| Report month<br>Record of LSRs received by cc, pon, and ver<br>Record of timestamp, type, err # and note or error description for each LSR by cc, pon, and ver. | NA |
| **Retail Analog/Benchmark:** | |
| Not Applicable | |

Revision Date: 5/2/00(tm)

**BellSouth**
**Service Quality Measurements Plan**

**LSR Flow-Through Matrix**

| PRODUCT | F/T | COMPLEX SERVICE | COMPLEX ORDER | PLANNED FALLOUT FOR MANUAL HANDLING [1] | EDI | TAG [2] | LENS 99 [4] | LENS [3] | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|
| 2 wire analog DID trunk port | No [5] | UNE | Yes | NA | N | N | N | N | |
| 2 wire analog port | Yes | UNE | No | No | Y | Y | N | N | |
| 2 wire ISDN digital line side port | No | UNE | Yes | NA | N | N | N | N | |
| 2 wire ISDN digital loop | No | UNE | Yes | Yes | Y | Y | N | N | |
| 3 Way Calling | Yes | No | No | No | Y | Y | Y | Y | |
| 4 wire analog voice grade loop | Yes | UNE | Yes | No | Y | Y | N | N | |
| 4 wire DS0 & PRI digital loop | No | UNE | Yes | NA | N | N | N | N | |
| 4 wire DS1 & PRI digital loop | No | UNE | Yes | NA | N | N | N | N | |
| 4 wire ISDN DSI digital trunk ports | No | UNE | Yes | Yes | N | N | N | N | |
| Accupulse | No | Yes | Yes | NA | N | N | N | N | |
| ADSL | No | UNE | Yes | NA | N | N | N | N | |
| Area Plus | Yes | No | No | No | Y | Y | Y | Y | |
| Basic Rate ISDN | No | Yes | Yes | Yes | Y | Y | N | N | |
| Call Block | Yes | No | No | No | Y | Y | Y | Y | |
| Call Forwarding-Variable | Yes | No | No | No | Y | Y | Y | Y | |
| Call Return | Yes | No | No | No | Y | Y | Y | Y | |
| Call Selector | Yes | No | No | No | Y | Y | Y | Y | |
| Call Tracing | Yes | No | No | No | Y | Y | Y | Y | |
| Call Waiting | Yes | No | No | No | Y | Y | Y | Y | |
| Call Waiting Deluxe | Yes | No | No | No | Y | Y | Y | Y | |
| Caller ID | Yes | No | No | No | Y | Y | Y | Y | |
| CENTREX | No | Yes | Yes | NA | N | N | N | N | |
| DID WITH PBX ACT W | No | Yes | Yes | Yes | Y | N | Y | N | |
| DID ACT W | No | Yes | Yes | Yes | Y | N | Y | N | |
| Digital Data Transport | No | UNE | Yes | NA | N | N | N | N | |
| Directory Listing Indentions | No | No | No | Yes | Y | Y | Y | Y | |
| Directory Listings Captions | No | No | Yes | Yes | Y | Y | Y | N | |
| Directory Listings (simple) | Yes | No | No | No | Y | Y | Y | Y | |
| DS3 | No | UNE | Yes | NA | N | N | N | N | |
| DS1 Loop | Yes | UNE | Yes | No | Y | Y | N | N | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| DSO Loop | Yes | UNE | Yes | No | Y | Y | N | N | |
| Enhanced Caller ID | Yes | No | No | No | Y | Y | Y | Y | |
| ESSX | No | Yes | Yes | NA | N | N | N | N | |
| Flat Rate/Business | Yes | No | No | No | Y | Y | Y | Y | |
| Flat Rate/Residence | Yes | No | No | No | Y | Y | Y | Y | |
| FLEXSERV | No | Yes | Yes | NA | N | N | N | N | |
| Frame Relay | No | Yes | Yes | NA | N | N | N | N | |
| FX | No | Yes | Yes | NA | N | N | N | N | |
| Ga. Community Calling | Yes | No | No | No | Y | Y | Y | Y | |
| HDSL | No | UNE | Yes | NA | N | N | N | N | |
| Hunting MLH | No | C/S [6] | C/S | Yes | Y | Y | N | N | |
| Hunting Series Completion | No | C/S | C/S | No | Y | Y | Y | Y | |
| INP RECTYPE B | Yes | UNE | No | No | Y | Y | N | N | |
| INP RECTYPE C | Yes | UNE | No | No | Y | Y | N | N | |
| LightGate | No | Yes | Yes | NA | N | N | N | N | |
| Local Number Portability | Yes | UNE | Yes | No | Y | Y | N | N | |
| LNP with Complex Listing | No | UNE | Yes | Yes | Y | Y | N | N | |
| LNP with Partial Migration | No | UNE | Yes | Yes | Y | Y | N | N | |
| LNP with Complex Services | No | UNE | Yes | Yes | Y | Y | N | N | |
| INP to LNP Conversions | No | UNE | Yes | Yes | Y | Y | N | N | |
| Measured Rate/Bus. | Yes | No | No | No | Y | Y | Y | Y | |
| Measured Rate/Res. | Yes | No | No | No | Y | Y | Y | Y | |
| Megalink | No | Yes | Yes | NA | N | N | N | N | |
| Megalink-T1 | No | Yes | Yes | NA | N | N | N | N | |
| Memory Call | Yes | No | No | No | Y | Y | Y | Y | |
| Memory Call Ans Svc | Yes | No | No | No | Y | Y | Y | Y | |
| Multiserv | No | Yes | Yes | NA | N | N | N | N | |
| Native Mode LAN Interconnection (NMLI) | No | Yes | Yes | NA | N | N | N | N | |
| Off Prem Stations | No | Yes | Yes | NA | N | N | N | N | |
| Optional Calling Plan | Yes | No | No | No | Y | Y | Y | Y | |
| Package Complete Choice and area plus | Yes | No | No | No | Y | Y | Y | Y | |
| Pathlink Primary Rate ISDN | No | Yes | Yes | NA | N | N | N | N | |
| Pay Phone Provider | No | No | No | NA | N | N | N | N | |
| PBX Standalone ACT A,C, D | No | Yes | Yes | Yes | Y | Y | Y | N | |
| PBX Trunks | No | Yes | Yes | Yes | Y | Y | Y | N | |
| Port/Loop Combo | Yes | UNE | No | No | Y | Y | Y | N | |
| Port/Loop PBX | No | No | No | Yes | Y | Y | N | N | |
| Preferred Call Forward | Yes | No | No | No | Y | Y | Y | Y | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| RCF Basic | Yes | No | No | No | Y | Y | Y | Y | |
| Remote Access to CF | Yes | No | No | No | Y | Y | Y | Y | |
| Repeat Dialing | Yes | No | No | No | Y | Y | Y | Y | |
| Ringmaster | Yes | No | No | No | Y | Y | Y | N | |
| Smartpath | No | Yes | Yes | NA | N | N | N | N | |
| SmartRING | No | Yes | Yes | NA | N | N | N | N | |
| Speed Calling | Yes | No | No | No | Y | Y | Y | Y | |
| Synchronet | No | Yes | Yes | Yes | Y | Y | N | N | |
| Tie Lines | No | Yes | Yes | NA | N | N | N | N | |
| Touchtone | Yes | No | No | No | Y | Y | Y | Y | |
| Unbundled Loop-Analog 2W, SL1, SL2 | Yes | UNE | No | No | Y | Y | Y | N | |
| WATS | No | Yes | Yes | NA | N | N | N | N | |
| XDSL Extended LOOP | No | UNE | Yes | NA | N | N | N | N | |
| | | | | | | | | | |

**Note [1]:** Planned Fallout for Manual Handling denotes those services that are electronically submitted and are not intended to flow through due to the complexity of the service.

**Note [2]:** The TAG column includes those LSR submitted via RoboTAG.

**Note [3]:** The LENS column denotes the ordering status of services prior to OSS 99.

**Note [4]:** The LENS 99 column denotes the ordering status of services post OSS 99.

**Note [5]:** For all services that indicate 'No' for flow-through, the following reasons, in addition to errors or complex services, also prompt manual handling: Expedites from CLECs, special pricing plans, for denials – restore and conversion or disconnect and conversion both required, partial migrations (although conversions-as-is flow through), class of service invalid in certain states with some TOS – e.g. gov't, or cannot be changed when changing main TN on C activity, low volume – e.g. activity type T=move, pending order review required, more than 25 business lines, restore or suspend for UNE combos, transfer of calls option for CLEC end user— new TN not yet posted to BOCRIS. All but the last one are unique to the CLEC environment.

**Note [6]:** Services with C/S in the Complex Service and/or the Complex Order columns can be either complex or simple

ORDERING

**Report/Measurement:**

**O-5. Percent Rejected Service Requests**

**Definition:**

Percent Rejected Service Request is the percent of total Local Service Requests (LSRs) received which are rejected due to error or omission. An LSR is considered valid when it is submitted by the CLEC and passes edit checks to insure the data received is correctly formatted and complete.

**Exclusions:**

Service Requests canceled by the CLEC prior to being rejected clarified.

**Business Rules:**

**Fully Mechanized:** An LSR is considered "rejected" when it is submitted electronically but does not pass LEO edit checks i the ordering systems (EDI, LENS, TAG, LEO, LESOG) and is returned to the CLEC without manual intervention. There are two types of "Rejects" in the Mechanized category:

A Fatal Reject occurs when a CLEC attempts to electronically submit an LSR but required fields are either not populated or incorrectly populated and the request is returned to the CLEC before it is considered a valid LSR. In LEO, Fatal Rejects are included in the "Other" category for Regional reports only.

An Auto Clarification occurs when a valid LSR is electronically submitted but rejected from LESOG because it does not pass further edit checks for order accuracy.

**Partially Mechanized:** A valid LSR, which is electronically submitted (via EDI, LENS, TAG) but cannot be processed electronically and "falls out" for manual handling. It is then put into "clarification" and sent back (rejected) to the CLEC.

**Total Mechanized:** Combination of Fully Mechanized and Partially Mechanized LSRs electronically submitted by the CLEC.

**Non-Mechanized:** LSRs which are faxed or mailed to the LCSC for processing and is "clarified" (rejected) back to the CLEC by the BST service representative.

**Interconnection Trunks:** Interconnection Trunks are ordered on Access Service Requests (ASRs). ASRs are submitted to and processed by the Interconnection Purchasing Center (IPC). Trunk data is reported as a separate category.

**Calculation:**

Percent Rejected Service Requests = (Total Number of Rejected Service Requests in the reporting period) / (Total Number of Service Requests Received in the reporting period) X 100.

**Report Structure:**

Fully Mechanized, Partially Mechanized, Total Mechanized, Non-Mechanized
CLEC Specific
CLEC Aggregate

**Level of Disaggregation:**

Product Reporting Levels
Resale Residence
Resale Business
Resale – Design (Special)
Other
UNE
UNE Loop with NP
Interconnection Trunks
Geographic Scope
State, Region and further geographic disaggregation as required by State Commission Order
Product Specific % Rejected
Total % Rejected

## ORDERING (O-5. Percent Rejected Service Requests – Continued)

| Data Retained Relating to CLEC Experience: | Data Retained Relating to BST Performance: |
|---|---|
| Report month<br>Total number of LSRs<br>Total number of Rejects<br>Total Number of Errors<br>State and Region<br>Total Number of ASRs (Trunks) | |
| **Retail Analog/Benchmark:** | |
| See Appendix D | |

Revision Date: 05/15 00 (lg)

## ORDERING

**Report/Measurement:**

**O-6. Reject Interval**

**Definition:**

Reject Interval is the average reject time from receipt of an LSR to the distribution of a Reject. An LSR is considered valid when it is submitted by the CLEC and passes edit checks to insure the data received is correctly formatted and complete

**Exclusions:**

Service Requests canceled by CLEC prior to being rejected/clarified.
Designated Holidays.
The following hours for Non-mechanized LSRs*:
- Residence Resale Group - from 10:00 PM EST Saturday until 7:00 AM EST Monday.
Business Resale, Complex, UNE Groups - from 8:00 PM EST Friday until 8:00 AM EST Monday.
IPC – 4:30 PM CST Friday until 8:00 AM CST Monday.

* The hours excluded will be altered to reflect changes in the Center operating hours.

**Business Rules:**

**Fully Mechanized:** The elapsed time from receipt of a valid electronically submitted LSR (date and time stamp in EDI, LENS or TAG) until the LSR is rejected (date and time stamp or reject in LEO). Auto Clarifications are considered in the Fully Mechanized category.

**Partially Mechanized:** The elapsed time from receipt of a valid electronically submitted LSR (date and time stamp in EDI, LENS or TAG) until it falls out for manual handling. The stop time on partially mechanized LSRs is when the LCSC Service Representative clarifies the LSR back to the CLEC via LEO.

**Total Mechanized:** Combination of Fully Mechanized and Partially Mechanized LSRs which are electronically submitted by the CLEC.

**Non-Mechanized:** The elapsed time from receipt of a valid LSR (date and time stamp of FAX or date and time mailed LSR is received in the LCSC) until notice of the reject (clarification) is returned to the CLEC via LON.

**Interconnection Trunks:** Interconnection Trunks are ordered on Access Service Requests (ASRs). ASRs are submitted to and processed by the Interconnection Purchasing Center (IPC). Trunk data is reported as a separate category.

**Calculation:**

Reject Interval = Σ[(Date and Time of Service Request Rejection) – (Date and Time of Service Request Receipt)] / (Number of Service Requests Rejected in Reporting Period)

**Report Structure:**

CLEC Specific
CLEC Aggregate
Fully Mechanized, Partially Mechanized, Total Mechanized, Non-Mechanized

## ORDERING – (O-6. Reject Interval – Continued)

**Level of Disaggregation:**

Product Reporting Levels
- Resale – Residence
- Resale – Business
- Resale – Design (Special)
- Other
- UNE
- UNE Loop with NP
- Interconnection Trunks
  - < 10 Circuits/Lines
  - > 10 Circuits/Lines

Geographic Scope

State, Region and further geographic disaggregation as required by State Commission Order

Mechanized:
- 0-4 minutes
- > 4-8 minutes
- > 8-12 minutes
- >12-60 minutes
- 0-1 hour
- > 1-8 hours
- > 8-24 hours
- > 24 hours

Non-mechanized:
- 0-1 hour
- > 1-4 hours
- > 4-8 hours
- > 8-12 hours
- > 12-16 hours
- > 16-20 hours
- > 20-24 hours
- > 24 hours.

Trunks:
- < 5 days
- > 5-8 days
- > 8-12 days
- >12-14 days
- >14-17 days
- >17-20 days
- > 20 days

Average Interval for mechanized reports in hours, non-mechanized and Trunk reports in days.

| **Data Retained Relating to CLEC Experience:** | **Data Retained Relating to BST Performance:** |
|---|---|
| Report month<br>Reject Interval<br>Total Number of LSRs<br>Total number of Rejects<br>State and Region<br>Total Number of ASRs (Trunks) | |

**Retail Analog/Benchmark:**

See Appendix D

Revision Date: 05/15/00 (lg)

## ORDERING

**Report/Measurement:**

**O-7. Firm Order Confirmation Timeliness**

**Definition:**

Interval for Return of a Firm Order Confirmation (FOC Interval) is the average response time from receipt of valid LSR to distribution of a Firm Order Confirmation.

**Exclusions:**

Rejected LSRs
Designated Holidays.
The following hours for Non-mechanized LSRs*:
- Residence Resale Group - from 10:00 PM EST Saturday until 7:00 AM EST Monday.
Business Resale, Complex, UNE Groups - from 8:00 PM EST Friday until 8:00 AM EST Monday.
IPC – 4:30 PM CST Friday until 8:00 AM CST Monday.

* The hours excluded will be altered to reflect changes in the Center operating hours.

**Business Rules:**

**Fully Mechanized:** The elapsed time from receipt of a valid electronically submitted LSR (date and time stamp in EDI, LENS or TAG) until the LSR is processed, appropriate service orders are generated and a Firm Order Confirmation is returned to the CLEC.

**Partially Mechanized:** The elapsed time from receipt of a valid electronically submitted LSR which falls out for manual handling until appropriate service orders are issued by a BST service representative via Direct Order Entry (DOE) or Service Order Negotiation Generation System (SONGS) to SOCS and a Firm Order Confirmation is returned to the CLEC.

**Total Mechanized:** Combination of Fully Mechanized and Partially Mechanized LSRs which are electronically submitted by the CLEC.

**Non-Mechanized:** The elapsed time from receipt of a valid paper LSR (date and time stamp of FAX or date and time paper LSRs received in LCSC) until appropriate service orders are issued by BST service representative via Direct Order Entry (DOE) or Service Order Negotiation Generation System (SONGS) to SOCS and a Firm Order Confirmation is sent to the CLEC via LON.

**Interconnection Trunks:** Interconnection Trunks are ordered on Access Service Requests (ASRs). ASRs are submitted to and processed by the Interconnection Purchasing Center (IPC). Trunk data is reported as a separate category.

**Calculation:**

Firm Order Confirmation Timeliness = Σ[(Date and Time of Firm Order Confirmation) – (Date and Time of Service Request Receipt)] / (Number of Service Requests Confirmed in Reporting Period)

**Report Structure:**

Fully Mechanized, Partially Mechanized, Total Mechanized, Non-Mechanized
CLEC Specific
CLEC Aggregate

**Level of Disaggregation:**

Product Reporting Levels
Resale – Residence
Resale – Business
Resale – Design (Special)
Other
UNE
UNE Loop with NP
Interconnection Trunks
< 10 Circuits/Lines
> 10 Circuits/Lines

## ORDERING – (O-7. Firm Order Confirmation Timeliness – Continued)

**Level of Disaggregation: (Continued)**

Geographic Scope

State, Region and further geographic disaggregation (MSA) as required by State Commission Order

Mechanized:

> 0-15 minutes
> 15-30 minutes
> 30-45 minutes
> 45-60 minutes
> 60-90 minutes
> 90-120 minutes
> 120-240 minutes
> 4-8 hours
> 8-12 hours
> 12-16 hours
> 16-20 hours
> 20-24 hours
> 24-48 hours
> 48 hours

Non-mechanized:

0-4 hours
> 4-8 hours
> 8-12 hours
> 12-16 hours
> 16-20 hours
> 20-24 hours
> 24-48 hours
> 48 hours

Trunks:

0- 5 days
6- 8 days
9-11 days
12-14 days
15-17 days
18-20 days
> 20 days

Average Interval in Days

| **Data Retained Relating to CLEC Experience:** | **Data Retained Relating to BST Performance:** |
|---|---|
| Report month<br>Interval for FOC<br>Total number of LSRs<br>State and Region<br>Total Number of ASRs (Trunks) | |

**Retail Analog/Benchmark:**

See Appendix D

Revision Date: 05/15/00 (lg)

## ORDERING

**Report/Measurement:**

**O-8. Speed of Answer in Ordering Center**

**Definition:**

Measures the average time a customer is in queue.

**Exclusions:**

None

**Business Rules:**

The clock starts when the appropriate option is selected (i.e., 1 for Resale Consumer, 2 for Resale Multiline, and 3 for UNE-LNP, etc.) and the call enters the queue for that particular group in the LCSC. The clock stops when a BST service representative in the LCSC answers the call. The speed of answer is determined by measuring and accumulating the elapsed time from the entry of a CLEC call into the BellSouth automatic call distributor (ACD) until the a service representative in BST's Local Carrier Service Center (LCSC) answers the CLEC call.

**Calculation:**

(Total time in seconds to reach the LCSC) / (Total Number of Calls) in the Reporting Period.

**Report Structure:**

Aggregate
CLEC – Local Carrier Service Center
BST
Business Service Center
Residence Service Center

Note: Combination of Residence Service Center and Business Service Center data under development

**Level of Disaggregation:**

Aggregate
CLEC – Local Carrier Service Center
BST
Business Service Center
Residence Service Center

Note: Combination of Residence Service Center and Business Service Center data under development

| **Data Retained Relating to CLEC Experience:** | **Data Retained Relating to BST Performance:** |
|---|---|
| Mechanized tracking through LCSC Automatic Call Distributor | Mechanized tracking through BST Retail center support systems |

**Retail Analog/Benchmark:**

For CLEC, Speed of Answer in Ordering Center (LCSC) is comparable to Speed of Answer in BST Business Offices.
See Appendix D

Revision Date: 05/26/00 (lg)

## ORDERING – (LNP)

**Report/Measurement:**

**O-9. LNP-Percent Rejected Service Requests**

**Definition:**

Percent Rejected Service Request is the percent of total Local Service Requests (LSRs) which are rejected due to error or omission. An LSR is considered valid when it is electronically submitted by the CLEC and passes LNP Gateway edit checks insure the data received is correctly formatted and complete, i.e., fatal rejects are excluded.

**Exclusions:**

Service Requests canceled by the CLEC
Fatal Rejects
Order Activities of BST or the CLEC associated with internal or administrative use of local services (Record Orders, Test Orders, etc.) where identifiable.
Non Mechanized LSR's

**Business Rules:**

An LSR is considered "rejected" when it is submitted electronically but does not pass edit checks in the ordering systems (EDI, TAG, LNP Gateway, LAUTO) and is returned to the CLEC without manual intervention.

**Fully Mechanized:** There are two types of "Rejects" in the Fully Mechanized category:

A Fatal Reject occurs when a CLEC attempts to electronically submit an LSR (via EDI or TAG) but required fields are not populated correctly and the request is returned to the CLEC.

Fatal rejects are reported in a separate column, and for informational purposes ONLY. They are not considered in the calculation of the percent of total LSRs rejected or the total number of rejected LSRs.

An Auto Clarification is a valid LSR which is electronically submitted (via EDI or TAG), but is rejected from LAUTO because it does not pass further edit checks for order accuracy. Auto Clarifications are returned without manual intervention.

**Partially Mechanized:** A valid LSR which electronically submitted (via EDI or TAG), but cannot be processed electronical due to a CLEC error and "falls out" for manual handling. It is then put into "clarification", and sent back (rejected) to the CLEC.

**Total Mechanized:** Combination of Fully Mechanized and Partially Mechanized rejects.

**Calculation:**

[(Number of Service Requests Rejected in the Reporting Period) / (Number of Service Requests Received in the Reporting Period)] x 100

**Report Structure:**

Fully Mechanized, Partially Mechanized, Total Mechanized
CLEC Specific
CLEC Aggregate

**Level of Disaggregation:**

Product Reporting Levels
LNP
UNE Loop with LNP
Geographic Scope
State, Region

**Retail Analog/Benchmark:**

See Appendix D

Revision Date: 05/15/00 (lg)

## ORDERING – (LNP)

**Report/Measurement:**

**O-10. LNP-Reject Interval Distribution & Average Reject Interval**

**Definition:**

Reject Interval is the average reject time from receipt of an LSR to the distribution of a Reject. An LSR is considered valid when it is electronically submitted by the CLEC and passes LNP Gateway edit checks to insure the data received is correctly formatted and complete, i.e., fatal rejects are excluded.

**Exclusions:**

Service Requests canceled by the CLEC
Fatal Rejects
Order Activities of BST or the CLEC associated with internal or administrative use of local services (Record Orders, Test Orders, etc.) where identifiable.
Non Mechanized LSR's

**Business Rules:**

The Reject interval is determined for each rejected LSR processed during the reporting period. The Reject interval is the elapsed time from when BST receives LSR until that LSR is rejected back to the CLEC. Elapsed time for each LSR is accumulated for each reporting dimension. The accumulated time for each reporting dimension is then divided by the associated total number of rejected LSRs to produce the reject interval distribution.

An LSR is considered "rejected" when it is submitted electronically but does not pass edit checks in the ordering systems (EDI, TAG, LNP Gateway, LAUTO) and is returned to the CLEC without manual intervention.

**Fully Mechanized:** There are two types of "Rejects" in the Fully Mechanized category:

A Fatal Reject occurs when a CLEC attempts to electronically submit an LSR but required fields are not populated correctly and the request is returned to the CLEC.

Fatal rejects are reported in a separate column, and for informational purposes ONLY. They are not considered in the calculation of the percent of total LSRs rejected or the total number of rejected LSRs.

An Auto Clarification is a valid LSR which is electronically submitted (via EDI or TAG), but is rejected from LAUTO because it does not pass further edit checks for order accuracy. Auto Clarifications are returned without manual intervention.

**Partially Mechanized:** A valid LSR which electronically submitted (via EDI or TAG), but cannot be processed electronically due to a CLEC error and "falls out" for manual handling. It is then put into "clarification", and sent back to the CLEC.

**Total Mechanized:** Combination of Fully Mechanized and Partially Mechanized rejects.

**Calculation:**

**Average Reject Interval:**
Σ[(Date & Time of Service Request Rejection) – (Date & Time of Service Request Receipt)] / (Total Number of Service Requests Rejected in Reporting Period)

**Reject Interval Distribution:**
[Σ(Service Requests Rejected in "X" minutes/hours) / (Total Number of Service Requests Rejected in Reporting Period)] X 100

**Report Structure:**

Fully Mechanized, Partially Mechanized, Total Mechanized
CLEC Specific
CLEC Aggregate

## ORDERING – (O-10. LNP-Reject Interval Distribution & Average Reject Interval – Continued)

| **Level of Disaggregation:** |
|---|
| Reported in intervals:<br>0-4 minutes<br>> 4-8 minutes<br>> 8-12 minutes<br>>12-60 minutes<br>0-1hours<br>> 1-8 hours<br>> 8-24 hours<br>> 24 hours<br>Product Reporting Levels<br>LNP<br>UNE Loop with LNP<br>Geographic Scope<br>State, Region<br>Average Interval in Days |
| **Retail Analog/Benchmark:** |
| See Appendix D |

Revision Date: 05/15/00 (lg)

## ORDERING – (LNP)

**Report/Measurement:**

**O-11. LNP-Firm Order Confirmation Timeliness Interval Distribution & Firm Order Confirmation Average Interval**

**Definition:**

Interval for Return of a Firm Order Confirmation (FOC Interval) is the average response time from receipt of a valid LSR to distribution of a firm order confirmation.

**Exclusions:**

Rejected LSRs (Clarifications or Fatal Rejects)
Order Activities of BST or the CLEC associated with interval or administrative use of local services (Record Orders, Test Orders, etc.) where identifiable.

**Business Rules:**

The Firm Order Confirmation interval is determined for each FOC'd LSR processed during the reporting period. The Firm Order Confirmation interval is the elapsed time from when BST receives an LSR until that LSR is confirmed back to the CLEC. Elapsed time for each LSR is accumulated for each reporting dimensions. The accumulated time for each reporting dimension is then divided by the associated total number of orders completed to produce the Firm Order Confirmation timeliness interval distribution.

**Mechanized:** The elapsed time from receipt of a valid LSR until the LSR is processed and appropriate service orders are generated in SOCS without manual intervention.

**Partially Mechanized:** The elapsed time from receipt of an electronically submitted LSR which falls for manual handling by the LCSC personnel until appropriate service orders are issued by a BST service representative via Direct Order Entry (DOE) or Service Order Negotiation Generation system (SONGS).

**Total Mechanized:** Combination of Fully Mechanized and Partially Mechanized FOCs.

**Calculation:**

**Average Reject Interval:**
Σ[(Date & Time of Firm Order Confirmation) – (Date & Time of Service Request Receipt)] / (Total Number of Service Requests Confirmed in Reporting Period)

**FOC Interval Distribution:**
Σ[(Service Requests Confirmed in "X" minutes/hours in the Reporting Period) / (Total Service Requests Confirmed in the Reporting Period)] X 100

**Report Structure:**

Fully Mechanized, Partially Mechanized, Total Mechanized
CLEC Specific
CLEC Aggregate

## ORDERING – (O-11. LNP-Firm Order Confirmation Timeliness Interval Distribution & Firm Order Confirmation Average Interval – Continued)

**Level of Disaggregation:**

Reported in intervals
- 0-15 minutes
- > 15-30 minutes
- > 30-45 minutes
- > 45-60 minutes
- > 60-90 minutes
- > 90-120 minutes
- >120-240 minutes
- > 4-8 hours
- > 8-12 hours
- > 12-16 hours
- > 16-20 hours
- > 20-24 hours
- > 24-48 hours
- > 48 hours

Product Reporting Levels
- LNP
- UNE Loop with LNP

Geographic Scope
- State, Region

**Retail Analog/Benchmark:**

See Appendix D

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**Provisioning Disaggregation**

*Product Reporting Levels*

Resale and Retail
Pots – Residence
Pots – Business
Design
PBX (Louisiana SQM)
CENTREX (Louisiana SQM)
ISDN (Louisiana SQM) (**Note:** ISDN included in POTS for Georgia Only)

Unbundled Network Elements
UNE Design
UNE Non-Design
UNE 2 Wire Loop (Louisiana SQM)
UNE Loop Other (Louisiana SQM)
Unbundled Ports (Louisiana SQM)
Combos, Switching, Local Transport, DSL (under development)

Trunks
Local Interconnection Trunks

Georgraphic Scope
State, Region and further geographic disaggregation as required by State Commission Order (e.g., Metropolitan Service Area – MSA)

The following measure is the exception for all states:
Coordinated Customer Conversion
Hot Cut Timeliness (under development)

Which is disaggregated as follows:
UNE LOOPS with INP
UNE LOOPS without INP

## PROVISIONING

| Report/Measurement: |
|---|
| **P-1. Mean Held Order Interval & Distribution Intervals** |
| **Definition:** |
| When delays occur in completing CLEC orders, the average period that CLEC orders are held for BST reasons, pending a delayed completion, should be no worse for the CLEC when compared to BST delayed orders Calculation of the interval is the number of orders held and pending but not completed that have passed the currently committed due date. The distribution interval is based on the number of orders held and pending but not completed over 15 and 90 days. (Orders reported in the >90 day interval are also included in the >15 day interval) |
| **Exclusions:** |
| Order Activities of BST associated with internal or administrative use of local services. |
| **Business Rules:** |
| **Mean Held Order Interval:** This metric is computed at the close of each report period. The held order interval is established by first identifying all orders, at the close of the reporting interval, that both have not been reported as completed in SOCS and have passed the currently committed due date for the order. For each such order, the number of calendar days between the committed due date and the close of the reporting period is established and represents the held order interval for that particular order. The held order interval is accumulated by the standard groupings, unless otherwise noted, and the reason for the order being held. The total number of days accumulated in a category is then divided by the number of held orders within the same category to produce the mean held order interval. The interval is by calendar days with no exclusions for Holidays or Sundays.<br><br>CLEC Specific reporting is by type of held order (facilities, equipment, other), total number of orders held, and the total and average days.<br><br>**Held Order Distribution Interval:** This measure provides data to report total days held and identifies these in categories of >15 days and > 90 days. (orders counted in >90 days are also included in > 15 days). |
| **Calculation:** |
| **Mean Held Order Interval:**<br>Σ(Reporting Period Close Date – Committed Order Due Date) / (Number of Past Due Orders Held and Pending and Past The Committed Due Date).<br><br>**Held Order Distribution Interval:**<br>(# of Orders Held for ≥90 days) / (Total # of Past Due Orders Held and Pending But Not Completed) X 100<br>(# of Orders Held for ≥15 days) / (Total # of Past Due Orders Held and Pending But Not Completed) X 100 |
| **Report Structure:** |
| CLEC Specific<br>CLEC Aggregate<br>BST Aggregate |
| **Level of Disaggregation:** |
| Circuit breakout < 10, > = 10 |

## PROVISIONING – (P-1. Mean Held Order Interval & Distribution Intervals – Continued)

| Data Retained Relating to CLEC Experience: | Data Retained Relating to BST Performance: |
|---|---|
| Report month<br>CLEC Order Number and PON (PON)<br>Order Submission Date (TICKET_ID)<br>Committed Due Date (DD)<br>Service Type (CLASS_SVC_DESC)<br>Hold Reason<br>Total line/circuit count<br>Geographic Scope<br><br>NOTE: Code in parentheses is the corresponding header found in the raw data file. | Report month<br>BST Order Number<br>Order Submission Date<br>Committed Due Date<br>Service Type<br>Hold Reason<br>Total line/circuit count<br>Geographic Scope |
| **Retail Analog/Benchmark:** | |
| CLEC Residence Resale/BST Residence Retail<br>CLEC Business Resale/BST Business Retail<br>CLEC Non-UNE Design/BST Design<br>Interconnection Trunks-CLEC/Interconnection Trunks – BST<br>UNEs-(See Appendix D) | |

Revision Date: 05/15/00 (taf)

## PROVISIONING

| **Report/Measurement:** | |
|---|---|
| **P-2. Average Jeopardy Notice Interval & Percentage of Orders Given Jeopardy Notices** | |
| **Definition:** | |
| When BST can determine in advance that a committed due date is in jeopardy for facility delay, it will provide advance notice to the CLEC.<br>The interval is from the date/time the notice is released to the CLEC/BST systems until 5pm on the commitment date of the order. The Percent of Orders is the percentage of orders given jeopardy notices for facility delay in the count of orders confirmed in the report period. | |
| **Exclusions:** | |
| Orders held for CLEC end user reasons<br>Orders submitted to BST through non-mechanized methods | |
| **Business Rules:** | |
| When BST can determine in advance that a committed due date is in jeopardy for facility delay, it will provide advance notice to the CLEC. The number of committed orders in a report period is the number of orders that have a due date in the reporting period. | |
| **Calculation:** | |
| **Average Jeopardy Interval:**<br>Σ[(Date and Time of Scheduled Due Date on Service Order) – (Date and Time of Jeopardy Notice)]/[Number of Orders Notified of Jeopardy in Reporting Period).<br><br>**Percent of Orders Given Jeopardy Notice:**<br>Σ[ (Number of Orders Given Jeopardy Notices in Reporting Period) / (Number of Orders Confirmed (due) in Reporting Period) | |
| **Report Structure:** | |
| CLEC Specific<br>CLEC Aggregate<br>BST Aggregate | |
| **Data Retained Relating to CLEC Experience:** | **Data Retained Relating to BST Performance:** |
| Report month<br>CLEC Order Number and PON<br>Date and Time Jeopardy Notice sent<br>Committed Due Date<br>Service Type<br><br>**NOTE:** Code in parentheses is the corresponding header found in the raw data file. | Report month<br>BST Order Number<br>Date and Time Jeopardy Notice sent<br>Committed Due Date<br>Service Type |
| **Retail Analog/Benchmark:** | |
| See Appendix D | |

Revision Date: 05/25/00 (taf)

## PROVISIONING

**Report/Measurement:**

**P-3. Percent Missed Installation Appointments**

**Definition:**

"Percent missed installation appointments" monitors the reliability of BST commitments with respect to committed due dates to assure that CLECs can reliably quote expected due dates to their retail customer as compared to BST. This measure is the percentage of total orders processed for which BST is unable to complete the service orders on the committed due dates and reported for both BST and End User Misses.

**Exclusions:**

Canceled Service Orders
Order Activities of BST or the CLEC associated with internal or administrative use of local services (Record Orders, Test Orders, etc.)
Disconnect (D) & From (F) orders
End User Misses on Interconnection Trunks

**Business Rules:**

Percent Missed Installation Appointments (PMI) is the percentage of total orders processed for which BST is unable to complete the service orders on the confirmed due dates. Missed Appointments caused by end-user reasons will be included and reported separately. The "due date" is any time on the confirmed due date. Which means there cannot be a cutoff time for commitments, as certain types of orders are requested to be worked after standard business hours. Also, during Daylight Savings Time, field technicians are scheduled until 9PM in some areas and the customer is offered a greater range of intervals from which to select.

**Calculation:**

Percent Missed Installation Appointments = Σ ( Number of Orders Not Complete by committed Due Date in Reporting Period) / (Number of Orders Confirmed in Reporting) X 100

**Report Structure:**

CLEC Specific
CLEC Aggregate
BST Aggregate

**Report Explanation**: The difference between End User MA and Total MA is the result of BST caused misses. Here, Total MA is the total % of orders missed either by BST or CLEC end user. The End User MA represents the percentage of orders missed by the CLEC or their end user.

**Level of Disaggregation:**

Reported in categories of <10 lines/circuits; > = 10 lines/circuits
Dispatch/No Dispatch

| **Data Retained Relating to CLEC Experience:** | **Data Retained Relating to BST Performance:** |
|---|---|
| Report month<br>CLEC Order Number and PON (PON)<br>Committed Due Date (DD)<br>Completion Date (CMPLTN DD)<br>Status Type<br>Status Notice Date<br>Standard Order Activity<br>Geographic Scope<br><br>**NOTE:** Code in parentheses is the corresponding header found in the raw data file. | Report month<br>BST Order Number<br>Committed Due Date (DD)<br>Completion Date (CMPLTN DD)<br>Status Type<br>Status Notice Date<br>Standard Order Activity<br>Geographic Scope |

**Retail Analog/Benchmark:**

CLEC Residence Resale/BST Residence Retail
CLEC Business Resale/BST Business Retail
CLEC Non-UNE Design/BST Design
Interconnection Trunks-CLEC/Interconnection Trunks – BST
UNEs-(See Appendix D)

Revision Date: 05/15/00 (taf)

## PROVISIONING

| **Report/Measurement:** |
|---|
| **P-4. Average Completion Interval (OCI) & Order Completion Interval Distribution** |
| **Definition:** |
| The "average completion interval" measure monitors the interval of time it takes BST to provide service for the CLEC or its' own customers. The "Order Completion Interval Distribution" provides the percentages of orders completed within certain time periods. This report measures how well BellSouth meets the interval offered to customers on services orders |
| **Exclusions:** |
| Canceled Service Orders<br>Order Activities of BST or the CLEC associated with internal or administrative use of local services (Record Orders. Test Orders, etc.)<br>Disconnect (D&F) listing orders<br>"L" Appointment c oded orders (where the customer has requested a later than offered interval) |
| **Business Rules:** |
| The actual completion interval is determined for each order processed during the reporting period. The completion interval is the elapsed time from when BST issues a FOC or SOCS date time stamp receipt of an order from the CLEC to BST's actual order completion date. This includes all delays for BST's CLEC/End Users. The clock starts when a valid order number is assigned by SOCS and stops when the technician or system completes the order in SOCS. Elapsed time for each order is accumulated for each reporting dimension. The accumulated time for each reporting dimension is then divided by the associated total number of orders completed.<br><br>The interval breakout for UNE and Design is: 0-5 = 0-4.99, 5-10 = 5-9.99, 10-15 = 10-14.99, 15-20 = 15-19.99 20-25 = 20-24.99, 25-30 = 25-29.99, > = 30 = 30 and greater. |
| **Calculation:** |
| **Average Completion Interval:**<br>Σ[(Completion Date & Time) – (Order Issue Date & Time) ]/ Σ (Count of Orders Completed in Reporting Period)<br><br>**Order Completion Interval Distribution:**<br>Σ (Service Orders Completed in "X" days) / (Total Service Orders Completed in Reporting Period) X 100 |
| **Report Structure:** |
| CLEC Specific<br>CLEC Aggregate<br>BST Aggregate |
| **Level of Disaggregation:** |
| ISDN Orders included in Non Design – GA Only<br>Dispatch/No Dispatch categories applicable to all levels except trunks.<br>Residence & Business reported in day intervals = 0,1,2,3,4,5,5+<br>UNE and Design reported in day intervals = 0-5, 5-10, 10-15, 15-20, 20-25, 25-30, > = 30<br>All Levels are reported <10 line/circuits; > = 10 line/circuits |

## PROVISIONING –
## (P-4. Average Completion Interval (OCI) & Order Completion Interval Distribution – Continued)

| Data Retained Relating to CLEC Experience: | Data Retained Relating to BST Performance: |
|---|---|
| Report month<br>CLEC Company Name<br>Order Number (PON)<br>Submission Date & Time (TICKET_ID)<br>Completion Date (CMPLTN_DT)<br>Service Type (CLASS_SVC_DESC)<br>Geographic Scope<br><br>**NOTE:** Code in parentheses is the corresponding header found in the raw data file. | Report month<br>BST Order Number<br>Order Submission Date & Time<br>Order Completion Date & Time<br>Service Type<br>Geographic Scope |
| **Retail Analog/Benchmark:** | |
| CLEC Residence Resale / BST Residence Retail<br>CLEC Business Resale / BST Business Retail<br>CLEC Non-UNE Design / BST Design<br>Interconnection Trunks-CLEC / Interconnection Trunks-BST<br>UNEs-(See Appendix D) | |

Revision Date: 05/15/00 (taf)

## PROVISIONING

**Report/Measurement:**

**P-5. Average Completion Notice Interval**

**Definition:**

The Completion Notice Interval is the elapsed time between the BST reported completion of work and the issuance of a valid completion notice to the CLEC.

**Exclusions:**

Non-mechanized Orders
Cancelled Service Orders
Order Activities of BST associated with internal or administrative use of local services.
D&F orders

**Business Rules:**

Measurement on interval of completion date and time entered by a field technician on dispatched orders, and 5PM start time on the due date for non-dispatched orders; to the release of a notice to the CLEC/BST of the completion status. The field technician notifies the CLEC the work was complete and then he/she enters the completion time stamp information in his/her computer. This information switches through to the SOCS systems either completing the order or rejecting the order to the Work Management Center (WMC). If the completion is rejected, it is manually corrected and then completed by the WMC. The notice is returned on each individual order submitted and as the notice is sent electronically, it can only be switched to those orders that were submitted by the CLEC electronically. The start time is the completion stamp either by the field technician or the 5PM due date stamp; the end time is the time stamp the notice was submitted to the CLEC/BST system.

**Calculation:**

Σ (Date and Time of Notice of Completion) – (Date and Time of Work Completion) / (Number of Orders Completed in Reporting Period)

**Report Structure:**

CLEC Specific
CLEC Aggregate
BST Aggregate

**Level of Disaggregation:**

Reporting intervals in Hours; 0-1, 1-2, 2-4, 4-8, 8-12, 12-24, > 24, plus Overall Average Hour Interval
Reported in categories of <10 line/circuits; > = 10 line/circuits

| **Data Retained Relating to CLEC Experience:** | **Data Retained Relating to BST Performance:** |
|---|---|
| Report month | Report month |
| CLEC Order Number (so_nbr) | BST Order Number (so_nbr) |
| Work Completion Date (cmpltn_dt) | Work Completion Date (cmpltn-dt) |
| Work Completion Time | Work Completion Time |
| Completion Notice Availability Date | Completion Notice Availability Date |
| Completion Notice Availability Time | Completion Notice Availability Time |
| Service Type | Service Type |
| Geographic Scope | Geographic Scope |
| **NOTE:** Code in parentheses is the corresponding header found in the raw data file. | **NOTE:** Code in parentheses is the corresponding header found in the raw data file. |

**Retail Analog/Benchmark:**

CLEC Residence Resale/BST Residence Retail
CLEC Business Resale/BST Business Retail
CLEC Non-UNE Design/BST Design
Interconnection Trunks-CLEC/Interconnection Trunks – BST
UNEs-(See Appendix D)

Revision Date: 05/15/00 (taf)

## PROVISIONING

| **Report/Measurement:** | |
|---|---|
| **P-6. Coordinated Customer Conversions** | |
| **Definition:** | |
| This report measures the average time it takes BST to disconnect an unbundled loop from the BST switch and cross connect it to a CLEC's equipment. This measurement applies to service orders with and without LNP, and where the CLEC has requested BST to provide a coordinated cutover. | |
| **Exclusions:** | |
| Any order canceled by the CLEC will be excluded from this measurement.<br>Delays due to CLEC following disconnection of the unbundled loop<br>Unbundled Loops where there is no existing subscriber loop and loops where coordination is not requested. | |
| **Business Rules:** | |
| Where the service order includes LNP, the interval includes the total time for the cutover including the translation time to place the line back in service on the ported line. The interval is calculated for the entire cutover time for the service order and then divided by items worked in that time to give the average per item interval for each service order. | |
| **Calculation:** | |
| Σ [(Completion Date and Time for Cross Connection of an Coordinated Unbundled Loop)- (Disconnection Date and Time of an Coordinated Unbundled Loop)] / Total Number of Unbundled Loop with Coordinated Conversions (items) for the reporting period. | |
| **Report Structure:** | |
| CLEC Specific<br>CLEC Aggregate | |
| **Level of Disaggregation:** | |
| Reported in intervals <=5 minutes; >5,< =15 minutes; >15 minutes, plus Overall Average interval | |
| **Data Retained Relating to CLEC Experience** | **Data Retained Relating to BST Experience** |
| Report Month<br>CLEC Order Number<br>Committed Due Date (DD)<br>Service Type (CLASS_SVC_DESC)<br>Cutover Start Time<br>Cutover Completion time<br>Portability start and completion times (INP orders)<br>Total Conversions (Items)<br><br>**NOTE:** Code in parentheses is the corresponding header found in the raw data file. | No BST Analog Exists |
| **Retail Analog/Benchmark:** | |
| Benchmark – See Appendix D | |

Revision Date: 05/15/00 (taf)

## PROVISIONING

| **Report/Measurement:** | |
|---|---|
| **P-6A. Coordinated Customer Conversions – Hot Cut Timeliness % within Interval and Average Interval** | |
| **Definition:** | |
| This category measures whether BST begins the cutover of an unbundled loop on a time specific order at the CLEC requested time. It is measures the percentage of orders worked within 15 minutes of the requested start time of the order and the average interval. | |
| **Exclusions:** | |
| Any order canceled by the CLEC will be excluded from this measurement.<br>Delays caused by the CLEC<br>Unbundled Loops where there is no existing subscriber loop and loops where coordination is not requested.<br>All unbundled loops on multiple loop orders after the first loop. | |
| **Business Rules:** | |
| This report measures whether BST begins the cutover of an unbundled loop on a coordinated and/or a time specific order at the CLEC requested start time. The cut is considered on time if it starts 15 minutes before or after the requested start time. Using the scheduled time and the actual cutover start time, the measurement will calculate the % within interval and the average interval. If a cut involves multiple lines, the cut will be considered "on time" if the first line is cut within the interval. | |
| **Calculation:** | |
| **% within Interval** – [Total Number of Coordinated Unbundled Loop Orders for the interval] / Total Number of Coordinated Unbundled Loop Orders for the reporting period X 100.<br><br>**Average Interval** - [Σ (Scheduled Date and Time for Cross Connection of a Coordinated Unbundled Loop Order) – (Actual Start Date and Time of a Coordinated Unbundled Loop Order )] / Total Number of Coordinated Unbundled Loop Orders for the reporting period. | |
| **Report Structure:** | |
| CLEC Specific<br>CLEC Aggregate | |
| **Level of Disaggregation:** | |
| Reported in intervals, plus Overall Average Interval<br>Product Reporting Level<br>SL1 Time Specific<br>SL2 Time Specific<br>Coordinated Cuts | |
| **Data Retained Relating to CLEC Experience** | **Data Retained Relating to BST Experience** |
| Report Month<br>CLEC Order Number (so_nbr)<br>Committed Due Date (DD)<br>Service Type (CLASS_SVC_DESC)<br>Cutover Scheduled Start Time<br>Cutover Actual Start Time<br>Total Conversions Orders<br><br>**NOTE:** Code in parentheses is the corresponding header found in the raw data file. | No BST Analog Exists |
| **Retail Analog/Benchmark:** | |
| Benchmark – 95% Within + or – 15 minutes of Scheduled Start Time | |

Revision Date: 05/16/00 (taf)

## PROVISIONING

| **Report/Measurement:** | |
|---|---|
| **P-7. % Provisioning Troubles within 30 days of Service Order Activity** | |
| **Definition:** | |
| Percent Provisioning Troubles within 30 days of Installation measures the quality and accuracy of installation activities | |
| **Exclusions:** | |
| Canceled Service Orders<br>Order Activities of BST or the CLEC associated with internal or administrative use of local services (R Orders, Test Orders, etc.)<br>D & F orders | |
| **Business Rules:** | |
| Measures the quality and accuracy of completed orders. The first trouble report from a service order after completion is counted in this measure. Subsequent trouble reports are measured in Repeat Report Rate. Reports are calculated searching in the prior report period for completed service orders and following 30 days after completion of the service order for a trouble report issue date.<br>D & F orders are excluded as there is no subsequent activity following a disconnect. | |
| **Calculation:** | |
| % Provisioning Troubles within 30 days of Service Order Activity = Σ (Trouble reports on all completed orders ≤ 30 days following service order(s) completion) / (All Service Orders completed in the report calendar month) X 100 | |
| **Report Structure:** | |
| CLEC Specific<br>CLEC Aggregate<br>BST Aggregate | |
| **Level of Disaggregation:** | |
| Reported in categories of <10 line/circuits; > = 10 line/circuits<br>Dispatch / No Dispatch | |
| **Data Retained Relating to CLEC Experience** | **Data Retained Relating to BST Experience** |
| Report Month<br>CLEC Order Number and PON<br>Order Submission Date(TICKET_ID)<br>Order Submission Time (TICKET_ID)<br>Status Type<br>Status Notice Date<br>Standard Order Activity<br>Geographic Scope<br><br>**NOTE:** Code in parentheses is the corresponding header found in the raw data file. | Report Month<br>BST Order Number<br>Order Submission Date<br>Order Submission Time<br>Status Type<br>Status Notice Date<br>Standard Order Activity<br>Geographic Scope |
| **Retail Analog/Benchmark:** | |
| CLEC Residence Resale / BST Residence Retail<br>CLEC Business Resale / BST Business Retail<br>CLEC Non-UNE Design / BST Design<br>Interconnection Trunks-CLEC / Interconnection Trunks –BST<br>UNEs-(See Appendix D) | |

Revision Date: 05/15/00 (taf)

## PROVISIONING

**Report/Measurement :**

**P-8. Total Service Order Cycle Time (TSOCT)**

**Definition:**

This report measures the total service order cycle time from receipt of a valid service order request to the completion of the service order.

**Exclusions:**

Canceled Service Orders
Order Activities of BST or the CLEC associated with internal or administrative use of local services (Record Orders, Test Orders, etc.)
D (Disconnect) and F (From) orders. (From is disconnect side of a move order when the customer moves to a new address).
"L" Appointment coded orders (where the customer has requested a later than offered interval)
Orders with CLEC/Subscriber caused delays or CLEC/Subscriber requested due date changes.

**Business Rules:**

The interval is determined for each order processed during the reporting period. This measurement combines two reports: FOC (Firm Order Confirmation) with Average Order Completion Interval.

This interval starts with the receipt of a valid service order request and stops when the technician or system completes the order in SOCS. Elapsed time for each order is accumulated for each reporting dimension. The accumulated time for each reporting dimension is then divided by the associated total number of orders completed.

**Calculation :**

**Total Service Order Cycle Time**

Σ(Completion Date and Time of Service Order) (SOCS HIST-CD DATE) - (Date and Time of Service Request Receipt) / (Count of Orders Completed in Reporting Period)

**Report Structure:**

CLEC Specific
CLEC Aggregate
BST Aggregate

**Level of Disaggregation:**

Reported in categories of < 10 line/circuits; > = 10 line/circuits
Dispatch/No Dispatch categories applicable to all levels except trunks.
Intervals 0-5, 5-10, 10-15, 15-20, 20-25, 25-30, > = 30 Days

| **Data Retained Relating to CLEC Experience** | **Data Retained Relating to BST Experience** |
|---|---|
| Report Month<br>Interval for FOC<br>CLEC Company Name (OCN)<br>Order Number (PON)<br>Submission Date & Time (TICKET_ID)<br>Completion Date (CMPLTN_DT)<br>Service Type (CLASS_SVC_DESC)<br>Geographic Scope<br><br>**NOTE:** Code in parentheses is the corresponding header found in the raw data file. | Report Month<br>BST Order Number<br>Order Submission Date & Time<br>Order Completion Date & Time<br>Service Type<br>Geographic Scope |

**Retail Analog/Benchmark**

See Appendix D

Revision Date: 02/28/00 (taf)

## PROVISIONING

| **Report/Measurement:** | |
|---|---|
| **P-9. Service Order Accuracy GEORGIA ONLY** | |
| **Definition:** | |
| The "service order accuracy" measurement measures the accuracy and completeness of BST service orders by comparing what was ordered and what was completed. | |
| **Exclusions:** | |
| Cancelled Service Orders<br>Order Activities of BST associated with internal or administrative use of local services<br>D & F orders | |
| **Business Rules:** | |
| A manual sampling of service orders, completed during a monthly reporting period, is compared to the original account profile and the order that the CLEC sent to BST. An order is "completed without error" if all service attributes and account detail changes (as determined by comparing the original order) completely and accurately reflect the activity specified on the original order and any supplemental CLEC order. | |
| **Calculation:** | |
| Percent Service Order Accuracy = Σ (Orders Completed without Error) / Σ (Orders Completed in Reporting Period) x 100 | |
| **Report Structure:** | |
| CLEC Aggregate | |
| **Level of Disaggregation:** | |
| Reported in categories of <10 line/circuits; > = 10 line/circuits<br>Dispatch / No Dispatch | |
| **Data Retained Relating to CLEC Experience** | **Data Retained Relating to BST Experience** |
| Report Month<br>CLEC Order Number and PON<br>Local Service Request (LSR)<br>Order Submission Date<br>Committed Due Date<br>Service Type<br>Standard Order Activity | Being investigated at this time |
| **Retail Analog/Benchmark:** | |
| (Under Investigation) | |

Revision Date: 05/25/00 (taf)

## PROVISIONING

| Report/Measurement: |
|---|
| **P-10. LNP-Percent Missed Installation Appointments** |
| **Definition:** |
| "Percent missed installation appointments" monitors the reliability of BST commitments with respect to committed due dates to assure that CLECs can reliably quote expected due dates to their retail customer as compared to BST. This measure is the percentage of total orders processed for which BST is unable to complete the service orders on the committed due dates and reported for both BST and End User Misses. |
| **Exclusions:** |
| Canceled Service Orders<br>Order Activities of BST or the CLEC associated with internal or administrative use of local services (Record Orders, Test Orders, etc.) where identifiable. |
| **Business Rules:** |
| Percent Missed Installation Appointments (PMI) is the percentage of total orders processed for which BST is unable to complete the service orders on the committed due dates. Missed Appointments caused by end-user reasons will be included and reported in a separate category. The "due date" is any time on the confirmed due date, which means there cannot be a cutoff time for commitments as certain types of orders are requested to be worked after standard business hours. Also, during Daylight Savings Time, field technicians are scheduled until 9PM in some areas and the customer is offered a greater range of intervals from which to select. |
| **Calculation:** |
| **Percent Missed Installation Appointments:**<br>[ (Number of Orders Not Completed by Committed Due Date in Reporting Period) / (Number of Orders Completed in Reporting Period)] X 100 |
| **Report Structure:** |
| Mechanized (service orders generated by LSRs submitted via EDI or TAG)<br>CLEC Specific<br>CLEC Aggregate<br><br>**Report explanation:** Total Missed Appointments is the total % of orders missed either by BST or the CLEC end user. End User MA represents the percentage of orders missed by the CLEC end user. The difference between End User Missed Appointments and Total Missed Appointments is the result of BST caused misses. |
| **Level of Disaggregation:** |
| Product Reporting Levels<br>LNP<br>UNE Loop Associated w/LNP<br>Geographic Scope<br>State, Region |
| **Retail Analog/Benchmark:** |
| See Appendix D |

Revision Date: 05/15/00 (taf)

## PROVISIONING – (LNP)

| **Report/Measurement :** |
|---|
| **P-11. LNP-Average Disconnect Timeliness Interval & Disconnect Timeliness Interval Distribution** |
| **Definition:** |
| Disconnect Timeliness is defined as the interval between the time the LNP Gateway receives the 'Number Ported' message from NPAC (signifying the CLEC 'Activate') until the time that the Disconnect service order for an LSR is completed in SOCS. This interval effectively measures BST responsiveness by isolating it from impacts that are caused by CLEC related activities. |
| **Exclusions:** |
| Canceled Service Orders<br>Order Activities of BST or the CLEC associated with internal or administrative use of local services (Record Orders, Test Orders, etc.) where identifiable. |
| **Business Rules:** |
| The Disconnect Timeliness interval is determined for each Disconnect service order processed on an LSR during the reporting period. The Disconnect Timeliness interval is the elapsed time from when BST receives the 'Number Ported' message for an LSR's disconnect order from NPAC (signifying the CLEC 'Activate') until the Disconnect service order is completed in SOCS. Elapsed time for each order is accumulated for each reporting dimension. The accumulated time for each reporting dimension is then divided by the total number of selected disconnect orders which have been completed. |
| **Calculation :** |
| **Average Disconnect Timeliness Interval:**<br>Σ[ (Disconnect Service Order Completion Date & Time) - ('Number Ported' Message Received Date & Time) ] / Σ (Total Number of Disconnect Service Orders Completed in Reporting Period)<br>**Disconnect Timeliness Interval Distribution:**<br>[Σ (Disconnect Service Orders Completed in "X" days) / (Total Disconnect Service Orders Completed in Reporting Period)] X 100 |
| **Report Structure:** |
| Mechanized (service orders generated by LSRs submitted via EDI or TAG)<br>CLEC Specific<br>CLEC Aggregate |
| **Level of Disaggregation:** |
| Reported in day intervals = 0,1,2,3,4, 5, >5 days<br>Product Reporting Levels<br>LNP<br>Geographic Scope<br>State, Region |
| **Retail Analog/Benchmark:** |
| See Appendix D |

Revision Date: 05/15/00 (taf)

## PROVISIONING

| Report/Measurement : |
|---|
| **P-12. LNP-Total Service Order Cycle Time** |
| **Definition:** |
| Total Service Order Cycle Time measures the interval from receipt of a valid service order request to the completion of the final service order associated with that service request. |
| **Exclusions:** |
| Canceled Service Orders<br>Order Activities of BST or the CLEC associated with internal or administrative use of local services (Record Orders, Test Orders, etc.) where identifiable<br>"L" appointment coded orders (indicating the customer has requested a later than offered interval)<br>"S" missed appointment coded orders (indicating subscriber missed reasons), except for "SP" codes (indicating subscriber prior due date requested). |
| **Business Rules:** |
| The interval is determined for each service request processed during the reporting period. This measurement combines two reports: FOC (Firm Order Confirmation) with Average Order Completion Interval.<br><br>This interval starts with the receipt of a valid service request and stops when the technician or system completes all the related service orders for the LSR in SOCS. Elapsed time for each service request is accumulated for each reporting dimension. The accumulated time for each reporting dimension is then divided by the associated total number of service requests completed to produce the total service order cycle time. |
| **Calculation :** |
| **Average Total Service Order Cycle Time:**<br>Σ[ (Service Order Completion Date & Time) - (Service Request Receipt Date & Time) ] / Σ (Total Number Service Requests Completed in Reporting Period)<br><br>**Total Service Order Cycle Time Interval Distribution:**<br>Σ (Total Number of Service Requests Completed in "X" minutes/hours) / (Total Number of Service Requests Received in Reporting Period)] X 100 |
| **Report Structure:** |
| Mechanized (service orders generated by LSRs submitted via EDI or TAG)<br>CLEC Specific<br>CLEC Aggregate<br>"W" Appointment Code Only (Company Offered) |
| **Level of Disaggregation:** |
| Reported in day intervals 0 - 5, 5 - 10, 10 - 15, 15 - 20, 20 - 25, 25 - 30, >30 days<br>Product Reporting Levels<br>LNP<br>UNE Loop with LNP<br>Geographic Scope<br>State, Region |
| **Retail Analog/Benchmark:** |
| See Appendix D |

Revision Date: 02/16/00 (taf)

**Maintenance and Repair Level of Disaggregation**

*Product Reporting Levels*

Resale · Retail
Pots – Residence
Pots – Business
Design
PBX (Louisiana SQM)
CENTREX (Louisiana SQM)
ISDN (Louisiana SQM) (**Note:** ISDN Trouble included in POTS for Georgia Only)

Unbundled Network Elements
UNE Design
UNE Non-Design
UNE 2 Wire Loop (Louisiana SQM)
UNE Loop Other (Louisiana SQM)
Unbundled Ports (Louisiana SQM)
UNE Other Non-Design
Combos, Switching, Local Transport, DSL (under development)

Trunks
Local Interconnection Trunks

Dispatch/No Dispatch categories applicable to all levels

Geographic Scope
State, Region and further geographic disaggregation as required by State Commission Order (e.g., Metropolitan Service Area – MSA)

## MAINTENANCE & REPAIR

**Report/Measurement:**

**M&R-1. Missed Repair Appointments**

**Definition:**

The percent of trouble reports not cleared by the committed date and time.

**Exclusions:**

Trouble tickets canceled at the CLEC request.
BST trouble reports associated with internal or administrative service.
Customer Provided Equipment (CPE) troubles or CLEC Equipment Trouble.

**Business Rules:**

The negotiated commitment date and time is established when the repair report is received. The cleared time is the date and time that BST personnel clear the trouble and closes the trouble report in his/her Computer Access Terminal (CAT) or workstation. If this is after the Commitment time, the report is flagged as a "Missed Commitment" or a missed repair appointment. When the data for this measure is collected for BST and a CLEC, it can be used to compare the percentage of the time repair appointments are missed due to BST reasons. (No access reports are not part of this measure because they are not a missed appointment.)

Note: Appointment intervals vary with force availability in the POTS environment. Specials and Trunk intervals are standard interval appointments of no greater than 24 hours.

**Calculation:**

Percentage of missed Repair Appointments = Σ (Count of Customer Troubles Not Cleared by the Quoted Commitment Date and Time) / Σ (Total Trouble reports closed in Reporting Period) X 100

**Report Structure:**

CLEC Specific
CLEC Aggregate
BST Aggregate

| **Data Retained Relating to CLEC Experience:** | **Data Retained Relating to BST Performance:** |
|---|---|
| Report month<br>CLEC Company Name<br>Submission Date & Time (TICKET_ID)<br>Completion Date (CMPLTN_DT)<br>Service Type (CLASS_SVC_DESC)<br>Disposition and Cause (CAUSE_CD & CAUSE_DESC)<br>Geographic Scope<br><br>NOTE: Code in parentheses is the corresponding header found in the raw data file. | Report month<br>BST Company Code<br>Submission Date & Time<br>Completion Date<br>Service Type<br>Disposition and Cause (Non-Design /Non-Special Only)<br>Trouble Code (Design and Trunking Services)<br>Geographic Scope |

**Retail Analog/Benchmark:**

CLEC Residence Resale/BST Residence Retail
CLEC Business Resale/BST Business Retail
CLEC Design-Resale/BST Design-Retail
CLEC PBX, Centrex, and ISDN Resale/BST PBX, Centrex, and ISDN Retail
CLEC Trunking-Resale / BST Trunking-Retail
UNEs-(See Appendix D)

Revision Date: 05/15/00 (see)

## MAINTENANCE & REPAIR

**Report/Measurement:**

**M&R-2. Customer Trouble Report Rate**

**Definition:**

Initial and repeated customer direct or referred troubles reported within a calendar month per 100 lines/circuits in service.

**Exclusions:**

Trouble tickets canceled at the CLEC request.
BST trouble reports associated with internal or administrative service.
Customer Provided Equipment (CPE) troubles or CLEC Equipment Trouble.

**Business Rules:**

Customer Trouble Report Rate is computed by accumulating the number of maintenance initial and repeated trouble reports during the reporting period. The resulting number of trouble reports are divided by the total "number of service" lines, ports or combination that exist for the CLECs and BST respectively at the end of the report month.

**Calculation:**

Customer Trouble Report Rate = (Count of Initial and Repeated Trouble Reports in the Current Period) / (Number of Service Access Lines in service at End of the Report Period) X 100

**Report Structure:**

CLEC Specific
CLEC Aggregate
BST Aggregate

| **Data Retained Relating to CLEC Experience:** | **Data Retained Relating to BST Performance:** |
|---|---|
| Report month<br>CLEC Company Name<br>Ticket Submission Date & Time (TICKET_ID)<br>Ticket Completion Date (CMPLTN_DT)<br>Service Type (CLASS_SVC_DESC)<br>Disposition and Cause (CAUSE_CD & CAUSE_DESC)<br># Service Access Lines in Service at the end of period<br>Geographic Scope<br><br>NOTE: Code in parentheses is the corresponding header found in the raw data file. | Report month<br>BST Company Code<br>Ticket Submission Date & Time<br>Ticket Completion Date<br>Service Type<br>Disposition and Cause (Non-Design /Non-Special Only)<br>Trouble Code (Design and Trunking Services)<br># Service Access Lines in Service at the end of period<br>Geographic Scope |

**Retail Analog/Benchmark:**

CLEC Residence Resale/BST Residence Retail
CLEC Business Resale/BST Business Retail
CLEC Design-Resale/BST Design-Retail
CLEC PBX, Centrex, and ISDN Resale/BST PBX, Centrex, and ISDN Retail
CLEC Trunking-Resale / BST Trunking-Retail
UNEs-(See Appendix D)

Revision Date: 02/22/00 (see)

## MAINTENANCE & REPAIR

| **Report/Measurement:** | |
|---|---|
| **M&R-3. Maintenance Average Duration** | |
| **Definition:** | |
| The Average duration of Customer Trouble Reports from the receipt of the Customer Trouble Report to the time the trouble report is cleared. | |
| **Exclusions:** | |
| Trouble tickets canceled at the CLEC request.<br>BST trouble reports associated with internal or administrative service.<br>Customer Provided Equipment (CPE) troubles or CLEC Equipment Trouble.<br>Trouble reports greater than 10 days | |
| **Business Rules:** | |
| For Average Duration the clock starts on the da e and time of the receipt of a correct repair request. The clock stops on the date and time the service is restored and the BST or CLEC customer is notified (when the technician completes the trouble ticket on his/her CAT or work systems). | |
| **Calculation:** | |
| Maintenance Average Duration = Σ(Date and Time of Service Restoration) – (Date and Time Trouble Ticket was Opened) / Σ(Total Closed Troubles in the reporting period) | |
| **Report Structure:** | |
| CLEC Specific<br>CLEC Aggregate<br>BST Aggregate | |
| **Data Retained Relating to CLEC Experience:** | **Data Retained Relating to BST Performance:** |
| Report month<br>Total Tickets (LINE_NBR)<br>CLEC Company Name<br>Ticket Submission Date & Time (TICKET_ID)<br>Ticket Completion Date (CMPLTN_DT)<br>Service Type (CLASS_SVC_DESC)<br>Disposition and Cause (CAUSE_CD & CAUSE_DESC)<br>Geographic Scope<br><br>NOTE: Code in parentheses is the corresponding header found in the raw data file. | Report month<br>Total Tickets<br>BST Company Code<br>Ticket Submission Date<br>Ticket Submission Time<br>Ticket Completion Date<br>Ticket Completion Time<br>Total Duration Time<br>Service Type<br>Disposition and Cause (Non-Design /Non-Special Only)<br>Trouble Code (Design and Trunking Services)<br>Geographic Scope |
| **Retail Analog/Benchmark:** | |
| CLEC Residence Resale/BST Residence Retail<br>CLEC Business Resale/BST Business Retail<br>CLEC Design-Resale/BST Design-Retail<br>CLEC PBX, Centrex, and ISDN Resale/BST PBX, Centrex, and ISDN Retail<br>CLEC Trunking-Resale / BST Trunking-Retail<br>UNEs-(See Appendix D) | |

Revision Date: 05/25/00 (see)

## MAINTENANCE & REPAIR

| **Report/Measurement:** | |
|---|---|
| **M&R-4. Percent Repeat Troubles within 30 Days** | |
| **Definition:** | |
| Trouble reports on the same line/circuit as a previous trouble report received within 30 calendar days as a percent of total trouble reported | |
| **Exclusions:** | |
| Trouble tickets canceled at the CLEC request.<br>BST trouble reports associated with internal or administrative service.<br>Customer Provided Equipment (CPE) troubles or CLEC Equipment Trouble. | |
| **Business Rules:** | |
| Includes Customer trouble reports received within 30 days of an original Customer trouble report | |
| **Calculation:** | |
| Percent Repeat Troubles within 30 Days = (Count of Customer Troubles where more than one trouble report was logged for the same service line within a continuous 30 days) / (Total Trouble Reports Closed in Reporting Period) X 100 | |
| **Report Structure:** | |
| CLEC Specific<br>CLEC Aggregate<br>BST Aggregate | |
| **Data Retained Relating to CLEC Experience:** | **Data Retained Relating to BST Performance:** |
| Report month<br>Total Tickets (LINE_NBR)<br>CLEC Company Name<br>Ticket Submission Date & Time (TICKET_ID)<br>Ticket Completion Date (CMPLTN_DT)<br>Total and Percent Repeat Trouble Reports within 30 Days (TOT_REPEAT)<br>Service Type<br>Disposition and Cause (CAUSE_CD & CAUSE_DESC)<br>Geographic Scope<br><br>NOTE: Code in parentheses is the corresponding header found in the raw data file. | Report month<br>Total Tickets<br>BST Company Code<br>Ticket Submission Date<br>Ticket Submission Time<br>Ticket Completion Date<br>Ticket Completion Time<br>Total and Percent Repeat Trouble Reports within 30 Days<br>Service Type<br>Disposition and Cause (Non-Design /Non-Special Only)<br>Trouble Code (Design and Trunking Services)<br>Geographic Scope |
| **Retail Analog/Benchmark:** | |
| CLEC Residence Resale/BST Residence Retail<br>CLEC Business Resale/BST Business Retail<br>CLEC Design-Resale/BST Design-Retail<br>CLEC PBX, Centrex, and ISDN Resale/BST PBX, Centrex, and ISDN Retail<br>CLEC Trunking-Resale / BST Trunking-Retail<br>UNEs-(See Appendix D) | |

Revision Date: 02/22/00 (see)

## MANTENANCE & REPAIR

| **Report/Measurement:** | |
|---|---|
| M&R-5. Out of Service (OOS) > 24 Hours | |
| **Definition:** | |
| For Out of Service Troubles (no dial tone, cannot be called or cannot call out) the percentage of Total OOS Troubles cleared in excess of 24 hours. (All design services are considered to be out of service). | |
| **Exclusions:** | |
| Trouble Reports canceled at the CLEC request<br>BST Trouble Reports associated with administrative service<br>Customer Provided Equipment (CPE) Troubles or CLEC Equipment Troubles. | |
| **Business Rules:** | |
| Customer Trouble reports that are out of service and cleared in excess of 24 hours. The clock begins when the trouble report is created in LMOS and the trouble is counted if the elapsed time exceeds 24 hours. | |
| **Calculation:** | |
| Out of Service (OOS) > 24 hours = (Total Cleared Troubles OOS > 24 Hours) / Total OOS Troubles in Reporting Period) X 100 | |
| **Report Structure:** | |
| CLEC Specific<br>BST Aggregate<br>CLEC Aggregate | |
| **Data Retained Relating to CLEC Experience** | **Data Retained Relating to BST Experience** |
| Report Month<br>Total Tickets<br>CLEC Company Name<br>Ticket Submission Date & Time (TICKET_ID)<br>Ticket Completion Date (CMPLTN_DT<br>Percentage of Customer Troubles out of Service > 24 Hours (OOS>24_FLAG)<br>Service type (CLASS_SVC_DESC)<br>Disposition and Cause (CAUSE_CD & CAUSE-DESC)<br>Geographic Scope<br><br>**NOTE:** Code in parentheses is the corresponding header found in the raw data file. | Report Month<br>Total Tickets<br>BST Company Code<br>Ticket Submission Date<br>Ticket Submission time<br>Ticket Completion Date<br>Ticket Completion Time<br>Percent of Customer Troubles out of Service > 24 Hours<br>Service type<br>Disposition and Cause (Non – Design/Non-Special only)<br>Trouble Code (Design and Trunking Services)<br>Geographic Scope |
| **Retail Analog/Benchmark:** | |
| CLEC Residence-Resale / BST Residence- Retail<br>CLEC Business- Resale / BST Business-Retail<br>CLEC Design-Resale / BST Design-Retail<br>CLEC PBX, Centrex and ISDN Resale / BST PBX, Centrex and ISDN Retail<br>CLEC Trunking-Resale /BST Trunking- Retail<br>UNEs – (See Appendix D) | |

Revision Date: 05/12/00 (see)

## MAINTENANCE & REPAIR

| **Report/Measurement:** | |
|---|---|
| M&R-6. Average Answer Time – Repair Centers | |
| **Definition:** | |
| This measures the average time a customer is in Queue when calling a BellSouth Repair Center. | |
| **Exclusions:** | |
| None | |
| **Business Rules:** | |
| The clock starts when a CLEC Representative or BellSouth customer makes a choice on the Repair Center's menu and is put in queue for the next repair attendant. The clock stops when the repair attendant answers the call. (abandoned calls are not included)<br><br>(NOTE: The Total Column is a combined BST Residence and Business number) | |
| **Level of Disaggregation:** | |
| Region. CLEC/BST Service Centers and BST Repair Centers are regional. | |
| **Calculation:** | |
| Average Answer Time for BST's Repair Centers = (Time BST Repair Attendant Answers Call) – (Time of entry into queue until ACD Selection) / (Total number of calls by reporting period) | |
| **Report Structure:** | |
| CLEC Aggregate<br>BST Aggregate | |
| **Data Retained Relating to CLEC Experience** | **Data Retained Relating to BST Experience** |
| CLEC Average Answer Time | BST Average Answer Time |
| **Retail Analog/Benchmark:** | |
| For CLEC, Average Answer Times in UNE Center and BRMC are comparable to the Average Answer Times in the BST Repair Centers. | |

Revision Date: 05/25/00 (see)

BILLING

| **Report/Measurement:** | |
|---|---|
| B-1. Invoice Accuracy | |
| **Definition:** | |
| This measure provides the percentage of accuracy of the billing invoices rendered to CLECs during the current month. | |
| **Exclusions:** | |
| Adjustments not related to billing errors (e.g., credits for service outage, special promotion credits, adjustments to satisfy the customer) | |
| **Business Rules:** | |
| The accuracy of billing invoices delivered by BST to the CLEC must enable them to provide a degree of billing accuracy comparative to BST bills rendered to retail customers of BST. CLECs request adjustments on bills determined to be incorrect. The BellSouth Billing verification process includes manually analyzing a sample of local bills from each bill period. The bill verification process draws from a mix of different customer billing options and types of service. An end-to-end auditing process is performed for new products and services. Internal measurements and controls are maintained on all billing processes. | |
| **Calculation:** | |
| **Invoice Accuracy** = (Total Billed Revenues during current month) – (Absolute Value of Billing Related Adjustments during current month) / Total Billed Revenues during current month X 100 | |
| **Report Structure:** | |
| CLEC Specific<br>CLEC Aggregate<br>BST Aggregate | |
| **Level of Disaggregation:** | |
| Product / Invoice Type<br>Resale<br>UNE<br>Interconnection<br>Geographic Scope<br>Region | |
| **Data Retained Relating to CLEC Experience:** | **Data Retained Relating to BST Performance:** |
| Report Month<br>Invoice Type<br>Total Billed Revenue Adjustments | Report month<br>Retail Type<br>CRIS<br>CABS<br>Total Billed Revenue<br>Billing Related Adjustments |
| **Retail Analog/Benchmark:** | |
| CLEC Invoice Accuracy is comparable to BST Invoice Accuracy<br>See Appendix D | |

Revision Date: 05/03/00 (dg)

## BILLING

**Report/Measurement:**

B-2. Mean Time to Deliver Invoices

**Definition:**

***Bill Distribution is calculated as follows: CRIS BILLS-The number of workdays is reported for CRIS bills. This is calculated by counting the Bill Period date as the first work day. Weekends and holidays are excluded when counting workdays. J/N Bills are counted in the CRIS work day category for the purposes of the measurement since their billing account number (Q account) is provided from the CRIS system.***

CABS BILLS-The number of calendar days is reported for CABS bills. This is calculated by counting the day following the Bill Period date as the first calendar day. Weekends and holidays are included when counting the calendar days.

**Exclusions:**

Any invoices rejected due to formatting or content errors.

**Business Rules:**

This report measures the mean interval for timeliness of billing records delivered to CLECs in an agreed upon format. CRIS-based invoices are measured in business days, and CABS-based invoices in calendar days.

**Calculation:**

**Mean Time To Deliver Invoices** = Σ [(Invoice Transmission Date) – (Close Date of Scheduled Bill Cycle)] / (Count of Invoices Transmitted in Reporting Period)

**Report Structure:**

CLEC Specific
CLEC Aggregate
BST Aggregate

**Level of Disaggregation:**

Product / Invoice Type
- Resale
- UNE
- Interconnection

Geographic Scope
Region

| **Data Retained Relating to CLEC Experience:** | **Data Retained Relating to BST Performance:** |
|---|---|
| Report month | Report month |
| Invoice Type | Retail Type |
| Invoice Transmission Count | CRIS |
| Date of Scheduled Bill Close | CABS |
| | Invoice Transmission Count |
| | Date of Scheduled Bill Close |

**Retail Analog/Benchmark:**

CRIS-based invoices will be released for delivery within six (6) business days.
CABS-based invoices will be released for delivery within eight (8) calendar days.
CLEC Average Delivery Intervals for both CRIS and CABS Invoices are comparable to BST Average delivery for both systems.
See Appendix D

Revision Date: 05/03/00 (dg)

BILLING

| **Report/Measurement:** | |
|---|---|
| **B-3. Usage Data Delivery Accuracy** | |
| **Definition:** | |
| This measurement captures the percentage of recorded usage that is delivered error free and in an acceptable format to the appropriate Competitive Local Exchange Carrier (CLEC). These percentages will provide the necessary data for use as a comparative measurement for BellSouth performance. This measurement captures Data Delivery Accuracy rather than the accuracy of the individual usage recording. | |
| **Exclusions:** | |
| None | |
| **Business Rules:** | |
| The accuracy of the data delivery of usage records delivered by BST to the CLEC must enable them to provide a degree of accuracy comparative to BST bills rendered to their retail customers. If errors are detected in the delivery process, they are investigated, evaluated and documented. Errors are corrected and the data retransmitted to the CLEC. | |
| **Calculation:** | |
| **Usage Data Delivery Accuracy** = Σ[(Total number of usage data packs sent during current month) – (Total number of usage data packs requiring retransmission during current month)] / (Total number of usage data packs send during current month) X 100 | |
| **Report Structure:** | |
| CLEC Specific<br>CLEC Aggregate<br>BST Aggregate | |
| **Level of Disaggregation:** | |
| Geographic Scope<br>Region | |
| **Data Retained Relating to CLEC Experience:** | **Data Retained Relating to BST Performance:** |
| Report Month<br>Record Type<br>BellSouth Recorded<br>Non BellSouth Recorded | Report month<br>Record Type |
| **Retail Analog/Benchmark:** | |
| CLEC Usage Data Delivery Accuracy is comparable to BST Usage Data Delivery Accuracy<br>See Appendix D | |

Revision Date: 02/28/00 (dg)

BILLING

| **Report/Measurement:** | |
|---|---|
| **B-4. Usage Data Delivery Completeness** | |
| **Definition:** | |
| This measurement provides percentage of complete and accurately recorded usage data (usage recorded by BellSouth and usage recorded by other companies and sent to BST for billing) that is processed and transmitted to the CLEC within thirty (30) days of the message recording date. A parity measure is also provided showing completeness of BST messages processed and transmitted via CMDS. BellSouth delivers its own retail usage from recording location to billing location via CMDS as well as delivering billing data to other companies. Timeliness, Completeness and Mean Time to Deliver Usage measures are reported on the same report. | |
| **Exclusions:** | |
| None | |
| **Business Rules:** | |
| The purpose of these measurements is to demonstrate the level of quality of usage data delivered to the appropriate CLEC. Method of delivery is at the option of the CLEC. | |
| **Calculation:** | |
| **Usage Data Delivery Completeness** = Σ[(Total number of Recorded usage records delivered during current month that are within thirty (30) days of the message recording date) / Σ (Total number of Recorded usage records delivered during the current month) X 100 | |
| **Report Structure:** | |
| CLEC Specific<br>CLEC Aggregate<br>BST Aggregate | |
| **Level of Disaggregation:** | |
| Geographic Scope<br>Region | |
| **Data Retained Relating to CLEC Experience:** | **Data Retained Relating to BST Performance:** |
| Report Month<br>Record Type<br>BellSouth Recorded<br>Non BellSouth Recorded | Report month<br>Record Type |
| **Retail Analog/Benchmark:** | |
| CLEC Usage Data Delivery Completeness is comparable to BST Usage Data Delivery Completeness<br>See Appendix D | |

Revision Date: 02/28/00 (dg)

## BILLING

| **Report/Measurement:** | |
|---|---|
| **B-5. Usage Data Delivery Timeliness** | |
| **Definition:** | |
| This measurement provides a percentage of recorded usage data (usage recorded by BST and usage recorded by other companies and sent to BST for billing) that is delivered to the appropriate CLEC within six (6) calendar days from the receipt of the initial recording. A parity measure is also provided showing timeliness of BST messages processed and transmitted via CMDS. Timeliness, Completeness and Mean Time to Deliver Usage measures are reported on the same report. | |
| **Exclusions:** | |
| None | |
| **Business Rules:** | |
| The purpose of this measurement is to demonstrate the level of timeliness for processing and transmission of usage data delivered to the appropriate CLEC. The usage data will be mechanically transmitted or mailed to the CLEC data processing center once daily. The Timeliness interval of usage recorded by other companies is measured from the date BST receives the records to the date BST distributes to the CLEC. Method of delivery is at the option of the CLEC. | |
| **Calculation:** | |
| **Usage Data Delivery Timeliness Current month** = Σ(Total number of usage records sent within six (6) calendar days from initial recording/receipt) / Σ(Total number of usage records sent) X 100 | |
| **Report Structure:** | |
| CLEC Aggregate<br>CLEC Specific<br>BST-Aggregate | |
| **Level of Disaggregation:** | |
| Geographic Scope<br>Region | |
| **Data Retained Relating to CLEC Experience:** | **Data Retained Relating to BST Performance:** |
| Report Month<br>Record Type<br>BellSouth Recorded<br>Non-BellSouth Recorded | Report Monthly<br>Record Type |
| **Retail Analog/Benchmark:** | |
| CLEC Usage Data Delivery Timeliness is comparable to BST Usage Data Delivery Timeliness<br>See Appendix D | |

Revision date: 02/28/00 (dg)

## BILLING

| **Report/Measurement** | |
|---|---|
| **B-6. Mean Time to Deliver Usage** | |
| **Definition:** | |
| This measurement provides the average time it takes to deliver Usage Records to a CLEC. A parity measure is also provided showing timeliness of BST messages processed and transmitted via CMDS. Timeliness, Completeness and Mean Time to Deliver Usage measures are reported on the same report. | |
| **Exclusions:** | |
| None | |
| **Business Rules:** | |
| The purpose of this measurement is to demonstrate the average number of days it takes BST to deliver Usage data to the appropriate CLEC. Usage data is mechanically transmitted or mailed to the CLEC data processing center once daily. Method of delivery is at the option of the CLEC. | |
| **Calculation:** | |
| **Mean Time to Deliver Usage** = Σ (Volume of Records Delivered X estimated number of days to deliver) / Total Record Volume Delivered. | |
| **Report Structure:** | |
| CLEC Aggregate<br>CLEC Specific<br>BST Aggregate | |
| **Level of Disaggregation:** | |
| Geographic Scope<br>Region | |
| **Data Retained Relating to CLEC Experience:** | **Data Retained Relating to BST Performance:** |
| Report Month<br>Record Type<br>BellSouth Recorded<br>Non-BellSouth Recorded | Report Monthly<br>Record Type |
| **Retail Analog/Benchmark:** | |
| Mean Time to Deliver Usage to CLEC is comparable to Mean Time to Deliver Usage to BST<br>See Appendix D | |

Revision Date: 05/03/00 (dg)

OPERATOR SERVICES AND DIRECTORY ASSISTANCE

| **Report/Measurement:** |
|---|
| **OS-1. Speed to Answer Performance/Average Speed to Answer - Toll** |
| **Definition:** |
| Measurement of the average time in seconds calls wait before answered by a toll operator. |
| **Exclusions:** |
| None |
| **Business Rules:** |
| The clock starts when the customer enters the queue and the clock stops when a BellSouth representative answers the call or the customer abandons the call. The length of each call is determined by measuring, using a scanning technique, and accumulating the elapsed time from the entry of a customer call into the BellSouth call management system queue until the customer call is transferred to BellSouth personnel assigned to handle calls for assistance. The system makes no distinction betweenCLEC customers and BST customers. |
| **Calculation:** |
| Total queue time ÷ total calls answered |
| **Report Structure:** |
| Reported for the aggregate of BST and CLECs<br>State |
| **Level of Disaggregation:** |
| None |
| **Data Retained (on Aggregate Basis):** |
| For the items below, BST's Performance Measurement Analysis Platform (PMAP) receives a final computation; therefore, no raw data file is available in PMAP<br>Month<br>Call Type (Toll)<br>Average Speed of Answer |
| **Retail Analog/Benchmark:** |
| Parity by Design<br>See Appendix D |

Revision Date: 05/12/00 (tg)

OPERATOR SERVICES AND DIRECTORY ASSISTANCE

| **Report/Measurement:** |
|---|
| **OS-2. Speed to Answer Performance/Percent Answered with "X" Seconds – Toll** |
| **Definition:** |
| Measurement of the percent of toll calls that are answered in less than "X" seconds. The number of seconds represented by "X" is thirty, except where a different regulatory benchmark has been set for the Average Speed to Answer by a State Commission. |
| **Exclusions:** |
| None |
| **Business Rules:** |
| The clock starts when the customer enters the queue and the clock stops when a BellSouth representative answers the call or the customer abandons the call. The length of each call is determined by measuring, using a scanning technique, and accumulating the elapsed time from the entry of a customer call into the BellSouth call management system queue until the customer call is transferred to BellSouth personnel assigned to handle calls for assistance. The system makes no distinction between CLEC customers and BST customers. |
| **Calculation:** |
| The Percent Answered within "X" Seconds measurement for toll is derived by using the BellCore Statistical Answer Conversion Tables, to convert the Average Speed to Answer measure into a percent of calls answered within "X" seconds. The BellCore Conversion Tables are specific to the defined parameters of work time, number of operators, max queue size and call abandonment rates. |
| **Report Structure:** |
| Reported for the aggregate of BST and CLECs<br>State |
| **Level of Disaggregation:** |
| None |
| **Data Retained (on Aggregate Basis):** |
| For the items below, BST's Performance Measurement Analysis Platform (PMAP) receives a final computation; therefore, no raw data file is available in PMAP<br>Month<br>Call Type (Toll)<br>Average Speed of Answer |
| **Retail Analog/Benchmark:** |
| Parity by Design<br>See Appendix D |

Revision Date: 05/15/00 (tg)

## OPERATOR SERVICES AND DIRECTORY ASSISTANCE

| **Report/Measurement:** |
|---|
| **DA-1. Speed to Answer Performance/Average Speed to Answer – Directory Assistance (DA)** |
| **Definition:** |
| Measurement of the average time in seconds calls wait before answered by a DA operator. |
| **Exclusions:** |
| None |
| **Business Rules:** |
| The clock starts when the customer enters the queue and the clock stops when a BellSouth representative answers the call or the customer abandons the call. The length of each call is determined by measuring, using a scanning technique, and accumulating the elapsed time from the entry of a customer call into the BellSouth call management system queue until the customer call is transferred to BellSouth personnel assigned to handle calls for assistance. The system makes no distinction between CLEC customers and BST customers. |
| **Calculation:** |
| Total queue time – total calls answered |
| **Report Structure:** |
| Reported for the aggregate of BST and CLECs<br>State |
| **Level of Disaggregation:** |
| None |
| **Data Retained (on Aggregate Basis)** |
| For the items below, BST's Performance Measurement Analysis Platform (PMAP) receives a final computation; therefore, no raw data file is available in PMAP<br>Month<br>Call Type (DA)<br>Average Speed of Answer |
| **Retail Analog/Benchmark** |
| Parity by Design<br>See Appendix D |

Revision Date: 05/12/00 (tg)

## OPERATOR SERVICES AND DIRECTORY ASSISTANCE

| **Report/Measurement:** |
|---|
| **DA-2. Speed to Answer Performance/Percent Answered within "X" Seconds – Directory Assistance (DA)** |
| **Definition:** |
| Measurement of the percent of DA calls that are answered in less than "X" seconds. The number of seconds represented by "X" is twenty, except where a different regulatory benchmark has been set for the Average Speed to Answer by a State Commission. |
| **Exclusions:** |
| None |
| **Business Rules:** |
| The clock starts when the customer enters the queue and the clock stops when a BellSouth representative answers the call or the customer abandons the call. The length of each call is determined by measuring, using a scanning technique, and accumulating the elapsed time from the entry of a customer call into the BellSouth call management system queue until the customer call is transferred to BellSouth personnel assigned to handle calls for assistance. The system makes no distinction between CLEC customers and BST customers. |
| **Calculation:** |
| The Percent Answered within "X" Seconds measurement for DA is derived by using the BellCore Statistical Answer Conversion Tables, to convert the Average Speed to Answer measure into a percent of calls answered within "X" seconds. The BellCore Conversion Tables are specific to the defined parameters of work time, number of operators, max queue size and call abandonment rates. |
| **Report Structure:** |
| Reported for the aggregate of BST and CLECs<br>State |
| **Level of Disaggregation:** |
| None |
| **Data Retained (on Aggregate Basis)** |
| For the items below, BST's Performance Measurement Analysis Platform (PMAP) receives a final computation; therefore, no raw data file is available in PMAP.<br>Month<br>Call Type (DA)<br>Average Speed of Answer |
| **Retail Analog/Benchmark** |
| Parity by Design<br>See Appendix D |

Revision Date: 05/15/00 (tg)

E911

| **Report/Measurement:** |
|---|
| **E-1. Timeliness** |
| **Definition:** |
| Measures the percent of batch orders for E911 database updates (to CLEC resale and BST retail records) processed successfully within a 24-hour period. |
| **Exclusions:** |
| Any resale order canceled by a CLEC<br>Facilities-based CLEC orders |
| **Business Rules:** |
| The 24-hour processing period is calculated based on the date and time processing starts on the batch orders and the date and time processing stops on the batch orders. Mechanical processing starts when SCC (BST's E911 vendor) receives E911 files containing batch orders extracted from BST's Service Order Control System (SOCS). Processing stops when SCC loads the individual records to the E911 database. The system makes no distinction between CLEC resale records and BST retail records. |
| **Calculation:** |
| E911 Timelines = Σ (Number of batch orders processed within 24 hours ÷Total number of batch orders submitted) x 100 |
| **Report Structure:** |
| Reported for the aggregate of CLEC resale updates and BST retail updates<br>State<br>Region |
| **Level of Disaggregation:** |
| None |
| **Data Retained** |
| Report month<br>Aggregate data |
| **Retail Analog/Benchmark:** |
| Parity by Design<br>See Appendix D |

Revision Date: 05/10/00 (tg)

E911

| **Report/Measurement:** |
|---|
| **E-1. Accuracy** |
| **Definition:** |
| Measures the percent of E911 telephone number (TN) record updates (to CLEC resale and BST retail records) processed successully for E911. |
| **Exclusions:** |
| Any resale order canceled by a CLEC<br>Facilities-based CLEC orders |
| **Business Rules:** |
| Accuracy is based on the number of records processed without error at the conclusion of the processing cycle. Mechanical processing starts when SCC (BST's E911 vendor) receives E911 files containing telephone number (TN) records extracted from BST's Service Order Control System (SOCS). The system makes no distinction between CLEC resale records and BST retail records. |
| **Calculation:** |
| E911 Accuracy = Σ (Number of record individual updates processed with no errors ÷Total number of individual record updates) x 100 |
| **Report Structure:** |
| Reported for the aggregate of CLEC resale updates and BST retail updates<br>State<br>Region |
| **Level of Disaggregation:** |
| None |
| **Data Retained** |
| Report month<br>Aggregate data |
| **Retail Analog/Benchmark:** |
| Parity by Design<br>See Appendix D |

Revision Date: 05/10/00 (tg)

E911

| Report/Measurement: |
|---|
| **E-3. Mean Interval** |
| **Definition:** |
| Measures the mean interval processing of E911 batch orders (to update CLEC resale and BST retail records). |
| **Exclusions:** |
| Any resale order canceled by a CLEC<br>Facilities-based CLEC orders |
| **Business Rules:** |
| The processing period is calculated based on the date and time processing starts on the batch orders and the date and time processing stops on the batch orders. Data is posted is 4-hour increments up to and beyond 24 hours. The system makes no distinction between CLEC resale records and BST retail records. |
| **Calculation:** |
| E911 Mean Interval = Σ (Date and time of batch order completion – Date and time of batch order submission) ÷ (Number of batch orders completed) |
| **Report Structure:** |
| Reported for the aggregate of CLEC resale updates and BST retail updates<br>State<br>Region |
| **Level of Disaggregation:** |
| None |
| **Data Retained** |
| Report month<br>Aggregate data |
| **Retail Analog/Benchmark:** |
| Parity by Design<br>See Appendix D |

Revision Date: 05/15/00 (tg)

TRUNK GROUP PERFORMANCE

**Report/Measurement:**

**TGP-1. Trunk Group Performance-Aggregate**

**Definition:**

A report of aggregate blocking information for CLEC trunk groups and BellSouth trunk groups.

**Exclusions:**

Trunk Groups for which valid data is not available for an entire study period
Duplicate trunk group information

**Business Rules:**

Aggregate blocking results are created using the statistical analysis package and are output into Excel with a separate table for each geographic area.

For each geographic area, plots are generated for; a) the monthly blocking by hour for each affecting group (BellSouth or CLEC), and b) the difference between BellSouth blocking data and CLEC blocking data is calculated and plotted.

The TCBH blocking is calculated by determining the monthly averaging blocking for each hour for each trunk. The hour with the highest usage is selected as the TCBH and the blocking for that hour is reported.

Trunk Categorization: This report display, over a reporting cycle, aggregate, weighted average blocking data for each hour of a day. Therefore, for each reporting cycle, 24 blocking data points are generated for two aggregate groups of selected trunk groups. These groups are CLEC affecting and BellSouth affecting trunk groups. In order to assign trunk groups to each aggregate group, all trunk groups are first assigned to a category. A trunk group's end points and the type of traffic that is transmitted on it define a category. Selected categories of trunk groups are assigned to the aggregate groups so that trunk reports can be generated. The categories to which trunk groups have been assigned for this report are as follows.

**CLEC Affecting Categories:**

| | **Point A** | **Point B** |
|---|---|---|
| Category 1: | BellSouth End Office | BellSouth Access Tandem |
| Category 3: | BellSouth End Office | CLEC Switch |
| Category 4: | BellSouth Local Tandem | CLEC Switch |
| Category 5: | BellSouth Access Tandem | CLEC Switch |
| Category 10: | BellSouth End Office | BellSouth Local Tandem |
| Category 16: | BellSouth Tandem | BellSouth Tandem |

**BellSouth Affecting Categories:**

| | **Point A** | **Point B** |
|---|---|---|
| Category 9: | BellSouth End Office | BellSouth End Office |

TRUNK GROUP PERFORMANCE – (TGP-1. Trunk Group Performance-Aggregate – Continued)

**Calculation:**

**Monthly Weighted Average Blocking:**

(Blocking data for each hour X number of valid measurement days within each week) / Σ (Total number of valid measurement days within each week)

Example:

| Hour | | Week 1 | Week 2 | Week 3 | Week 4 | Monthly |
|---|---|---|---|---|---|---|
| 1 | Blocking | 1% | 0.5% | 2% | 1.5% | 1.8% |
| | # Days | 7 | 7 | 5 | 6 | |
| 2 | Blocking | 0% | 0% | 0.2% | 0.3% | .1% |
| | # Days | 7 | 5 | 5 | 7 | |
| 3 | Blocking | 1% | 1% | 0.5% | 2% | 1.1% |
| | # Days | 7 | 7 | 7 | 7 | |
| 24 | Blocking | 1% | 0.5% | 2% | 1.5% | 1.2% |
| | # Days | 7 | 7 | 5 | 6 | |

The monthly weighted average blocking for hour 1 for a particular trunk group is calculated as follows:

$$\frac{(1x7)+(0.5x7)+(2x5)+(1.5x\,6)}{(7+7+5+6)} = 1.8\%$$

**Aggregate Monthly Blocking:**

(Monthly weighted average blocking value for each trunk group) X (number of trunks within each trunk group) / Σ (number of trunks in the aggregate group)

Example:

| Trunk Group | Trunks in Service | Blocking Hour 1 | Blocking Hour 2 | Blocking Hour 3 | Blocking Hour 4 | ——— | Blocking Hour 24 |
|---|---|---|---|---|---|---|---|
| A | 24 | 3% | 0% | 1% | 0% | | 0% |
| B | 144 | 2% | 0% | 1% | 0.5% | | 0.5% |
| C | 528 | 0% | 0.5% | 1% | 1% | | 1% |
| D | 316 | 1% | 0% | 1% | 0.1% | | 0% |
| E | 940 | 1% | 1% | 4% | 0% | | 0% |
| Aggregate | | 0.8% | 0.6% | 2.4% | 0.3% | | 0.3% |

The monthly weighted average blocking for hour 1 is calculated as follows:

$$\frac{(3x24)+(2x144)+(0x528)+(1x316)+(1x940)}{(24+144+528+316+940)} = 0.8\%$$

The purpose of the Trunk Group Performance Report is to provide trunk blocking measurements on CLEC and BST trunk groups for comparison only. It is not the intent of the report that it be used for network management and/or engineering.

**Report Structure:**

CLEC Aggregate
State

**Level of Disaggregation:**

Trunk Group

| Data Retained Relating to CLEC Experience | Data Retained Relating to BST Experience |
|---|---|
| Report Month<br>Total Trunk Groups<br>Number of Trunk Groups by CLEC<br>Hourly average blocking per trunk group | Report Month<br>Total Trunk Groups<br>Aggregate Hourly average blocking |

**Retail Analog/Benchmark:**

| |
|---|
| Any 2 hour period in 24 hours where CLEC blockage exceeds BST blockage by more then 0.5% = a miss using trunk groups 1,3,4,5,10,16 for CLECs and 9 for BST. |

Revision Date: 5/3/2000 (tm)

TRUNK GROUP PERFORMANCE

**Report/Measurement:**

**TGP-2. Trunk Group Performance-CLEC Specific**

**Definition:**

A report of blocking information for CLEC trunk groups.

**Exclusions:**

Trunk Groups for which valid data is not available for an entire study period
Duplicate trunk group information

**Business Rules:**

Aggregate blocking results are created using the statistical analysis package and are output into Excel with a separate table for each geographic area.

For each geographic area, plots are generated for the monthly blocking by hour.

The TCBH blocking is calculated by determining the monthly averaging blocking for each hour for each trunk. The hour with the highest usage is selected as the TCBH and the blocking for that hour is reported.

Trunk Categorization: This report display, over a reporting cycle, aggregate, weighted average blocking data for each hour of a day. Therefore, for each reporting cycle, 24 blocking data points are generated for CLEC trunk groups. In order to assign trunk groups to the CLEC group, all trunk groups are first assigned to a category. A trunk group's end points and the type of traffic that is transmitted on it define a category. Selected categories of trunk groups are assigned to the aggregate groups so that trunk reports can be generated. The categories to which trunk groups have been assigned for this report are as follows:

**CLEC Affecting Categories:**

| | **Point A** | **Point B** |
|---|---|---|
| Category 1: | BellSouth End Office | BellSouth Access Tandem |
| Category 3: | BellSouth End Office | CLEC Switch |
| Category 4: | BellSouth Local Tandem | CLEC Switch |
| Category 5: | BellSouth Access Tandem | CLEC Switch |
| Category 10: | BellSouth End Office | BellSouth Local Tandem |
| Category 16: | BellSouth Tandem | BellSouth Tandem |

**TRUNK GROUP PERFORMANCE – (TGP-2. Trunk Group Performance-CLEC Specific – Continued)**

**Calculation:**

**Monthly Weighted Average Blocking:**

(Blocking data for each hour X number of valid measurement days within each week) / Σ (Total number of valid measurement days within each week)

Example:

| Hour | | Week 1 | Week 2 | Week 3 | Week 4 | Monthly |
|---|---|---|---|---|---|---|
| 1 | Blocking | 1% | 0.5% | 2% | 1.5% | 1.8% |
| | # Days | 7 | 7 | 5 | 6 | |
| 2 | Blocking | 0% | 0% | 0.2% | 0.3% | .1% |
| | # Days | 7 | 5 | 5 | 7 | |
| 3 | Blocking | 1% | 1% | 0.5% | 2% | 1.1% |
| | # Days | 7 | 7 | 7 | 7 | 5 |
| 24 | Blocking | 1% | 0.5% | 2% | 1.5% | 1.2% |
| | # Days | 7 | 7 | 5 | 6 | |

The monthly weighted average blocking for hour 1 for a particular trunk group is calculated as follows:

$$\frac{(1x7)+(0.5x7)+(2x5)+(1.5x6)}{(7+7+5+6)} = 1.8\%$$

**Aggregate Monthly Blocking:**

(Monthly weighted average blocking value for each trunk group) X (number of trunks within each trunk group) / Σ (number of trunks in the aggregate group)

Example:

| Trunk Group | Trunks in Service | Blocking Hour 1 | Blocking Hour 2 | Blocking Hour 3 | Blocking Hour 4 | Blocking Hour 24 |
|---|---|---|---|---|---|---|
| A | 24 | 3% | 0% | 1% | 0% | 0% |
| B | 144 | 2% | 0% | 1% | 0.5% | 0.5% |
| C | 528 | 0% | 0.5% | 1% | 1% | 1% |
| D | 316 | 1% | 0% | 1% | 0.1% | 0% |
| E | 940 | 1% | 1% | 4% | 0% | 0% |
| Aggregate | | 0.8% | 0.6% | 2.4% | 0.3% | 0.3% |

The monthly weighted average blocking for hour 1 is calculated as follows:

$$\frac{(3x24)+(2x144)+(0x528)+(1x316)+(1x940)}{(24+144+528+316+940)} = 0.8\%$$

The purpose of the Trunk Group Performance Report is to provide trunk blocking measurements on CLEC and BST trunk groups for comparison only. It is not the intent of the report that it be used for network management and/or engineering.

**Report Structure:**

CLEC Aggregate
Trunk Group

**Level of Disaggregation:**

Trunk Group

| Data Retained Relating to CLEC Experience | Data Retained Relating to BST Experience |
|---|---|
| Report Month | Report Month |
| Total Trunk Groups | Total Trunk Groups |
| Number of Trunk Groups by CLEC | Aggregate Hourly Average blocking |
| Hourly average blocking per trunk group | |

**Retail Analog/Benchmark:**

| |
|---|
| Any 2 hour period in 24 hours where CLEC blockage exceeds BST blockage by more then 0.5% = a miss using trunk groups 1,3,4,5,10,16 for CLECs and 9 for BST. |

Revision Date: 05/3/00 (tm)

## TRUNK GROUP PERFORMANCE

| **Report/Measurement:** | |
|---|---|
| **TGP-3. Trunk Group Service Report** | |
| **Definition:** | |
| A report of the percent blocking above the Measured Blocking Threshold (MBT) on all final trunk groups between CLEC Points of Termination and BST end offices or tandems. | |
| **Exclusions:** | |
| Trunk groups for which valid traffic data is not available<br>High use trunk groups | |
| **Business Rules:** | |
| Traffic trunking data measurements are validated and processed by the Total Network Data System/Trunking (TNDS/TK); a Telcordia (BellCore) supported application, on an hourly basis for Average Business Days (Monday through Friday). The traffic load sets, including offered load and observed blocking ratio (calls blocked divided by calls attempted), are averaged for a 20 day period, and the busy hour is selected. The busy hour average data for each trunk group is captured for reporting purposes. Although all trunk groups are available for reporting, the report highlights those trunk groups with blocking greater than the Measured Blocking Threshold (MBT) and the number of consecutive monthly reports that the trunk group blocking has exceeded the MBT. The MBT for CTTG is 2% and the MBT for all other trunk groups is 3%. | |
| **Calculation:** | |
| Measured blocking = (Total number of blocked calls) / (Total number of attempted calls) X 100 | |
| **Report Structure:** | |
| BST Aggregate<br>CTTG<br>Local<br>CLEC Aggregate<br>BST Administered CLEC Trunk<br>CLEC Administered CLEC Trunk<br>CLEC Specific<br>BST Administered CLEC Trunk<br>CLEC Administered CLEC Trunk | |
| **Level of Disaggregation:** | |
| State | |
| **Data Retained Relating to CLEC Experience:** | **Data Retained Relating to BST Performance:** |
| Report month<br>Total trunk groups<br>Total trunk groups for which data is available<br>Trunk groups with blocking greater than the MBT<br>Percent of trunk groups with blocking greater than the MBT | Report month<br>Total trunk groups<br>Total trunk groups for which data is available<br>Trunk groups with blocking greater than the MBT<br>Percent of trunk groups with blocking greater than the MBT |
| **Retail Analog/Benchmark:** | |
| CLEC Trunk Blockage/BST Trunk Blockage<br>See Appendix D | |

Revision Date: 02/28/00 (tm)

## TRUNK GROUP PERFORMANCE

| **Report/Measurement:** | |
|---|---|
| TGP-4. Trunk Group Service Detail | |
| **Definition:** | |
| A detailed list of all final trunk groups between CLEC Points of Presence and BST end offices or tandems, and the actual blocking performance when the blocking exceeds the Measured Blocking Threshold (MBT) for the trunk groups. | |
| **Exclusions:** | |
| Trunk groups for which valid traffic data is not available<br>High use trunk groups | |
| **Business Rules:** | |
| Traffic trunking data measurements are validated and processed by the Total Network Data System/Trunking (TNDS/TK); a Telcordia (BellCore) supported application, on an hourly basis for Average Business Days (Monday through Friday). The traffic load sets, including offered load and observed blocking ratio (calls blocked divided by calls attempted), are averaged for a 20 day period, and the busy hour is selected. The busy hour average data for each trunk group is captured for reporting purposes. Although all trunk groups are available for reporting, the report highlights those trunk groups with blocking greater than the Measured Blocking Threshold (MBT) and the number of consecutive monthly reports that the trunk group blocking has exceeded the MBT. The MBT for CTTG is 2% and the MBT for all other trunk groups is 3%. | |
| **Calculation:** | |
| Measured blocking = (Total number of blocked calls) / (Total number of attempted calls) X 100 | |
| **Report Structure:** | |
| BST Specific/CLEC Specific<br>Traffic Identity<br>TGSN<br>Tandem<br>End Office<br>Description<br>Observed Blocking<br>Busy Hour<br>Number Trunks<br>Valid study days<br>Number reports<br>Remarks | |
| **Level of Disaggregation:** | |
| State | |
| **Data Retained Relating to CLEC Experience:** | **Data Retained Relating to BST Performance:** |
| Report month<br>Total trunk groups<br>Total trunk groups for which data is available<br>Trunk groups with blocking greater than the MBT<br>Percent of trunk groups with blocking greater than the MBT<br>Traffic identify, TGSN, end points, description, busy hour, valid study days, number reports | Report month<br>Total trunk groups<br>Total trunk groups for which data is available<br>Trunk groups with blocking greater than the MBT<br>Percent of trunk groups with blocking greater than the MBT<br>Traffic identify, TGSN, end points, description, busy hour, valid study days, number reports |
| **Retail Analog/Benchmark:** | |
| CLEC Trunk Blockage/BST Blockage<br>See Appendix D | |

Revision Date: 03/15/00 (tm)

COLLOCATION

| **Report/Measurement:** |
|---|
| **C-1. Average Response Time** |
| **Definition:** |
| Measures the average time (counted in business days) from the receipt of a complete and accurate collocation application (including receipt of application fees) to the date BellSouth responds in writing. |
| **Exclusions:** |
| Any application cancelled by the CLEC |
| **Business Rules:** |
| The clock starts on the date that BST receives a complete and accurate collocation application accompanied by the appropriate application fee. The clock stops on the date that BST returns a response. The clock will restart upon receipt of changes to the original application request. |
| **Calculation:** |
| Average Response Time = Σ[(Request Response Date) – (Request Submission Date)] / Count of Responses Returned within Reporting Period. |
| **Report Structure:** |
| Individual CLEC (alias) aggregate<br>Aggregate of all CLECs |
| **Level of Disaggregation:** |
| State, Region and further geographic disaggregation as required by State Commission Order<br>(e.g. Metropolitan Service Area – MSA)<br>Virtual<br>Physical<br>Caged/Cageless (under development) |
| **Data Retained** |
| Report period<br>Aggregate data |
| **Retail Analog/Benchmark:** |
| See Appendix D |

Revision Date: 05/10/00 (tg)

COLLOCATION

| **Report/Measurement:** |
|---|
| **C-2. Average Arrangement Time** |
| **Definition:** |
| Measures the average time from the receipt of a complete and accurate Bone Fide firm order (including receipt of appropriate fee) to the date BST completes the collocation arrangement and notifies the CLEC. |
| **Exclusions:** |
| Any Bona Fide firm order cancelled by the CLEC<br>Time for BST to obtain permits<br>Time during which the collocation contract is being negotiated |
| **Business Rules:** |
| The clock starts on the date that BST receives a complete and accurate Bone Fide firm order accompanied by the appropriate fee. The clock stops upon submission of the permit request and restarts upon receipt of the approved permit. Changes (affecting the provisioning interval or capital expenditures) that are submitted while provisioning is in progress may alter the completion date. The clock stops on the date that BST completes the collocation arrangement and notifies the customer. |
| **Calculation:** |
| Average Arrangement Time = Σ[(Date Collocation Arrangement is Complete) – (Date Order for Collocation Arrangement Submitted)] / Total Number of Collocation Arrangements Completed during Reporting Period. |
| **Report Structure:** |
| Individual CLEC (alias) aggregate<br>Aggregate of all CLECs |
| **Level of Disaggregation:** |
| State, Region and further geographic disaggregation as required by State Commission Order<br>(e.g. Metropolitan Service Area – MSA)<br>Virtual<br>Physical<br>Cage/Cageless (under development) |
| **Data Retained** |
| Report period<br>Aggregate data |
| **Retail Analog/Benchmark:** |
| See Appendix D |

Revision Date: 05/10/00 (tg)

COLLOCATION

| **Report/Measurement:** |
|---|
| **C-3. Percent of Due Dates Missed** |
| **Definition:** |
| Measures the percent of missed due dates for collocation arrangements. |
| **Exclusions:** |
| Any Bona Fide firm order cancelled by the CLEC<br>Time for BST to obtain permits<br>Time during which the collocation contract is being negotiated |
| **Business Rules:** |
| Percent Due Dates Missed is the percent of total collocation arrangements which BST is unable to complete by end of the ILEC committed due date. The clock starts on the date that BST receives a complete and accurate Bona Fide firm order accompanied by the appropriate fee. The arrangement is considered a missed due date if it is not completed on or before the committed due date. |
| **Calculation:** |
| % of Due Dates Missed = Σ (Number of Orders not completed w/I ILEC Committed Due Date during Reporting Period) / Number of Orders Completed in Reporting Period) X 100 |
| **Report Structure:** |
| Individual CLEC (alias) aggregate<br>Aggregate of all CLECs |
| **Level of Disaggregation:** |
| State, Region and further geographic disaggregation as required by State Commission Order<br>(e.g. Metropolitan Service Area – MSA)<br>Virtual<br>Physical<br>Cage/Cageless (under development) |
| **Data Retained** |
| Report period<br>Aggregate data |
| **Retail Analog/Benchmark:** |
| See Appendix D<br>< 10% Missed Due Dates |

Revision Date: 05/10/00 (tg)

## Appendix A: Reporting Scope*

| *Standard Service Groupings* | |
|---|---|
| | ***Pre-Order, Ordering***<br>Residence Resale<br>Business Resale<br>Special<br>Local Interconnection Trunks<br>UNE<br>UNE Design<br>UNE - Loops w/LNP |
| | ***Provisioning***<br>Resale and Retail<br>ots – Residence<br>ots – Business<br>esign<br>BX (Louisiana SQM)<br>ENTREX (Louisiana SQM)<br>SDN (Louisiana SQM) (**Note:** ISDN included in POTS for Georgia Only)<br><br>Unbundled Network Elements<br>UNE Design<br>UNE Non-Design<br>UNE 2 Wire Loop (Louisiana SQM)<br>UNE Loop Other (Louisiana SQM)<br>Unbundled Ports (Louisiana SQM)<br>Combos, Switching, Local Transport, DSL (under development) |
| | ***Maintenance and Repair***<br>Resale / Retail<br>Pots – Residence<br>Pots – **Business**<br>Design<br>PBX (Louisiana SQM)<br>CENTREX (Louisiana SQM)<br>ISDN (Louisiana SQM) (**Note:** ISDN Trouble included in Non-Design for Georgia Only)<br><br>UNE Loop Other (Louisiana SQM)<br>Unbundled Ports (Louisiana SQM)<br>UNE Other Non-Design<br>Combos, Switching, Local Transport, DSL (under development) |

# BellSouth
## Service Quality Measurements Plan

### Appendix A: Reporting Scope*

| | |
|---|---|
| *Standard Service Groupings* | ***Maintenance and Repair/Provisioning***<br>Trunks<br>ocal Interconnection Trunks<br><br>Georgraphic Scope<br>State, Region and further geographic disaggregation as required by State Commission Order (e.g., Metropolitan Service Area – MSA)<br><br>**Local Interconnection Trunk Group Blockage**<br><br>ST CTTG Trunk Groups<br>LEC Trunk Groups |
| **Standard Service Order Activities**<br><br>*These are the generic BST/CLEC service order activities which are included in the Pre-Ordering, Ordering, and Provisioning sections of this document. It is not meant to indicate specific reporting categories.* | New Service Installations<br>Service Migrations Without Changes<br>Service Migrations With Changes<br>Move and Change Activities<br>Service Disconnects (Unless noted otherwise) |
| **Pre-Ordering Query Types:** | Address<br>Telephone Number<br>Appointment Scheduling<br>Customer Service Record<br>Feature Availability |
| **Maintenance Query Types:** | TAFI - *Note TAFI Access the system list below:<br>RIS<br>LR<br>MOSupd<br>larch<br>redictor<br>leth<br>MOS<br>NP<br>IW<br>SPCM<br>CS |
| **Report Levels** | CLEC RESH<br>CLEC MSA<br>CLEC State<br>CLEC Region<br>Aggregate CLEC State<br>Aggregate CLEC Region<br>BST MSA<br>BST State<br>BST Region |

* Scope is report, data source and system dependent, and, therefore, will differ with each report

## Appendix B: Glossary of Acronyms and Terms

| | | |
|---|---|---|
| A | **ACD** | Automatic Call Distributor - A service that provides status monitoring of agents in a call center and routes high volume incoming telephone calls to available agents while collecting management information on both callers and attendants. |
| | **AGGREGATE** | Sum total of all items in like category, e.g. CLEC aggregate equals the sum total of all CLECs' data for a given reporting level. |
| | **ALEC** | *Alternative Local Exchange Company = FL CLEC* |
| | **ASR** | Access Service Request - A request for access service terminating delivery of carrier traffic into a Local Exchange Carrier's network. |
| | **ATLAS** | Application for Telephone Number Load Administration System - The BellSouth Operations System used to administer the pool of available telephone numbers and to reserve selected numbers from the pool for use on pending service requests/service orders. |
| | **ATLASTN** | ATLAS software contract for Telephone Number |
| | **AUTO CLARIFICATION** | The number of LSRs that were electronically rejected from LESOG and electronically returned to the CLEC for correction. |
| B | **BILLING** | The process and functions by which billing data is collected and by which account information is processed in order to render accurate and timely billing. |
| | **BOCRIS** | Business Office Customer Record Information System - A front-end presentation manager used by BellSouth organizations to access the CRIS database. |
| | **BRC** | Business Repair Center – The BellSouth Business Systems trouble receipt center which serves large business and CLEC customers. |
| | **BST** | BellSouth Telecommunications, Inc. |
| C | **CKTID** | A unique identifier for elements combined in a service configuration |
| | **CLEC** | Competitive Local Exchange Carrier |
| | **CLP** | *Competitive Local Provider = NC CLEC* |
| | **CMDS** | Centralized Message Distribution System - BellCore administered national system used to transfer specially formatted messages among companies. |
| | **COFFI** | Central Office Feature File Interface - A BellSouth Operations System database which maintains Universal Service Order Code (USOC) information based on current tariffs. |

## Appendix B: Glossary of Acronyms and Terms – Continued

| | | |
|---|---|---|
| C | **COFIUSOC** | COFFI software contract for feature/service information |
| | **CRIS** | Customer Record Information System - The BellSouth proprietary corporate database and billing system for non-access customers and services. |
| | **CRSACCTS** | CRIS software contract for CSR information |
| | **CSR** | Customer Service Record |
| | **CTTG** | Common Transport Trunk Group - Final trunk groups between BST & Independent end offices and the BST access tandems. |
| D | **DESIGN** | Design Service is defined as any Special or Plain Old Telephone Service Order which requires BellSouth Design Engineering Activities |
| | **DISPOSITION & CAUSE** | Types of trouble conditions, e.g. No Trouble Found, Central Office Equipment, Customer Premises Equipment, etc. |
| | **DLETH** | Display Lengthy Trouble History - A history report that gives all activity on a line record for trouble reports in LMOS |
| | **DLR** | Detail Line Record - All the basic information maintained on a line record in LMOS, e.g. name, address, facilities, features etc. |
| | **DOE** | Direct Order Entry System - An internal BellSouth service order entry system used by BellSouth Service Representatives to input business service orders in BellSouth format. |
| | **DSAP** | DOE (Direct Order Entry) Support Application - The BellSouth Operations System which assists a Service Representative or similar carrier agent in negotiating service provisioning commitments for non-designed services and UNEs. |
| | **DSAPDDI** | DSAP software contract for schedule information |
| | **DSL** | *Digital Subscriber Line* |
| E | **E911** | Provides callers access to the applicable emergency services bureau by dialing a 3-digit universal telephone number. |
| | **EDI** | Electronic Data Interchange - The computer-to-computer exchange of inter and/or intra company business documents in a public standard format. |
| F | **FATAL REJECT** | The number of LSRs that were electronically rejected from LEO, which checks to see of the LSR has all the required fields correctly populated |
| | **FLOW-THROUGH** | In the context of this document, LSRs submitted electronically via the CLEC mechanized ordering process that flow through to the BST OSS without manual or human intervention. |
| | **FOC** | Firm Order Confirmation - A notification returned to the CLEC confirming that the LSR has been received and accepted, including the specified commitment date. |

## Appendix B: Glossary of Acronyms and Terms - Continued

| | | |
|---|---|---|
| G | | |
| H | HAL | "Hands Off" Assignment Logic - Front end access and error resolution logic used in interfacing BellSouth Operations Systems such as ATLAS, BOCRIS, LMOS, PSIMS, RSAG and SOCS. |
| | HALCRIS | HAL software contract for CSR information |
| I | ISDN | Integrated Services Digital Network |
| | IPC | Interconnection Purchasing Center |
| K | | |
| L | LCSC | Local Carrier Service Center - The BellSouth center which is dedicated to handling CLEC LSRs, ASRs, and Preordering transactions along with associated expedite requests and escalations. |
| | LEGACY SYSTEM | Term used to refer to BellSouth Operations Support Systems (see OSS) |
| | LENS | Local Exchange Negotiation System - The BellSouth LAN/web server/OS application developed to provide both preordering and ordering electronic interface functions for CLECs. |
| | LEO | Local Exchange Ordering - A BellSouth system which accepts the output of EDI, applies edit and formatting checks, and reformats the Local Service Requests in BellSouth Service Order format. |
| | LESOG | Local Exchange Service Order Generator - A BellSouth system which accepts the service order output of LEO and enters the Service Order into the Service Order Control System using terminal emulation technology. |
| | LMOS | Loop Maintenance Operations System - A BellSouth Operations System that stores the assignment and selected account information for use by downstream OSS and BellSouth personnel during provisioning and maintenance activities. |
| | LMOS HOST | LMOS host computer |
| | LMOSupd | LMOS updates |
| | LNP | Local Number Portability - In the context of this document, the capability for a subscriber to retain his current telephone number as he transfers to a different local service provider. |
| | LOOPS | Transmission paths from the central office to the customer premises. |
| | LSR | Local Service Request – A request for local resale service or unbundled network elements from a CLEC. |
| M | MAINTENANCE & REPAIR | The process and function by which trouble reports are passed to BellSouth and by which the related service problems are resolved. |
| | MARCH | A BellSouth Operations System which accepts service orders, interprets the coding contained in the service order image, and constructs the specific switching system Recent Change command messages for input into end office switches. |

## Appendix B: Glossary of Acronyms and Terms – Continued

| N | NC | "No Circuits" - All circuits busy announcement |
|---|---|---|
| O | **OASIS** | Obtain Availability Services Information System - A BellSouth front-end processor, which acts as an interface between COFFI and RNS. This system takes the USOCs in COFFI and translates them to English for display in RNS. |
| | **OASISBSN** | OASIS software contract for feature/service |
| | **OASISCAR** | OASIS software contract for feature/service |
| | **OASISLPC** | OASIS software contract for feature/service |
| | **OASISMTN** | OASIS software contract for feature/service |
| | **OASISNET** | OASIS software contract for feature/service |
| | **OASISOCP** | OASIS software contract for feature/service |
| | **ORDERING** | The process and functions by which resale services or unbundled network elements are ordered from BellSouth as well as the process by which an LSR or ASR is placed with BellSouth. |
| | **OSPCM** | Outside Plant Contract Management System - Provides Scheduling Information. |
| | **OSS** | Operations Support System - A support system or database which is used to mechanize the flow or performance of work. The term is used to refer to the overall system consisting of hardware complex, computer operating system(s), and application which is used to provide the support functions. |
| | **OUT OF SERVICE** | Customer has no dial tone and cannot call out. |
| P | **POTS** | Plain Old Telephone Service |
| | **PREDICTOR** | The BellSouth Operations system which is used to administer proactive maintenance and rehabilitation activities on outside plant facilities, provide access to selected work groups (e.g. RRC & BRC) to Mechanized Loop Testing and switching system I/O ports, and provide certain information regarding the attributes and capabilities of outside plant facilities. |
| | **PREORDERING** | The process and functions by which vital information is obtained, verified, or validated prior to placing a service request. |
| | **PROVISIONING** | The process and functions by which necessary work is performed to activate a service requested via an LSR or ASR and to initiate the proper billing and accounting functions. |
| | **PSIMS** | Product/Service Inventory Management System - A BellSouth database Operations System which contains availability information on switching system features and capabilities and on BellSouth service availability. This database is used to verify the availability of a feature or service in an NXX prior to making a commitment to the customer. |
| | **PSIMSORB** | PSIMS software contract for feature/service |

**Appendix B: Glossary of Acronyms and Terms – Continued**

| | | |
|---|---|---|
| **Q** | | |
| **R** | **RNS** | Regional Negotiation System - An internal BellSouth service order entry system used by BellSouth Consumer Services to input service orders in BellSouth format. |
| | **RRC** | Residence Repair Center - The BellSouth Consumer Services trouble receipt center which serves residential customers. |
| | **RSAG** | Regional Street Address Guide - The BellSouth database, which contains street addresses validated to be accurate with state and local governments. |
| | **RSAGADDR** | RSAG software contract for address search |
| | **RSAGTN** | RSAG software contract for telephone number search |
| **S** | **SOCS** | Service Order Control System - The BellSouth Operations System which routes service order images among BellSouth drop points and BellSouth Operations Systems during the service provisioning process. |
| | **SOIR** | Service Order Interface Record - any change effecting activity to a customer account by service order that impacts 911/E911. |
| **T** | **TAFI** | Trouble Analysis Facilitation Interface - The BellSouth Operations System that supports trouble receipt center personnel in taking and handling customer trouble reports. |
| | **TAG** | Telecommunications Access Gateway – TAG was designed to provide an electronic interface, or machine-to-machine interface for the bi-directional flow of information between BellSouth's OSSs and participating CLECs. |
| | **TN** | Telephone Number |
| | **TOTAL MANUAL FALLOUT** | The number of LSRs which are entered electronically but require manual entering into a service order generator. |
| **U** | **UNE** | Unbundled Network Element |
| **V** | **VSEEM** | Voluntary Self Effectuating Enforcement Mechanism |
| **W** | **WTN** | A unique identifier for elements combined in a service configuration |
| **X** | | |
| **Y** | | |
| **Z** | | |
| **Σ** | | Sum of: |

## Appendix C

**BELLSOUTH'S AUDIT POLICY:**

BellSouth currently provides many CLECs with certain audit rights as a part of their individual interconnection agreements. However, it is not reasonable for BellSouth to undergo an audit of the SQM for every CLEC with which it has a contract. BellSouth has developed a proposed Audit Plan for use by the parties to an audit. If requested by a Public Service Commission or by a CLEC exercising contractual audit rights, BellSouth will agree to undergo a comprehensive audit of the aggregate level reports for both BellSouth and the CLEC(s) for each of the next five (5) years (2000 – 2005), to be conducted by an independent third party. The results of that audit will be made available to all the parties subject to proper safeguards to protect proprietary information. This aggregate level audit includes the following specifications:

1. The cost shall be borne 50% by BellSouth and 50% by the CLEC or CLECs.

2. The independent third party auditor shall be selected with input from BellSouth, the PSC, if applicable, and the CLEC(s).

3. BellSouth, the PSC and the CLEC(s) shall jointly determine the scope of the audit.

BellSouth reserves the right to make changes to this audit policy as growth and changes in the industry dictate.

# APPENDIX D
## Analogs and Benchmarks

| BST SQM Category | Measures and Sub-Metrics | RESALE Retail Analogue | UNEs Retail Analogue | Benchmark* |
|---|---|---|---|---|
| ***Pre-Ordering*** | Percent Response Received within "X" seconds | Parity w/ retail where applicable | | |
| | OSS Interface Availability | | | 99.5% |
| | | | | |
| ***Ordering*** | Percent Flow-Through Service Request<br>Residence<br>Business<br>UNE | | | <br>90%<br>80%<br>80% |
| | Percent Rejected Service Request | Diagnostic | | Diagnostic |
| | Reject Interval (Mechanized) | | | 95% within 1 hrs. |
| | Reject Interval (Non-Mechanized and Partially Mechanized) | | | 85% < 48 hrs. |
| | Firm Order Confirmation Timeliness (Mechanized)<br>(Non-Mechanized & Partially Mechanized) | | | 95% within 4 hrs<br>85% < 48 hrs. |
| | Speed of Answer in Ordering Center | X | X | |
| | | | | |
| ***Provisioning*** | **Mean Held Order Interval** | | | |
| | Resale Residence | X | | |
| | Resale Business | X | | |
| | Resale Design | X | | |
| | Resale PBX | X | | |
| | Resale Centrex | X | | |
| | Resale ISDN | X | | |
| | UNE Design | | Retail Design | |
| | UNE Non Design | | Retail Residence and Business | |
| | UNE Loop and Port Combos | | Retail Residence and Business | |
| | UNE 2w Loop with NP – Non-Design | | Retail Residence and Business | |
| | UNE 2w Loop without NP – Non-Design | | Retail Residence and Business | |
| | UNE Loop Other with NP Non-Design | | Retail Residence and Business | |
| | UNE Loop Other without NP Non-Design | | Retail Residence and Business | |

# APPENDIX D
## Analogs and Benchmarks

| BST SQM Category | Measures and Sub-Metrics | RESALE Retail Analogue | UNEs Retail Analogue | Benchmark* |
|---|---|---|---|---|
| ***Provisioning*** | UNE Other Non-Design | | Retail Residence and Business | |
| | UNE 2w Loop with NP - Design | | Retail Residence and Business | |
| | UNE 2w Loop without NP - Design | | Retail Residence and Business | |
| | UNE Loop Other with NP – Design | | Retail Design | |
| | UNE Loop Other without NP – Design | | Retail Design | |
| | UNE Other Design | | Retail Design | |
| | Local Interconnection Trunks | X | | |
| | **Average Jeopardy Notice Interval (Mechanized)** | | | |
| | Resale Residence | | | 95% > = 24 hrs |
| | Resale Business | | | 95% > = 24 hrs. |
| | Resale Design | | | 95% > = 24 hrs |
| | Resale PBX | | | 95% > = 24 hrs |
| | Resale Centrex | | | 95% > = 24 hrs. |
| | Resale ISDN | | | 95% > = 24 hrs. |
| | UNE Design | | | 95% > = 24 hrs |
| | UNE Non-Design | | | 95% > = 24 hrs |
| | UNE Loop and Port Combos | | | 95% > = 24 hrs. |
| | UNE 2w Loop with NP – Non-Design | | | 95% > = 24 hrs. |
| | UNE 2w Loop without NP – Non-Design | | | 95% > = 24 hrs. |
| | UNE Loop Other with NP Non-Design | | | 95% > = 24 hrs |
| | UNE Loop Other without NP Non-Design | | | 95% > = 24 hrs. |
| | UNE Other Non-Design | | | 95% > = 24 hrs |
| | UNE 2w Loop with NP – Design | | | 95% > = 24 hrs. |
| | UNE 2w Loop without NP – Design | | | 95% > = 24 hrs |
| | UNE Loop Other with NP – Design | | | 95% > = 24 hrs |
| | UNE Loop Other without NP – Design | | | 95% > = 24 hrs |
| | UNE Other Design | | | 95% > = 24 hrs. |

| | | | | |
|---|---|---|---|---|
| | Local Interconnection Trunks | | | 95% > = 24 hrs |

# APPENDIX D
## Analogs and Benchmarks

| BST SQM Category | Measures and Sub-Metrics | RESALE Retail Analogue | UNEs Retail Analogue | Benchmark* |
|---|---|---|---|---|
| ***Provisioning*** | **% of Orders given jeopardy notice (Mechanized)** | | | |
| | Resale Residence | X | | |
| | Resale Business | X | | |
| | Resale Design | X | | |
| | Resale PBX | X | | |
| | Resale Centrex | X | | |
| | Resale ISDN | X | | |
| | UNE Loop and Port Combos | | Retail Residence and Business | |
| | UNE Design | | Retail Design | |
| | UNE Non-Design | | Retail Residence and Business | |
| | UNE 2w Loop with NP – Non-Design | | Retail Residence and Business | |
| | UNE 2w Loop without NP – Non-Design | | Retail Residence and Business | |
| | UNE Loop Other with NP Non-Design | | Retail Residence and Business | |
| | UNE Loop Other without NP Non-Design | | Retail Residence and Business | |
| | UNE Other Non-Design | | Retail Residence and Business | |
| | UNE 2w Loop with NP - Design | | Retail Residence and Business | |
| | UNE 2w Loop without NP - Design | | Retail Residence and Business | |
| | UNE Loop Other with NP - Design | | Retail Design | |
| | UNE Loop Other without NP - Design | | Retail Design | |
| | UNE Other Design | | Retail Design | |
| | Interconnection Trunks | X | | |
| | **Percent Missed Installation Appointments** | | | |
| | Resale Residence | X | | |
| | Resale Business | X | | |
| | Resale Design | X | | |
| | Resale PBX | X | | |
| | Resale Centrex | X | | |
| | Resale ISDN | X | | |
| | UNE Loop and Port Combos | | Retail Residence and Business | |

# APPENDIX D
## Analogs and Benchmarks

| BST SQM Category | Measures and Sub-Metrics | RESALE Retail Analogue | UNEs Retail Analogue | Benchmark* |
|---|---|---|---|---|
| ***Provisioning*** | UNE Design | | Retail Design | |
| | UNE Non-Design | | Retail Residence and Business | |
| | UNE 2w Loop with NP – Non-Design | | Retail Residence and Business | |
| | UNE 2w Loop without NP – Non-Design | | Retail Residence and Business | |
| | UNE Loop Other with NP Non-Design | | Retail Residence and Business | |
| | UNE Loop Other without NP Non-Design | | Retail Residence and Business | |
| | UNE Other Non-Design | | Retail Residence and Business | |
| | UNE 2w Loop with NP – Design | | Retail Residence and Business | |
| | UNE 2w Loop without NP - Design | | Retail Residence and Business | |
| | UNE Loop Other with NP Non-Design | | Retail Design | |
| | UNE Loop Other without NP Non-Design | | Retail Design | |
| | UNE Other Design | | Retail Design | |
| | Local Interconnection Trunks | X | | |
| | **Order Completion Interval** | | | |
| | Resale Residence | X | | |
| | Resale Business | X | | |
| | Resale Design | X | | |
| | Resale PBX | X | | |
| | Resale Centrex | X | | |
| | Resale ISDN | X | | |
| | UNE Loop and Port Combos | | Retail Residence and Business | |
| | UNE Design | | Retail Design | |
| | UNE Non-Design | | Retail Residence and Business | |
| | UNE 2w Loop with NP – Non-Design | | Retail Residence and Business | |
| | UNE 2w Loop without NP – Non-Design | | Retail Residence and Business | |
| | UNE Loop Other with NP Non-Design | | Retail Residence and Business | |
| | UNE Loop Other without NP Non-Design | | Retail Residence and Business | |
| | UNE Other Non-Design | | Retail Residence and Business | |

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## Analogs and Benchmarks

| BST SQM Category | Measures and Sub-Metrics | RESALE Retail Analogue | UNEs Retail Analogue | Benchmark* |
|---|---|---|---|---|
| ***Provisioning*** | UNE 2w Loop with NP - Design | | Retail Residence and Business | |
| | UNE 2w Loop without NP - Design | | Retail Residence and Business | |
| | UNE Loop Other with NP - Design | | Retail Design | |
| | UNE Loop Other without NP - Design | | Retail Design | |
| | UNE Other Design | | Retail Design | |
| | Local Interconnection Trunks | X | | |
| | **Average Completion Notice Interval – Resale POTS (Mech)** | | | |
| | Resale Residence | X | | |
| | Resale Business | X | | |
| | Resale Design | X | | |
| | Resale PBX | X | | |
| | Resale Centrex | X | | |
| | Resale ISDN | X | | |
| | UNE Loop and Port Combos | | Retail Residence and Business | |
| | UNE Design | | Retail Design | |
| | UNE Non-Design | | Retail Residence and Business | |
| | UNE 2w Loop with NP – Non-Design | | Retail Residence and Business | |
| | UNE 2w Loop without NP – Non-Design | | Retail Residence and Business | |
| | UNE Loop Other with NP Non-Design | | Retail Residence and Business | |
| | UNE Loop Other without NP Non-Design | | Retail Residence and Business | |
| | UNE Other Non-Design | | Retail Residence and Business | |
| | UNE 2w Loop with NP - Design | | Retail Residence and Business | |
| | UNE 2w Loop without NP - Design | | Retail Residence and Business | |
| | UNE Loop Other with NP - Design | | Retail Design | |
| | UNE Loop Other without NP - Design | | Retail Design | |
| | UNE Other Design | | Retail Design | |
| | Local Interconnection Trunks | X | | |

# APPENDIX D
## Analogs and Benchmarks

| BST SQM Category | Measures and Sub-Metrics | RESALE Retail Analogue | UNEs Retail Analogue | Benchmark* |
|---|---|---|---|---|
| ***Provisioning*** | **Percent Provisioning Troubles within 30 Days** | | | |
| | Resale Residence | X | | |
| | Resale Business | X | | |
| | Resale Design | X | | |
| | Resale PBX | X | | |
| | Resale Centrex | X | | |
| | Resale ISDN | X | | |
| | UNE Loop and Port Combos | | Retail Residence and Business | |
| | UNE Design | | Retail Design | |
| | UNE Non-Design | | Retail Residence and Business | |
| | UNE 2w Loop with NP – Non-Design | | Retail Residence and Business | |
| | UNE 2w Loop without NP – Non-Design | | Retail Residence and Business | |
| | UNE Loop Other with NP Non-Design | | Retail Residence and Business | |
| | UNE Loop Other without NP Non-Design | | Retail Residence and Business | |
| | UNE Other Non-Design | | Retail Residence and Business | |
| | UNE 2w Loop with NP - Design | | Retail Residence and Business | |
| | UNE 2w Loop without NP - Design | | Retail Residence and Business | |
| | UNE Loop Other with NP - Design | | Retail Design | |
| | UNE Loop Other without NP - Design | | Retail Design | |
| | UNE Other Design | | Retail Design | |
| | Local Interconnection Trunks | X | | |
| | **Total Service Order Cycle Time** | Diagnostic | Diagnostic | Diagnostic |
| | | | | |
| ***Maintenance*** | Resale Residence | X | | |
| | Resale Business | X | | |
| | Resale Design | X | | |
| | Resale PBX | X | | |
| | Resale Centrex | X | | |
| | Resale ISDN | X | | |

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## Analogs and Benchmarks

| BST SQM Category | Measures and Sub-Metrics | RESALE Retail Analogue | UNEs Retail Analogue | Benchmark* |
|---|---|---|---|---|
| ***Maintenance*** | UNE Design | | Retail Design | |
| | UNE Non-Design | | Retail Residence and Business | |
| | UNE Loop and Port Combos | | Retail Residence and Business | |
| | UNE 2w Loop with NP – Non-Design | | Retail Residence and Business | |
| | UNE 2w Loop without NP – Non-Design | | Retail Residence and Business | |
| | UNE Loop Other with NP Non-Design | | Retail Residence and Business | |
| | UNE Loop Other without NP Non-Design | | Retail Residence and Business | |
| | UNE Other Non-Design | | Retail Residence and Business | |
| | UNE 2w Loop with NP - Design | | Retail Residence and Business | |
| | UNE 2w Loop without NP - Design | | Retail Residence and Business | |
| | UNE Loop Other with NP - Design | | Retail Design | |
| | UNE Loop Other without NP - Design | | Retail Design | |
| | UNE Other Design | | Retail Design | |
| | Local Interconnection Trunks | X | | |
| | **Total Service Order Cycle Time** | Diagnostic | Diagnostic | Diagnostic |
| | Resale Residence | X | | |
| | Resale Business | X | | |
| | Resale Design | X | | |
| | Resale PBX | X | | |
| | Resale Centrex | X | | |
| | Resale ISDN | X | | |
| | UNE Design | | Retail Design | |
| | UNE Non-Design | | Retail Residence and Business | |
| | UNE Loop and Port Combos | | Retail Residence and Business | |
| | UNE 2w Loop – Non-Design | | Retail Residence and Business | |
| | UNE Loop Other - Non-Design | | Retail Residence and Business | |
| | UNE Other Non-Design | | Retail Residence and Business | |

| | | | | |
|---|---|---|---|---|
| | UNE 2w Loop - Design | | Retail Residence and Business | |

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## Analogs and Benchmarks

| BST SQM Category | Measures and Sub-Metrics | RESALE Retail Analogue | UNEs Retail Analogue | Benchmark* |
|---|---|---|---|---|
| | UNE Loop Other - Design | | Retail Design | |
| | UNE Other Design | | Retail Design | |
| | Local Interconnection Trunks | X | | |
| ***Maintenance*** | **Percent Missed Repair Appointments** | | | |
| | Resale Residence | X | | |
| | Resale Business | X | | |
| | Resale Design | X | | |
| | Resale PBX | X | | |
| | Resale Centrex | X | | |
| | Resale ISDN | X | | |
| | UNE Design | | Retail Design | |
| | UNE Non-Design | | Retail Residence and Business | |
| | UNE Loop and Port Combos | | Retail Residence and Business | |
| | UNE 2w Loop – Non-Design | | Retail Residence and Business | |
| | UNE Loop Other - Non-Design | | Retail Residence and Business | |
| | UNE Other Non-Design | | Retail Residence and Business | |
| | UNE 2w Loop - Design | | Retail Residence and Business | |
| | UNE Loop Other - Design | | Retail Design | |
| | UNE Other Design | | Retail Design | |
| | Local Interconnection Trunks | X | | |
| | **Maintenance Average Duration** | | | |
| | Resale Residence | X | | |
| | Resale Business | X | | |
| | Resale Design | X | | |
| | Resale PBX | X | | |
| | Resale Centrex | X | | |
| | Resale ISDN | X | | |
| | UNE Design | | Retail Design | |

# APPENDIX D
## Analogs and Benchmarks

| BST SQM Category | Measures and Sub-Metrics | RESALE Retail Analogue | UNEs Retail Analogue | Benchmark* |
|---|---|---|---|---|
| | UNE Non-Design | | Retail Residence and Business | |
| | UNE Loop and Port Combos | | Retail Residence and Business | |
| | UNE 2w Loop – Non-Design | | Retail Residence and Business | |
| | UNE Loop Other - Non-Design | | Retail Residence and Business | |
| | UNE Other Non-Design | | Retail Residence and Business | |
| | UNE 2w Loop - Design | | Retail Residence and Business | |
| | UNE Loop Other - Design | | Retail Design | |
| | UNE Other Design | | Retail Design | |
| | Local Interconnection Trunks | X | | |
| | **Percent Repeat Troubles within 30 Days** | | | |
| | Resale Residence | X | | |
| | Resale Business | X | | |
| | Resale Design | X | | |
| | Resale PBX | X | | |
| | Resale Centrex | X | | |
| | Resale ISDN | X | | |
| | UNE Design | | Retail Design | |
| | UNE Non-Design | | Retail Residence and Business | |
| | UNE Loop and Port Combos | | Retail Residence and Business | |
| | UNE 2w Loop - Non-Design | | Retail Residence and Business | |
| | UNE Loop Other - Non-Design | | Retail Residence and Business | |
| | UNE Other Non-Design | | Retail Residence and Business | |
| | UNE 2w Loop - Design | | Retail Residence and Business | |
| | UNE Loop Other - Design | | Retail Design | |
| | UNE Other Design | | Retail Design | |
| | Local Interconnection Trunks | X | | |
| | **Out of Service > 24 hours** | | | |
| | Resale Residence | X | | |

# APPENDIX D
## Analogs and Benchmarks

| BST SQM Category | Measures and Sub-Metrics | RESALE Retail Analogue | UNEs Retail Analogue | Benchmark* |
|---|---|---|---|---|
| | Resale Business | X | | |
| | Resale Design | X | | |
| | Resale PBX | X | | |
| | Resale Centrex | X | | |
| | Resale ISDN | X | | |
| | UNE Design | | Retail Design | |
| | UNE Non-Design | | Retail Residence and Business | |
| | UNE Loop and Port Combos | | Retail Residence and Business | |
| | UNE 2w Loop – Non-Design | | Retail Residence and Business | |
| | UNE Loop Other - Non-Design | | Retail Residence and Business | |
| | UNE Other Non-Design | | Retail Residence and Business | |
| | UNE 2w Loop - Design | | Retail Residence and Business | |
| | UNE Loop Other - Design | | Retail Design | |
| | UNE Other Design | | Retail Design | |
| | Local Interconnection Trunks | X | | |
| | **OSS Interface Availability** | | | |
| | All systems except ECTA | X | | |
| | ECTA | | | 99.5% |
| | **OSS Response Interval and %** | | | |
| | TAFI (Front End)<br>CRIS, DLETH, DLR, OSPCM, LMOS, LMOSUP, MARCH, Predictor, SOCS, LNP (Parity by Design) | X<br>PBD | | |
| | **Average Answer Time – Repair Center** | X | | |
| | | | | |
| *Billing* | **Invoice Accuracy** | | | |
| | Mean Time To Deliver Invoices | X | | |
| | Usage Data Delivery Accuracy | X | | |
| | Usage Data Delivery Timeliness | X | | |
| | Usage Data Delivery Completeness | X | | |

# APPENDIX D
## Analogs and Benchmarks

| BST SQM Category | Measures and Sub-Metrics | RESALE Retail Analogue | UNEs Retail Analogue | Benchmark* |
|---|---|---|---|---|
| *Billing* | **Invoice Accuracy - continued** | | | |
| | Mean Time to Deliver Usage | X | | |
| | | | | |
| *Operator Services (Toll)* | **Average Speed to Answer** | PBD | | |
| | **% Answered in "X" Seconds** | PBD | | |
| | | | | |
| ***Directory Assistance*** | **Average Speed to Answer** | PBD | | |
| | | | | |
| ***E911*** | **Timeliness** | PBD | | |
| | **Accuracy** | PBD | | |
| | **Mean Interval** | PBD | | |
| | | | | |
| ***Trunk Group Performance (Blockage)*** | **Trunk Group Service Report (Percent Trunk Blockage)**<br>Any 2 hour period in 24 hours where CLEC blockage exceeds BST blockage by more than 0.5% = a miss using trunk groups 1,3,4,5,10,16 for CLECs and 9 for BST. | X | | |
| | **Trunk Group Service Report (Percent Trunk Blockage)** | X | | |
| | | | | |
| *LNP* | **Average Disconnect Timeliness Interval** | | | 95% ≤ 24 Hrs. |
| | Percent Missed Installation Appointments | | Retail Residence and Business | |
| | FOC Mechanized | | | 95% ≤ 4 Hrs. |
| | % Reject Service Request | | Diagnostic | |
| | Average Reject Interval Mechanized | | | 95% ≤ 1 Hrs. |
| | TSOCT | | Diagnostic | |
| | % Flow Through | | | 80% |

# APPENDIX D
## Analogs and Benchmarks

| BST SQM Category | Measures and Sub-Metrics | RESALE Retail Analogue | UNEs Retail Analogue | Benchmark* |
|---|---|---|---|---|
| | | | | |
| ***Customer Coordinated Conversions*** | **Coordinated Customer Conversions – UNE Loop**<br>Coordinated Customer Conversions – LNP | | | 95% ≤ 15 mins.<br>95% ≤ 15 mins. |
| | | | | |
| ***Collocation+*** | % of Due Dates Missed | | | < 10% Missed Due Dates |
| | Average Response Time | | FL PSC is addressing this in generic docket | 30 Days |
| +A contract with each CLEC required | **Average Arrangement Time**<br>Ordinary<br>Extraordinary | | FL PSC is addressing this in generic docket | 90 Days<br>130 Days |
| | | | | |

Note 1: PBD = Parity by Design. UD = Under Development – Benchmarks will be replaced when Analogs are complete.

Note 2: The retail analog for UNE Non-Design and UNE 2w Loops – Design is the average of Retail Residence Dispatch and Retail Business Dispatch transactions for the particular month. The retail analog for other UNE Design is Retail Design Dispatch.

Note 3: Analogs and Benchmarks will be re-evaluated periodically, at least once a year, to validate applicability.

# EXHBIT B

## VSEEMIII TIER-1 SUBMETRICS

- FOC Timeliness (Mechanized only)
- Reject Interval (Mechanized only)
- Order Completion Interval (Dispatch only) – Resale POTS
- Order Completion Interval (Dispatch only) – Resale Design
- Order Completion Interval (No Dispatch only) – UNE Loop and Port Combos
- Order Completion Interval ('w' code orders, Dispatch only) – UNE Loops
- Order Completion Interval (Dispatch only) – IC Trunks
- Percent Missed Installation Appointments – Resale POTS
- Percent Missed Installation Appointments – Resale Design
- Percent Missed Installation Appointments – UNE Loop and Port Combos
- Percent Missed Installation Appointments – UNE Loops
- Percent Provisioning Troubles within 4 Days - Resale POTS
- Percent Provisioning Troubles within 4 Days - Resale Design
- Percent Provisioning Troubles within 4 Days - UNE Loop and Port Combos
- Percent Provisioning Troubles within 4 Days - UNE Loops
- Customer Trouble Report Rate – Resale POTS
- Customer Trouble Report Rate – Resale Design
- Customer Trouble Report Rate - UNE Loop and Port Combos
- Customer Trouble Report Rate - UNE Loops
- Percent Missed Repair Appointments – Resale POTS
- Percent Missed Repair Appointments - Resale Design
- Percent Missed Repair Appointments - UNE Loop and Port Combos
- Percent Missed Repair Appointments - UNE Loops
- Maintenance Average Duration – Resale POTS
- Maintenance Average Duration – Resale Design
- Maintenance Average Duration - UNE Loop and Port Combos
- Maintenance Average Duration - UNE Loops
- Maintenance Average Duration – IC Trunks
- Percent Repeat Troubles within 30 Days – Resale POTS
- Percent Repeat Troubles within 30 Days – Resale Design
- Percent Repeat Troubles within 30 Days - UNE Loop and Port Combos
- Percent Repeat Troubles within 30 Days - UNE Loops
- Percent Trunk Blockage
- LNP Disconnect Timeliness
- LNP Percent Missed Installation Appointment
- Coordinated Customer Conversions for UNE Loops
- Coordinated Customer Conversions for LNP
- Percent Missed Collocation Due Dates

## VSEEMIII TIER-2 SUBMETRICS

- Percent Response Received within "X" seconds – Pre-Order OSS
- OSS Interface Availability
- Order Process Percent Flow-Through (Mechanized only)
- Order Completion Interval (Dispatch only) – Resale POTS
- Order Completion Interval (Dispatch only) – Resale Design
- Order Completion Interval (No Dispatch only) – UNE Loop and Port Combos
- Order Completion Interval ('w' code orders, Dispatch only) – UNE Loops
- Order Completion Interval (Dispatch only) – IC Trunks
- Percent Missed Installation Appointments – Resale POTS
- Percent Missed Installation Appointments – Resale Design
- Percent Missed Installation Appointments – UNE Loop and Port Combos
- Percent Missed Installation Appointments – UNE Loops
- Percent Provisioning Troubles within 4 Days - Resale POTS
- Percent Provisioning Troubles within 4 Days - Resale Design
- Percent Provisioning Troubles within 4 Days - UNE Loop and Port Combos
- Percent Provisioning Troubles within 4 Days - UNE Loops
- Customer Trouble Report Rate – Resale POTS
- Customer Trouble Report Rate – Resale Design
- Customer Trouble Report Rate - UNE Loop and Port Combos
- Customer Trouble Report Rate - UNE Loops
- Percent Missed Repair Appointments – Resale POTS
- Percent Missed Repair Appointments - Resale Design
- Percent Missed Repair Appointments - UNE Loop and Port Combos
- Percent Missed Repair Appointments - UNE Loops
- Maintenance Average Duration – Resale POTS
- Maintenance Average Duration – Resale Design
- Maintenance Average Duration - UNE Loop and Port Combos
- Maintenance Average Duration - UNE Loops
- Maintenance Average Duration – IC Trunks
- Percent Repeat Troubles within 30 Days – Resale POTS
- Percent Repeat Troubles within 30 Days – Resale Design
- Percent Repeat Troubles within 30 Days - UNE Loop and Port Combos
- Percent Repeat Troubles within 30 Days - UNE Loops
- Billing Timeliness
- Billing Accuracy
- Usage Data Delivery Timeliness
- Usage Data Delivery Accuracy
- Percent Trunk Blockage
- LNP Disconnect Timeliness
- LNP Percent Missed Installation Appointment
- Coordinated Customer Conversions for UNE Loops
- Coordinated Customer Conversions for LNP
- Percent Missed Collocation Due Dates

## VSEEMIII TIER-3 SUBMETRICS

- Percent Missed Installation Appointments – Resale POTS
- Percent Missed Installation Appointments – Resale Design
- Percent Missed Installation Appointments – UNE Loop and Port Combos
- Percent Missed Installation Appointments – UNE Loops
- Percent Missed Repair Appointments – Resale POTS
- Percent Missed Repair Appointments - Resale Design
- Percent Missed Repair Appointments - UNE Loop and Port Combos
- Percent Missed Repair Appointments - UNE Loops
- Billing Timeliness
- Billing Accuracy
- Percent Trunk Blockage
- Percent Missed Collocation Due Dates

| VSEEM III | MEASURES AND SUB-METRICS | RETAIL ANALOGUE<br>Resale (x) and UNEs | BENCH MARK |
|---|---|---|---|
| Pre-Ordering | Percent Response Received within "X" seconds | Retail Analogue + 4 sec | |
| | OSS Interface Availability | x | |
| Ordering | Percent Flow-Through Service Request (Fully Mechanized only) | | 90% |
| | Firm Order Confirmation Timeliness (Mechanized only) | | 95% ≤ 4 hrs |
| | Reject Interval (Mechanized only) | | 95% ≤ 1 hrs |
| Provisioning | Order Completion Interval (Dispatch only) – Resale POTS | x | |
| | Order Completion Interval (Dispatch only) – Resale Design | x | |
| | Order Completion Interval (No Dispatch only) – UNE Loop & Port Combos | Retail Residence and Business | |
| | Order Completion Interval (Dispatch only) – UNE Loops | Design: Retail Design Dispatch 'w' Orders<br>Non-Design: Retail Res, Bus Dispatch 'w' Orders | |
| | Order Completion Interval (Dispatch only) – IC Trunks | x | |
| | Percent Missed Installation Appointments – Resale POTS | x | |
| | Percent Missed Installation Appointments – Resale Design | x | |
| | Percent Missed Installation Appointments – UNE Loop and Port Combos | Retail Residence and Business | |
| | Percent Missed Installation Appointments – UNE Loops | Design: Retail Design [1]<br>Non-Design: Retail Res, Bus [1] | |
| | Percent Provisioning Troubles within 4 Days - Resale POTS | x | |
| | Percent Provisioning Troubles within 4 Days - Resale Design | x | |
| | Percent Provisioning Troubles within 4 Days - UNE Loop and Port Combos | Retail Residence and Business | |
| | Percent Provisioning Troubles within 4 Days - UNE Loops | Design: Retail Design [1]<br>Non-Design: Retail Res, Bus [1] | |
| Maintenance | Customer Trouble Report Rate – Resale POTS | x | |
| | Customer Trouble Report Rate – Resale Design | x | |
| | Customer Trouble Report Rate - UNE Loop and Port Combos | Retail Residence and Business | |
| | Customer Trouble Report Rate - UNE Loops | Design: Retail Design [1]<br>Non-Design: Retail Res, Bus [1] | |
| | Percent Missed Repair Appointments – Resale POTS | x | |
| | Percent Missed Repair Appointments - Resale Design | x | |
| | Percent Missed Repair Appointments - UNE Loop and Port Combos | Retail Residence and Business | |
| | Percent Missed Repair Appointments - UNE Loops | Design: Retail Design [1]<br>Non-Design: Retail Res, Bus [1] | |

NOTES: [1] The retail analog for UNE Non-Design is the average of all retail residence and retail business transactions for the particular month. The retail analog for UNE Design is calculated similarly using retail residence, business and design results.
[2] UD = Under Development

| | | | |
|---|---|---|---|
| Maintenance Continued | Maintenance Average Duration – Resale POTS | x | |
| | Maintenance Average Duration – Resale Design | x | |
| | Maintenance Average Duration - UNE Loop and Port Combos | Retail Residence and Business | |
| | Maintenance Average Duration - UNE Loops | Design: Retail Design [1]<br>Non-Design: Retail Res, Bus [1] | |
| | Maintenance Average Duration – IC Trunks | x | |
| | Percent Repeat Troubles within 30 Days – Resale POTS | x | |
| | Percent Repeat Troubles within 30 Days – Resale Design | x | |
| | Percent Repeat Troubles within 30 Days - UNE Loop and Port Combos | Retail Residence and Business | |
| | Percent Repeat Troubles within 30 Days - UNE Loops | Design: Retail Design [1]<br>Non-Design: Retail Res, Bus [1] | |
| Billing | Invoice Accuracy | x | |
| | Mean Time To Deliver Invoices | x | |
| | Usage Data Delivery Accuracy | x | |
| | Usage Data Delivery Timeliness | x | |
| Trunk Blockage | Trunk Group Service Report (Percent Trunk Blockage) | x | |
| LNP | Average Disconnect Timeliness Interval | | UD [2] |
| | Percent Missed Installation Appointments | | UD [2] |
| CC Conversions | Coordinated Customer Conversions – UNE Loop | | 95% ≤ 15min |
| | Coordinated Customer Conversions – LNP | | 95% ≤ 15 min |
| Collocation | % of Due Dates Missed | | ≤ 10% |

NOTES [1] The retail analog for UNE Non-Design is the average of all retail residence and retail business transactions for the particular month. The retail analog for UNE Design is calculated similarly using retail residence, business and design results.
[2] UD = Under Development

# EXHIBIT C

## Statistical Methods for BellSouth Performance Measure Analysis

### I. Necessary Properties for a Test Methodology

The statistical process for testing if competing local exchange carriers (CLECs) customers are being treat equally with BellSouth (BST) customers involves more than just a mathematical formula. Three key elements need to be considered before an appropriate decision process can be developed. These are

- the type of data,
- the type of comparison, and
- the type of performance measure.

Once these elements are determined a test methodology should be developed that complies with the following properties.

- Like-to-Like Comparisons. When possible, data should be compared at appropriate levels, e.g. wire center, time of month, dispatched, residential, new orders. The testing process should:
  - Identify variables that may affect the performance measure.
  - Record these important confounding covariates.
  - Adjust for the observed covariates in order to remove potential biases and to make the CLEC and the ILEC units as comparable as possible.
- Aggregate Level Test Statistic. Each performance measure of interest should be summarized by one overall test statistic giving the decision maker a rule that determines whether a statistically significant difference exists. The test statistic should have the following properties.
  - The method should provide a single overall index, on a standard scale.
  - If entries in comparison cells are exactly proportional over a covariate, the aggregated index should be very nearly the same as if comparisons on the covariate had not been done.
  - The contribution of each comparison cell should depend on the number of observations in the cell.
  - Cancellation between comparison cells should be limited.
  - The index should be a continuous function of the observations.
- Production Mode Process. The decision system must be developed so that it does not require intermediate manual intervention, i.e. the process must be a "black box."
  - Calculations are well defined for possible eventualities.
  - The decision process is an algorithm that needs no manual intervention.
  - Results should be arrived at in a timely manner.
  - The system must recognize that resources are needed for other performance measure-related processes that also must be run in a timely manner.
  - The system should be auditable, and adjustable over time.
- Balancing. The testing methodology should balance Type I and Type II Error probabilities.
  - P(Type I Error) = P(Type II Error) for well defined null and alternative hypotheses.
  - The formula for a test's balancing critical value should be simple enough to calculate using standard mathematical functions, i.e. one should avoid methods that require computationally intensive techniques.

- Little to no information beyond the null hypothesis, the alternative hypothesis, and the number of observations should be required for calculating the balancing critical value.

In the following sections we describe appropriate testing processes that adhere as much as possible to the testing principles.

Measurement Types

The performance measures that will undergo testing are of three types:

1) means
2) proportions, and
3) rates

While all three have similar characteristics (a proportion is the average of a measure that takes on only the values of 0 or 1), a proportion or rate is derived from count data while a mean is generally an average of interval measurements.

## II. Testing Methodology – The Truncated Z

Many covariates are chosen in order to provide deep comparison levels. In each comparison cell, a Z statistic is calculated. The form of the Z statistic may vary depending on the performance measure, but it should be distributed approximately as a standard normal, with mean zero and variance equal to one. Assuming that the test statistic is derived so that it is negative when the performance for the CLEC is worse than for the ILEC, a positive truncation is done – i.e. if the result is negative it is left alone, if the result is positive it is changed to zero. A weighted average of the truncated statistics is calculated where a cell weight depends on the volume of BST and CLEC orders in the cell. The weighted average is re-centered by the theoretical mean of a truncated distribution, and this is divided by the standard error of the weighted average. The standard error is computed assuming a fixed effects model.

*Proportion Measures*

For performance measures that are calculated as a proportion, in each adjustment cell, the truncated Z and the moments for the truncated Z can be calculated in a direct manner. In adjustment cells where proportions are not close to zero or one, and where the sample sizes are reasonably large, a normal approximation can be used. In this case, the moments for the truncated Z come directly from properties of the standard normal distribution. If the normal approximation is not appropriate, then the Z statistic is calculated from the hypergeometric distribution. In this case, the moments of the truncated Z are calculated exactly using the hypergeometric probabilities.

*Rate Measures*

The truncated Z methodology for rate measures has the same general structure for calculating the Z in each cell as proportion measures. For a rate measure, there are a fixed number of circuits or units for the CLEC, $n_{2j}$ and a fixed number of units for BST, $n_{1j}$. Suppose that the performance measure is a "trouble rate." The modeling assumption is that the occurrence of a trouble is independent between units and the number of troubles in n circuits follows a Poisson distribution with mean $\lambda$ n where $\lambda$ is the probability of a trouble in 1 circuit and n is the number of circuits.

In an adjustment cell, if the number of CLEC troubles is greater than 15 and the number of BST troubles is greater than 15, then the Z test is calculated using the normal approximation to the Poisson. In this case, the moments of the truncated Z come directly from properties of the standard normal distribution. Otherwise, if there are very few troubles, the number of CLEC troubles can be modeled using a binomial distribution with n equal to the total number of troubles ( CLEC plus BST troubles.) In this case, the moments for the truncated Z are calculated explicitly using the binomial distribution.

*Mean Measures*

For mean measures, an adjusted t statistic is calculated for each like-to-like cell which has at least 7 BST and 7 CLEC transactions. A permutation test is used when one or both of the BST and CLEC sample sizes is less than 6. Both the adjusted t statistic and the permutation calculation are described in the technical appendix.

# APPENDIX
# TECHNICAL DESCRIPTION

We start by assuming that any necessary trimming of the data is complete, and that the data are disaggregated so that comparisons are made within appropriate classes or adjustment cells that define "like" observations.

## NOTATION AND EXACT TESTING DISTRIBUTIONS

Below, we have detailed the basic notation for the construction of the truncated z statistic. In what follows the word "cell" should be taken to mean a like-to-like comparison cell that has both one (or more) ILEC observation and one (or more) CLEC observation.

$L$ = the total number of occupied cells

$j$ = $1,\ldots,L$; an index for the cells

$n_{1j}$ = the number of ILEC transactions in cell j

$n_{2j}$ = the number of CLEC transactions in cell j

$n_j$ = the total number transactions in cell j; $n_{1j}+ n_{2j}$

$X_{1jk}$ = individual ILEC transactions in cell j; $k = 1,\ldots, n_{1j}$

$X_{2jk}$ = individual CLEC transactions in cell j; $k = 1,\ldots, n_{2j}$

$Y_{jk}$ = individual transaction (both ILEC and CLEC) in cell j

$$= \begin{cases} X_{1jk} & k = 1,K\ ,n_{1j} \\ X_{2jk} & k = n_{1j}+1,K\ ,n_j \end{cases}$$

$\Phi^{-1}(\cdot)$ = the inverse of the cumulative standard normal distribution function

For Mean Performance Measures the following additional notation is needed.

$\overline{X}_{1j}$ = the ILEC sample mean of cell j

$\overline{X}_{2j}$ = the CLEC sample mean of cell j

$S_{1j}^2$ = the ILEC sample variance in cell j

$S_{2j}^2$ = the CLEC sample variance in cell j

$y_{jk}$ = a random sample of size $n_{2j}$ from the set of $Y_{j1},K\ ,Y_{jn_j}$; $k = 1,\ldots,n_{2j}$

$M_j$ = the total number of distinct pairs of samples of size $n_{1j}$ and $n_{2j}$;

$$= \binom{n_j}{n_{1j}}$$

The exact parity test is the permutation test based on the "modified Z" statistic. For large samples, we can avoid permutation calculations since this statistic will be normal (or Student's t) to a good approximation. For small samples, where we cannot avoid permutation calculations, we have found that the difference between "modified Z" and the textbook "pooled Z" is negligible. We therefore propose to use the permutation test based on pooled Z for small samples. This decision speeds up the permutation computations considerably, because for each permutation we need only compute the sum of the CLEC sample values, and not the pooled statistic itself.

A permutation probability mass function distribution for cell j, based on the "pooled Z" can be written as

$$PM(t) = P(\sum_k y_{jk} = t) = \frac{\textit{the number of samples that sum to } t}{M_j},$$

and the corresponding cumulative permutation distribution is

$$CPM(t) = P(\sum_k y_{jk} \le t) = \frac{\textit{the number of samples with sum } \le t}{M_j}.$$

For Proportion Performance Measures the following notation is defined

$a_{1j}$= the number of ILEC cases possessing an attribute of interest in cell j

$a_{2j}$= the number of CLEC cases possessing an attribute of interest in cell j

$a_j$ = the number of cases possessing an attribute of interest in cell j; $a_{1j}+ a_{2j}$

The exact distribution for a parity test is the hypergeometric distribution. The hypergeometric probability mass function distribution for cell j is

$$HG(h) = P(H = h) = \begin{cases} \dfrac{\binom{n_{1j}}{h}\binom{n_{2j}}{a_j - h}}{\binom{n_j}{a_j}}, & \max(0, a_j - n_{2j}) \le h \le \min(a_j, n_{1j}) \\ 0 & \text{otherwise} \end{cases},$$

and the cumulative hypergeometric distribution is

$$CHG(x) = P(H \le x) = \begin{cases} 0 & x < \max(0, a_j - n_{1j}) \\ \sum_{h=\max(0,a_j-n_{1j})}^{x} HG(h), & \max(0, a_j - n_{1j}) \le x \le \min(a_j, n_{2j}) \\ 1 & x > \min(a_j, n_{2j}) \end{cases}.$$

For Rate Measures, the notation needed is defined as

$b_{1j}$ = the number of ILEC base elements in cell j

$b_{2j}$ = the number of CLEC base elements in cell j

$b_j$ = the total number of base elements in cell j; $b_{1j}+ b_{2j}$

$\hat{p}_{1j}$ = the ILEC sample rate of cell j; $n_{1j}/b_{1j}$

$\hat{p}_{2j}$ = the CLEC sample rate of cell j; $n_{2j}/b_{2j}$

$q_j$ = the relative proportion of CLEC elements for cell j; $b_{2j}/b_j$

The exact distribution for a parity test is the binomial distribution. The binomial probability mass function distribution for cell j is

$$BN(k) = P(B = k) = \begin{cases} \binom{n_j}{k} q_j^k (1-q_j)^{n_j-k}, & 0 \le k \le n_j \\ 0 & \text{otherwise} \end{cases},$$

and the cumulative binomial distribution is

$$CBN(x) = P(B \le x) = \begin{cases} 0 & x < 0 \\ \sum_{k=0}^{x} BN(k), & 0 \le x \le n_j \\ 1 & x > n_j \end{cases}.$$

## CALCULATING THE TRUNCATED Z

The general methodology for calculating an aggregate level test statistic is outlined below.

1. **Calculate cell weights, $W_j$.** A weight based on the number of transactions is used so that a cell which has a larger number of transactions has a larger weight. The actual weight formulae will depend on the type of measure.

*Mean Measure*

$$W_j = \sqrt{\frac{n_{1j} n_{2j}}{n_j}}$$

*Proportion Measure*

$$W_j = \sqrt{\frac{n_{2j} n_{1j}}{n_j} \cdot \frac{a_j}{n_j} \cdot \left(1 - \frac{a_j}{n_j}\right)}$$

*Rate Measure*

$$W_j = \sqrt{\frac{b_{1j} b_{2j}}{b_j} \cdot \frac{n_j}{b_j}}$$

2. **In each cell, calculate a Z value, $Z_j$.** A Z statistic with mean 0 and variance 1 is needed for each cell.

   - If $W_j = 0$, set $Z_j = 0$.
   - Otherwise, the actual Z statistic calculation depends on the type of performance measure.

*Mean Measure*

$$Z_j = \Phi^{-1}(\alpha)$$

where $\alpha$ is determine by the following algorithm.

If $\min(n_{1j}, n_{2j}) > 6$, then determine $\alpha$ as

$$\alpha = P(t_{n_{1j}-1} \le T_j),$$

that is, $\alpha$ is the probability that a t random variable with $n_{1j} - 1$ degrees of freedom, is less than

$$T_j = t_j + \frac{g}{6}\left(\frac{n_{1j} + 2n_{2j}}{\sqrt{n_{1j}\, n_{2j}(n_{1j} + n_{2j})}}\right)\left(t^2 + \frac{n_{2j} - n_{1j}}{2n_{1j} + n_{2j}}\right),$$

where

$$t_j = \frac{\bar{X}_{1j} - \bar{X}_{2j}}{s_{1j}\sqrt{\frac{1}{n_{1j}} + \frac{1}{n_{2j}}}}$$

and the coefficient g is an estimate of the skewness of the parent population, which we assume is the same in all cells. It can be estimated from the ILEC values in the largest cells. This needs to be done only once for each measure. We have found that attempting to estimate this skewness parameter for each cell separately leads to excessive variability in the "adjusted" t. We therefore use a single compromise value in all cells.

Note, that $t_j$ is the "modified Z" statistic. The statistic $T_j$ is a "modified Z" corrected for the skewness of the ILEC data.

If $\min(n_{1j}, n_{2j}) \leq 6$, and

a) $M_j \leq 1{,}000$ (the total number of distinct pairs of samples of size $n_{1j}$ and $n_{2j}$ is 1,000 or less).

- Calculate the sample sum for all possible samples of size $n_{2j}$.
- Rank the sample sums from smallest to largest. Ties are dealt by using average ranks.
- Let $R_0$ be the rank of the observed sample sum with respect all the sample sums.

$$\alpha = 1 - \frac{R_0 - 0.5}{M_j}$$

b) $M_j > 1{,}000$

- Draw a random sample of 1,000 sample sums from the permutation distribution.
- Add the observed sample sum to the list. There is a total of 1001 sample sums. Rank the sample sums from smallest to largest. Ties are dealt by using average ranks.
- Let $R_0$ be the rank of the observed sample sum with respect all the sample sums.

$$\alpha = 1 - \frac{R_0 - 0.5}{1001}.$$

*Proportion Measure*

$$Z_j = \frac{n_j\, a_{1j}' - n_{1j}\, a_j}{\sqrt{\frac{n_{1j}\, n_{2j}\, a_j\,(n_j - a_j)}{n_j - 1}}}.$$

*Rate Measure*

$$Z_j = \frac{n_{1j} - n_j q_j}{\sqrt{n_j q_j (1 - q_j)}}.$$

3. **Obtain a truncated Z value for each cell, $Z_j^*$.** To limit the amount of cancellation that takes place between cell results during aggregation, cells whose results suggest possible favoritism are left alone. Otherwise the cell statistic is set to zero. This means that positive equivalent Z values are set to 0, and negative values are left alone. Mathematically, this is written as

$$Z_j^* = \min(0, Z_j).$$

4. **Calculate the theoretical mean and variance of the truncated statistic under the null hypothesis of parity,** $E(Z_j^* | H_0)$ and $Var(Z_j^* | H_0)$. In order to compensate for the truncation in step 3, an aggregated, weighted sum of the $Z_j^*$ will need to be centered and scaled properly so that the final aggregate statistic follows a standard normal distribution.

   - If $W_j = 0$, then no evidence of favoritism is contained in the cell. The formulae for calculating $E(Z_j^* | H_0)$ and $Var(Z_j^* | H_0)$ cannot be used. Set both equal to 0.

   - If $\min(n_{1j}, n_{2j}) > 6$ for a mean measure, $\min\left\{a_{1j}\left(1 - \frac{a_{1j}}{n_{1j}}\right), a_{2j}\left(1 - \frac{a_{2j}}{n_{2j}}\right)\right\} > 9$ for a proportion measure, or $\min(n_{1j}, n_{2j}) > 15$ and $n_j q_j (1 - q_j) > 9$ for a rate measure then

$$E(Z_j^* | H_0) = -\frac{1}{\sqrt{2\pi}}, \text{ and}$$

$$Var(Z_j^* | H_0) = \frac{1}{2} - \frac{1}{2\pi}.$$

   - Otherwise, determine the total number of values for $Z_j^*$. Let $z_{ji}$ and $\theta_{ji}$, denote the values of $Z_j^*$ and the probabilities of observing each value, respectively.

$$E(Z_j^* | H_0) = \sum_i \theta_{ji} z_{ji}, \text{ and}$$

$$Var(Z_j^* | H_0) = \sum_i \theta_{ji} z_{ji}^2 - \left[E(Z_j^* | H_0)\right]^2.$$

The actual values of the z's and θ's depends on the type of measure, and the sums in the equations are over all possible values of the index i.

*Mean Measure*

$$N_j = \min(M_j, 1{,}000),\ i = 1,K\ , N_j$$

$$z_{ji} = \min\left\{0, 1 - \Phi^{-1}\left(\frac{R_i - 0.5}{N_j}\right)\right\} \quad \text{where } R_i \text{ is the rank of sample sum i}$$

$$\theta_j = \frac{1}{N_j}$$

*Proportion Measure*

$$z_{ji} = \min\left\{0, \frac{n_j\, i - n_{1j}\, a_j}{\sqrt{\frac{n_{1j}\, n_{2j}\, a_j\, (n_j - a_j)}{n_j - 1}}}\right\}, \quad i = \min(a_j, n_{2j}),K\ , \max(0, a_j - n_{1j})$$

$$\theta_{ji} = HG(i)$$

*Rate Measure*

$$z_{ji} = \min\left\{0, \frac{i - n_j\, q_j}{\sqrt{n_j\, q_j (1 - q_j)}}\right\}, \quad i = 0,K\ , n_j$$

$$\theta_{ji} = BN(i)$$

5. **Calculate the aggregate test statistic, $Z^T$.**

$$Z^T = \frac{\sum_j W_j Z_j^* - \sum_j W_j E(Z_j^* \mid H_0)}{\sqrt{\sum_j W_j^2 \operatorname{Var}(Z_j^* \mid H_0)}}$$

**The Balancing Critical Value**

There are four key elements of the statistical testing process:

1. the null hypothesis, $H_0$, that parity exists between ILEC and CLEC services
2. the alternative hypothesis, $H_a$, that the ILEC is giving better service to its own customers
3. the Truncated Z test statistic, $Z^T$, and
4. a critical value, *c*

The decision rule[1] is

- If $Z^T < c$ then accept $H_a$.
- If $Z^T \geq c$ then accept $H_0$.

There are two types of error possible when using such a decision rule:

[1] This decision rule assumes that a negative test statistic indicates poor service for the CLEC customer. If the opposite is true, then reverse the decision rule.

**Type I Error:** Deciding favoritism exists when there is, in fact, no favoritism.
**Type II Error:** Deciding parity exists when there is, in fact, favoritism.

The probabilities of each type of each are:

**Type I Error:** $\alpha = P(Z^T < c \mid H_0)$.

**Type II Error:** $\beta = P(Z^T \geq c \mid H_a)$.

We want a balancing critical value, $c_B$, so that $\alpha = \beta$.

It can be shown that.

$$c_B = \frac{\sum_j W_j M(m_j, se_j) - \sum_j W_j \frac{-1}{\sqrt{2\pi}}}{\sqrt{\sum_j W_j^2 V(m_j, se_j)} + \sqrt{\sum_j W_j^2 \left(\frac{1}{2} - \frac{1}{2\pi}\right)}}.$$

where

$$M(\mu, \sigma) = \mu \Phi(\tfrac{-\mu}{\sigma}) - \sigma \phi(\tfrac{-\mu}{\sigma})$$

$$V(\mu, \sigma) = (\mu^2 + \sigma^2)\Phi(\tfrac{-\mu}{\sigma}) - \mu\sigma\phi(\tfrac{-\mu}{\sigma}) - M(\mu, \sigma)^2$$

$\Phi(\cdot)$ is the cumulative standard normal distribution function, and $\phi(\cdot)$ is the standard normal density function.

This formula assumes that $Z_j$ is approximately normally distributed within cell j. When the cell sample sizes, $n_{1j}$ and $n_{2j}$, are small this may not be true. It is possible to determine the cell mean and variance under the null hypothesis when the cell sample sizes are small. It is much more difficult to determine these values under the alternative hypothesis. Since the cell weight, $W_j$ will also be small (see calculate weights section above) for a cell with small volume, the cell mean and variance will not contribute much to the weighted sum. Therefore, the above formula provides a reasonable approximation to the balancing critical value.

The values of $m_j$ and $se_j$ will depend on the type of performance measure.

*Mean Measure*

For mean measures, one is concerned with two parameters in each cell, namely, the mean and variance. A possible lack of parity may be due to a difference in cell means, and/or a difference in cell variances. One possible set of hypotheses that capture this notion, and take into account the assumption that transaction are identically distributed within cells is:

$H_0$: $\mu_{1j} = \mu_{2j}$, $\sigma_{1j}^2 = \sigma_{2j}^2$

$H_a$: $\mu_{2j} = \mu_{1j} + \delta_j \cdot \sigma_{1j}$, $\sigma_{2j}^2 = \lambda_j \cdot \sigma_{1j}^2$ $\qquad \delta_j > 0, \lambda_j \geq 1$ and $j = 1, \ldots, L$.

Under this form of alternative hypothesis, the cell test statistic $Z_j$ has mean and standard error given by

$$\pi_j^{(1)} = f_j^{(1)}\left(n_j^2 + f_j^{(2)} + f_j^{(3)} - f_j^{(4)}\right)$$
$$\pi_j^{(2)} = f_j^{(1)}\left(-n_j^2 - f_j^{(2)} + f_j^{(3)} + f_j^{(4)}\right)$$
$$\pi_j^{(3)} = f_j^{(1)}\left(-n_j^2 + f_j^{(2)} - f_j^{(3)} + f_j^{(4)}\right)$$
$$\pi_j^{(4)} = f_j^{(1)}\left(n_j^2\left(\tfrac{2}{\psi_j} - 1\right) - f_j^{(2)} - f_j^{(3)} - f_j^{(4)}\right)$$
$$f_j^{(1)} = \frac{1}{2n_j^2\left(\frac{1}{\psi_j} - 1\right)}$$
$$f_j^{(2)} = n_j n_{1j}\left(\tfrac{1}{\psi_j} - 1\right)$$
$$f_j^{(3)} = n_j a_j\left(\tfrac{1}{\psi_j} - 1\right)$$
$$f_j^{(4)} = \sqrt{n_j^2\left[4n_{1j}\left(n_j - a_j\right)\left(\tfrac{1}{\psi_j} - 1\right) + \left(n_j + \left(a_j - n_{1j}\right)\left(\tfrac{1}{\psi_j} - 1\right)\right)^2\right]}$$

Recall that the cell test statistic is given by

$$Z_j = \frac{n_j a_{1j} - n_{1j} a_j}{\sqrt{\frac{n_{1j} n_{2j} a_j (n_j - a_j)}{n_j - 1}}}.$$

Using the equations above, we see that $Z_j$ has mean and standard error given by

$$m_j = \frac{n_j^2 \pi_j^{(1)} - n_{1j} a_j}{\sqrt{\frac{n_{1j} n_{2j} a_j (n_j - a_j)}{n_j - 1}}}, \text{ and}$$

$$se_j = \sqrt{\frac{n_j^3 (n_j - 1)}{n_{1j} n_{2j} a_j (n_j - a_j)\left(\frac{1}{\pi_j^{(1)}} + \frac{1}{\pi_j^{(2)}} + \frac{1}{\pi_j^{(3)}} + \frac{1}{\pi_j^{(4)}}\right)}}.$$

*Rate Measure*

A rate measure also has only one parameter of interest in each cell, the rate at which a phenomenon is observed relative to a base unit, e.g. the number of troubles per available line. A possible lack of parity may be due to a difference in cell rates. A set of hypotheses that take into account the assumption that transaction are identically distributed within cells is:

$H_0$: $r_{1j} = r_{2j}$

$H_a$: $r_{2j} = \varepsilon_j r_{1j}$ $\quad \varepsilon_j > 1$ and $j = 1,\ldots,L$.

Given the total number of ILEC and CLEC transactions in a cell, $n_j$, and the number of these elements, $b_{1j}$ and $b_{2j}$, the number of ILEC transaction, $n_{1j}$, has a binomial distribution from $n_j$ trials and a probability of

$$q_j^* = \frac{r_{1j} b_{1j}}{r_{1j} b_{1j} + r_{2j} b_{2j}}.$$

Therefore, the mean and variance of $n_{1j}$, are given by

$$E(n_{1j}) = n_j q_j^*$$
$$\text{var}(n_{1j}) = n_j q_j^* (1 - q_j^*)$$

Under the null hypothesis

$$q_j^* = q_j = \frac{b_{1j}}{b_j},$$

but under the alternative hypothesis

$$q_j^* = q_j^a = \frac{b_{1j}}{b_{1j} + \varepsilon_j b_{2j}}.$$

Recall that the cell test statistic is given by

$$Z_j = \frac{n_{1j} - n_j q_j}{\sqrt{n_j q_j (1 - q_j)}}.$$

Using the relationships above, we see that $Z_j$ has mean and standard error given by

$$m_j = \frac{n_j (q_j^a - q_j)}{\sqrt{n_j q_j (1 - q_j)}} = (1 - \varepsilon_j) \sqrt{\frac{n_j b_{1j} b_{2j}}{b_{1j} + \varepsilon_j b_{2j}}}, \text{ and}$$

$$se_j = \sqrt{\frac{q_j^a (1 - q_j^a)}{q_j (1 - q_j)}} = \sqrt{\varepsilon_j} \frac{b_j}{b_{1j} + \varepsilon_j b_{2j}}.$$

**Determining the Parameters of the Alternative Hypothesis**

In this appendix we have indexed the alternative hypothesis of mean measures by two sets of parameters, $\lambda_j$ and $\delta_j$. Proportion and rate measures have been indexed by one set of parameters each, $\psi_j$ and $\varepsilon_j$ respectively. While statistical science can be used to evaluate the impact of different choices of these parameters, there is not much that an appeal to statistical principles can offer in directing specific choices. Specific choices are best left to telephony experts. Still, it is possible to comment on some aspects of these choices:

- Parameter Choices for $\lambda_j$. The set of parameters $\lambda_j$ index alternatives to the null hypothesis that arise because there might be greater unpredictability or variability in the delivery of service to a CLEC customer over that which would be achieved for an otherwise comparable ILEC customer. While concerns about differences in the variability of service are important, it turns out that the truncated Z testing which is being recommended here is relatively insensitive to all but very large values of the $\lambda_j$. Put another way, reasonable differences in the values chosen here could make very little difference in the balancing points chosen.

- Parameter Choices for $\delta_j$. The set of parameters $\delta_j$ are much more important in the choice of the balancing point than was true for the $\lambda_j$. The reason for this is that they directly index differences in average service. The truncated Z test is very sensitive to any such differences; hence, even small disagreements among experts in the choice of the $\delta_j$ could be very important. Sample size matters here too. For example, setting all the $\delta_j$ to a single value – $\delta_j = \delta$ – might be fine for tests across individual CLECs where currently in Louisiana the CLEC customer bases are not too different. Using the same value of $\delta$ for the overall state testing does not seem sensible, however, since the state sample would be so much larger.

- Parameter Choices for $\psi_j$ or $\varepsilon_j$. The set of parameters $\psi_j$ or $\varepsilon_j$ are also important in the choice of the balancing point for tests of their respective measures. The reason for this is that they directly index increases in the proportion or rate of service performance. The truncated Z test is sensitive to such increases; but not as sensitive as the case of $\delta_j$ for mean measures. Sample size matters here as well. As with mean measures, using the same value of $\psi$ or $\varepsilon$ for the overall state testing does not seem sensible since the state sample would be so much larger.

The bottom line here is that beyond a few general considerations, like those given above, a principled approach to the choice of the alternative hypotheses to guard against, must come from elsewhere.

## DECISION PROCESS

Once $Z^T$ has been calculated, it is compared to the balancing critical value to determine if the ILEC is favoring its own customers over a CLEC's customers.

This critical value changes as the ILEC and CLEC transaction volume change. One way to make this transparent to the decision maker, is to report the difference between the test statistic and the critical value, $diff = Z^T - c_B$. If favoritism is concluded when $Z^T < c_B$, then the $diff < 0$ indicates favoritism.

This make it very easy to determine favoritism: a positive *diff* suggests no favoritism, and a negative *diff* suggests favoritism.

# EXHIBIT D

BST VSEEM REMEDY PROCEDURE

## TIER-1 CALCULATION FOR RETAIL ANALOGUES:

1. Calculate the overall test statistic for each CLEC; $z^{T}_{CLEC1}$ (See Exhibit C)
2. Calculate the balancing critical value( ${}^{C}B_{CLEC1}$ ) that is associated with the alternative hypothesis (for fixed parameters $\delta$, $\psi$ or $\varepsilon$). (See Exhibit C)
3. If the overall test statistic is equal to or above the balancing critical value, stop here. Otherwise, go to step 4.
4. Calculate the Parity Gap by subtracting the value of step 2. from that of step 1.; $z^{T}_{CLEC1} - {}^{C}B_{CLEC1}$
5. Calculate the Volume Proportion using a linear distribution with slope of ¼. This can be accomplished by taking the absolute value of the Parity Gap from step 4. divided by 4; $ABS((z^{T}_{CLEC1} - {}^{C}B_{CLEC1}) / 4)$. All parity gaps equal or greater to 4 will result in a volume proportion of 100%.
6. Calculate the Affected Volume by multiplying the Volume Proportion from step 5. by the Total $CLEC_1$ Volume in the negatively affected cell; where the cell value is negative. (See Exhibit C)
7. Calculate the payment to Z-Tel by multiplying the result of step 6. by the appropriate dollar amount from the fee schedule.

So, Z-Tel payment = Affected $Volume_{CLEC1}$ * $$ from Fee Schedule

**Example: Z-Tel Missed Installation Appointments (MIA) for Resale POTS**

| | $n_I$ | $n_C$ | $MIA_I$ | $MIA_C$ | $z^{T}_{CLEC1}$ | $C_B$ | **Parity Gap** | Volume Proportion | Affected Volume |
|---|---|---|---|---|---|---|---|---|---|
| State | 50000 | 600 | 9% | 16% | -1.92 | -0.21 | **1.71** | 0.4275 | |
| Cell | | | | | $Z_{CLEC1}$ | | | | |
| 1 | | 150 | 0.091 | 0.112 | -1.994 | | | | 64 |
| 2 | | 75 | 0.176 | 0.098 | 0.734 | | | | |
| 3 | | 10 | 0.128 | 0.333 | -2.619 | | | | 4 |
| 4 | | 50 | 0.158 | 0.242 | -2.878 | | | | 21 |
| 5 | | 15 | 0.245 | 0.075 | 1.345 | | | | |
| 6 | | 200 | 0.156 | 0.130 | 0.021 | | | | |
| 7 | | 30 | 0.166 | 0.233 | -0.600 | | | | 13 |
| 8 | | 20 | 0.106 | 0.127 | -0.065 | | | | 9 |
| 9 | | 40 | 0.193 | 0.218 | -0.918 | | | | 17 |
| 10 | | 10 | 0.160 | 0.235 | -0.660 | | | | 4 |
| | | | | | | | | | 133 |

where $n_I$ = ILEC observations and $n_C$ = Z-Tel observations

Payout for Z-Tel is (133 units) * ($100/unit) = $13,300

**TIER-2 CALCULATION for RETAIL ANALOGUES:**

1. Tier-2 is triggered by three monthly failures of any VSEEM submetric in the same quarter.

2. Calculate the overall test statistic for the CLEC Aggregate using all transactions from the calendar quarter; $z^{T}_{CLECA}$

3. Calculate the balancing critical value( $^{C}B_{CLEC}$ ) that is associated with the alternative hypothesis (for fixed parameters $\delta$, $\psi$ or $\varepsilon$). (See Exhibit C)

4. If the overall test statistic is equal to or above the balancing critical value for the calendar quarter, stop here. Otherwise, go to step 5.

5. Calculate the Parity Gap by subtracting the value of step 3. from that of step 2.; $z^{T}_{CLECA} - {}^{C}B_{CLECA}$

6. Calculate the Volume Proportion using a linear distribution with slope of ¼. This can be accomplished by dividing the Parity Gap from step 5. by 4; ABS(($z^{T}_{CLECA} - {}^{C}B_{CLECA}$ ) / 4). All parity gaps equal or greater to 4 will result in a volume proportion of 100%.

7. Calculate the Affected Volume by multiplying the Volume Proportion from step 6. by the Total $CLEC_A$ Volume (CLEC Aggregate) in the negatively affected cell; where the cell value is negative (See Exhibit C).

8. Calculate the payment to State Designated Agency by multiplying the result of step 7. by the appropriate dollar amount from the fee schedule.

   So, State Designated Agency payment = $\text{Affected Volume}_{CLECA}$ * $$ from Fee Schedule

**Example: CLEC-A Missed Installation Appointments (MIA) for Resale POTS**

| State | $n_I$ | $n_C$ | $MIA_I$ | $MIA_C$ | $z^{T}_{CLECA}$ | $C_B$ | Parity Gap | Volume Proportion | Affected Volume |
|---|---|---|---|---|---|---|---|---|---|
| Quarter1 | 180000 | 2100 | 9% | 16% | -1.92 | -0.21 | 1.71 | 0.4275 | |
| Cell | | | | | $z_{CLECA}$ | | | | |
| 1 | | 500 | 0.091 | 0.112 | -1.994 | | | | 214 |
| 2 | | 300 | 0.176 | 0.098 | 0.734 | | | | |
| 3 | | 80 | 0.128 | 0.333 | -2.619 | | | | 34 |
| 4 | | 205 | 0.158 | 0.242 | -2.878 | | | | 88 |
| 5 | | 45 | 0.245 | 0.075 | 1.345 | | | | |
| 6 | | 605 | 0.156 | 0.130 | 0.021 | | | | |
| 7 | | 80 | 0.166 | 0.233 | -0.600 | | | | 34 |
| 8 | | 40 | 0.106 | 0.127 | -0.065 | | | | 17 |

| | | | | | |
|---|---|---|---|---|---|
| 9 | 165 | 0.193 | 0.218 | -0.918 | 71 |
| 10 | 80 | 0.160 | 0.235 | -0.660 | 34 |
| | | | | | 492 |

where $n_I$ = ILEC observations and $n_C$ = CLEC-A observations

Payout for CLEC-A is (492 units) * ($300/unit) = $147,600

**Tier-3**

Tier-3 uses the monthly CLEC Aggregate results in a given State. Tier-3 is triggered when five of the twelve Tier-3 sub-metrics experience consecutive failures in a given calendar quarter. The table below displays a situation that would trigger a Tier-3 failure, and one that would not.

| | | TIER-3 FAILURE X = Miss | | | NOT A TIER-3 FAILURE X = Miss | | |
|---|---|---|---|---|---|---|---|
| Process | Measures | Jan | Feb | Mar | Jan | Feb | Mar |
| Percent Missed Installation Appointments | Resale POTS | X | X | X | X | | |
| | Resale Design | X | | | X | X | X |
| | UNE Loop & Port Combo | | X | | | | |
| | UNE Loops | X | X | X | | | |
| Percent Missed Repair Appointments | Resale POTS | X | X | X | X | | X |
| | Resale Design | | X | X | | X | |
| | UNE Loop & Port Combo | | | | | X | X |
| | UNE Loops | | | | X | | |
| Billing | Billing Accuracy | X | X | X | | | |
| | Billing Timeliness | | | | X | X | X |
| Trunk Blockage | Percent Trunk Blockage | X | X | X | | | |
| Collocation | Percent Missed Collocation Due Dates | | | | | | |

Tier-3 is effective immediately after quarter results, and can only be lifted when two of the five failed sub-metrics show compliance for two consecutive months in the following quarter.

All tiers standalone, such that triggering Tier-3 will not cease payout of any Tier-1 or Tier-2 failures.

TIER-1 CALCULATION FOR BENCHMARKS:

1. For each CLEC, with five or more observations, calculate monthly performance results for the State.

2. CLECs having observations (sample sizes) between 5 and 30 will use Table I below:

TABLE I SMALL SAMPLE SIZE TABLE
**(95% Confidence)**

| Sample Size | Equivalent 90% Benchmark | Equivalent 95% Benchmark |
|---|---|---|
| 5 | 60.00% | 80.00% |
| 6 | 66.67% | 83.33% |
| 7 | 71.43% | 85.71% |
| 8 | 75.00% | 75.00% |
| 9 | 66.67% | 77.78% |
| 10 | 70.00% | 80.00% |
| 11 | 72.73% | 81.82% |
| 12 | 75.00% | 83.33% |
| 13 | 76.92% | 84.62% |
| 14 | 78.57% | 85.71% |
| 15 | 73.33% | 86.67% |

| Sample Size | Equivalent 90% Benchmark | Equivalent 95% Benchmark |
|---|---|---|
| 16 | 75.00% | 87.50% |
| 17 | 76.47% | 82.35% |
| 18 | 77.78% | 83.33% |
| 19 | 78.95% | 84.21% |
| 20 | 80.00% | 85.00% |
| 21 | 76.19% | 85.71% |
| 22 | 77.27% | 86.36% |
| 23 | 78.26% | 86.96% |
| 24 | 79.17% | 87.50% |
| 25 | 80.00% | 88.00% |
| 26 | 80.77% | 88.46% |
| 27 | 81.48% | 88.89% |
| 28 | 78.57% | 89.29% |
| 29 | 79.31% | 86.21% |
| 30 | 80.00% | 86.67% |

3. If the percentage (or equivalent percentage for small samples) is equal to or below the benchmark standard, stop here. Otherwise, go to step 4.

4. Determine the Volume Proportion by taking the difference between the benchmark and the actual performance result.

5. Calculate the Affected Volume by multiplying the Volume Proportion from step 4. by the Total $CLEC_1$ Volume.

6. Calculate the payment to Z-Tel by multiplying the result of step 5. by the appropriate dollar amount from the fee schedule.

So, Z-Tel payment = Affected $Volume_{CLEC1}$ * $$ from Fee Schedule

**Example: Z-Tel Missed Installation Appointments (MIA) for UNE Loops**

| | $n_c$ | Benchmark | $MIA_c$ | Volume Proportion | Affected Volume |
|---|---|---|---|---|---|
| State | 600 | 9% | 12% | .03 | 18 |

Payout for Z-Tel is (18 units) * ($400/unit) = $7,200

TIER-1 CALCULATION FOR BENCHMARKS (IN THE FORM OF A TARGET):

1. For each, with five or more observations, CLEC calculate monthly performance results for the State.

2. CLECs having observations (sample sizes) between 5 and 30 will use Table I above.

3. Calculate the interval distribution based on the same data set used in step 1.

4. If the 'percent within' is equal to or exceeds the benchmark standard, stop here. Otherwise, go to step 5.

5. Determine the Volume Proportion by taking the difference between 100% and the actual performance result.

6. Calculate the Affected Volume by multiplying the Volume Proportion from step 5. by the Total $CLEC_1$ Volume.

7. Calculate the payment to Z-Tel by multiplying the result of step 6. by the appropriate dollar amount from the fee schedule.

So, Z-Tel payment = Affected $Volume_{CLEC1}$ * $$ from Fee Schedule

**Example: Z-Tel Reject Timeliness**

| | $n_c$ | Benchmark | Reject $Timeliness_c$ | Volume Proportion | Affected Volume |
|---|---|---|---|---|---|
| State | 600 | 95% within 1 hour | 93% within 1 hour | .07 | 42 |

Payout for Z-Tel is (42 units) * ($100/unit) = $4,200

## TIER-2 CALCULATIONS for BENCHMARKS:

Tier-2 calculations for benchmark measures are the same as the Tier-1 benchmark calculations except the CLEC Aggregate data having failed for three months in a given calendar quarter is being assessed.

# EXHIBIT E

Table-1

## LIQUIDATED DAMAGES TABLE FOR TIER-1 MEASURES

| PER AFFECTED ITEM | | | | | | |
|---|---|---|---|---|---|---|
| | Month 1 | Month 2 | Month3 | Month4 | Month 5 | Month 6 |
| Ordering | $40 | $50 | $60 | $70 | $80 | $90 |
| Provisioning | $100 | $125 | $175 | $250 | $325 | $500 |
| Provisioning UNE (Coordinated Customer Conversions) | $400 | $450 | $500 | $550 | $650 | $800 |
| Maintenance and Repair | $100 | $125 | $175 | $250 | $325 | $500 |
| Maintenance and Repair UNE | $400 | $450 | $500 | $550 | $650 | $800 |
| LNP | $150 | $250 | $500 | $600 | $700 | $800 |
| IC Trunks | $100 | $125 | $175 | $250 | $325 | $500 |
| Collocation | $5,000 | $5,000 | $5,000 | $5,000 | $5,000 | $5,000 |

Table-2

## VOLUNTARY PAYMENTS FOR TIER-2 MEASURES

| | Per Affected Item |
|---|---|
| OSS Pre-Ordering | $20 |
| Ordering | $60 |
| Provisioning | $300 |
| UNE Provisioning (Coordinated Customer Conversions) | $875 |
| Maintenance and Repair | $300 |
| UNE Maintenance and Repair | $875 |
| Billing | $1.00 |
| LNP | $500 |
| IC Trunks | $500 |
| Collocation | $15,000 |

**AGREEMENT IMPLEMENTATION TEMPLATE (Residence)**
**for**
**Z-Tel Communications, Inc.**
**BellSouth Standard Interconnection Agreement**

| | |
|---|---|
| **Agreement Effective Date:** | **Agreement Expiration Date:** |
| **Account Manager:** | **Account Manager Tel No:** |

| Attachment Name/Number | Section Number | Version Date | Planned Activities |
|---|---|---|---|
| Terms/Conditions PartA | 1 | 2/29/00 | |
| | 2 | 2/29/00 | |
| | 3 | 2/29/00 | |
| | 4 | 2/29/00 | |
| | 5 | 2/29/00 | |
| | 6 | 2/29/00 | |
| | 7 | 2/29/00 | |
| | 8 | 2/29/00 | |
| | 9 | 2/29/00 | |
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| | 19 | 2/29/00 | |
| | 20 | 2/29/00 | |
| | 21 | 2/29/00 | |
| | 22 | 2/29/00 | |
| | 23 | 2/29/00 | |
| | 24 | 2/29/00 | |
| | 25 | 2/29/00 | |
| | 26 | 2/29/00 | |
| Terms/Conditions Part B | | 2/29/00 | |
| 1-Resale | 1 | 2/29/00 | |

**AGREEMENT IMPLEMENTATION TEMPLATE (Residence)**
**for**
**Z-Tel Communications, Inc.**
**BellSouth Standard Interconnection Agreement**

| Attachment Name/Number | Section Number | Version Date | Planned Activities |
|---|---|---|---|
| | 2 | 2/29/00 | |
| | 3 | 2/29/00 | |
| | 4 | 2/29/00 | |
| | 5 | 2/29/00 | |
| | 6 | 2/29/00 | |
| | 7 | 2/29/00 | |
| | 8 | 2/29/00 | |
| | 9 | 2/29/00 | |
| | 10 | 2/29/00 | |
| | 11 | 2/29/00 | |
| | 12 | 2/29/00 | |
| | 13 | 2/29/00 | |
| | Exhibit A | 2/29/00 | |
| | Exhibit B | 2/29/00 | |
| | Exhibit C | 2/29/00 | |
| | Exhibit D | 2/29/00 | |
| | Exhibit E | 2/29/00 | |
| | Exhibit F | 2/29/00 | |
| | Exhibit G | 2/29/00 | |
| | | 2/29/00 | |
| 2 Network Elements & Other Services | 1 | 2/29/00 | |
| | 2 | 2/29/00 | |
| | 3 | 2/29/00 | |
| | 4 | 2/29/00 | |
| | 5 | 10/19/00 | |
| | 6 | 2/29/00 | |
| | 7 | 2/29/00 | |
| | 8 | 2/29/00 | |
| | 9 | 2/29/00 | |
| | 10 | 2/29/00 | |

**AGREEMENT IMPLEMENTATION TEMPLATE (Residence)**
**for**
**Z-Tel Communications, Inc.**
**BellSouth Standard Interconnection Agreement**

| Attachment Name/Number | Section Number | Version Date | Planned Activities |
|---|---|---|---|
| | 11 | 2/29/00 | |
| | 12 | 2/29/00 | |
| | 13 | 2/29/00 | |
| | 14 | 2/29/00 | |
| | 15 | 2/29/00 | |
| | 16 | 2/29/00 | |
| | 17 | 2/29/00 | |
| | Exhibit A | 2/29/00 | |
| | Exhibit B | 2/29/00 | |
| | Exhibit C | 2/29/00 & 10/25/00 | |
| 3-Local Interconnection | 1 | 2/29/00 | |
| | 2 | 2/29/00 | |
| | 3 | 2/29/00 | |
| | 4 | 2/29/00 | |
| | 5 | 2/29/00 | |
| | 6 | 2/29/00 | |
| | 7 | 2/29/00 | |
| | 8 | 2/29/00 | |
| | Exhibit A | 2/29/00 | |
| | Exhibit B | 2/29/00 | |
| | Exhibit C | 2/29/00 | |
| | Exhibit D | 2/29/00 | |
| | Exhibit E | 2/29/00 | |
| 4-Physical Collocation | 1 | 2/29/00 | |
| | 2 | 2/29/00 | |
| | 3 | 2/29/00 | |
| | 4 | 2/29/00 | |
| | 5 | 2/29/00 | |
| | 6 | 2/29/00 | |
| | 7 | 2/29/00 | |

**AGREEMENT IMPLEMENTATION TEMPLATE (Residence)**
**for**
**Z-Tel Communications, Inc.**
**BellSouth Standard Interconnection Agreement**

| Attachment Name/Number | Section Number | Version Date | Planned Activities |
|---|---|---|---|
| 8-ROW/Conduits/PoleAtt | 1 | 2/29/00 | |
| 9-Perf Measurement | Pre-Ordering | 2/29/00 | |
| | Ordering | 2/29/00 | |
| | Provisioning | 2/29/00 | |
| | Maint/Repair | 2/29/00 | |
| | Billing | 2/29/00 | |
| | Opr Svcs/DA | 2/29/00 | |
| | E911 | 2/29/00 | |
| | Trunk Grp Perf | 2/29/00 | |
| | Collocation | 2/29/00 | |
| | Appendix A | 2/29/00 | |
| | Appendix B | 2/29/00 | |
| | Appendix C | 2/29/00 | |
| 10-Executive Summary | | 2/29/00 | |
| | | 2/29/00 | |
| 11-Disaster Recovery | | 2/29/00 | |
| | | 2/29/00 | |
| | | | |
| | | | |

**AGREEMENT IMPLEMENTATION TEMPLATE (Business)**
**for**
**Z-Tel Communications, Inc.**
**BellSouth Standard Interconnection Agreement**

| | |
|---|---|
| **Agreement Effective Date:** | **Agreement Expiration Date:** |
| **Account Manager:** | **Account Manager Tel No:** |

| Attachment Name | Section No. | Version Date | Planned Activities |
|---|---|---|---|
| Terms/Conditions PartA | 1 | | |
| | 2 | | |
| | 3 | | |
| | 4 | | |
| | 5 | | |
| | 6 | | |
| | 7 | | |
| | 8 | | |
| | 9 | | |
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| | 20 | | |
| | 21 | | |
| | 22 | | |
| | 23 | | |
| | 24 | | |
| | 25 | | |
| | 26 | | |
| Terms/Conditions Part B | | | |
| 1-Resale | 1 | | |

**AGREEMENT IMPLEMENTATION TEMPLATE (Business)**
**for**
**Z-Tel Communications, Inc.**
**BellSouth Standard Interconnection Agreement**

| Attachment Name | Section No. | Version Date | Planned Activities |
|---|---|---|---|
| | 2 | | |
| | 3 | | |
| | 4 | | |
| | 5 | | |
| | 6 | | |
| | 7 | | |
| | 8 | | |
| | 9 | | |
| | 10 | | |
| | 11 | | |
| | 12 | | |
| | 13 | | |
| | Exhibit A | | |
| | Exhibit B | | |
| | Exhibit C | | |
| | Exhibit D | | |
| | Exhibit E | | |
| | Exhibit F | | |
| | Exhibit G | | |
| | Exhibit H | | |
| 2 Network Elements & Other Services | 1 | | |
| | 2 | | |
| | 3 | | |
| | 4 | | |
| | 5 | | |
| | 6 | | |
| | 7 | | |
| | 8 | | |
| | 9 | | |
| | 10 | | |

**AGREEMENT IMPLEMENTATION TEMPLATE (Business)**
**for**
**Z-Tel Communications, Inc.**
**BellSouth Standard Interconnection Agreement**

| Attachment Name | Section No. | Version Date | Planned Activities |
|---|---|---|---|
| | 11 | | |
| | 12 | | |
| | 13 | | |
| | 14 | | |
| | 15 | | |
| | 16 | | |
| | 17 | | |
| | Exhibit A | | |
| | Exhibit B | | |
| | Exhibit C | | |
| 3-Local Interconnection | 1 | | |
| | 2 | | |
| | 3 | | |
| | 4 | | |
| | 5 | | |
| | 6 | | |
| | 7 | | |
| | 8 | | |
| | Exhibit A | | |
| 4-Physical Collocation | 1 | | |
| | 2 | | |
| | 3 | | |
| | 4 | | |
| | 5 | | |
| | 6 | | |
| | 7 | | |
| | 8 | | |
| | 9 | | |
| | 10 | | |
| | 11 | | |
| | 12 | | |

**AGREEMENT IMPLEMENTATION TEMPLATE (Business)**
**for**
**Z-Tel Communications, Inc.**
**BellSouth Standard Interconnection Agreement**

| Attachment Name | Section No. | Version Date | Planned Activities |
|---|---|---|---|
| | 13 | | |
| | 14 | | |
| | Exhibit A | | |
| | Exhibit B | | |
| 5-Access to Numbers & Number Portability | 1 | | |
| | 2 | | |
| | 3 | | |
| | 4 | | |
| | 5 | | |
| | 6 | | |
| | 7 | | |
| | 8 | | |
| | Exhibit A | | |
| 6-Ordering/Provisioning | 1 | | |
| | 2 | | |
| | 3 | | |
| 7-Billing & Billing Accuracy Certification | 1 | | |
| | 2 | | |
| | 3 | | |
| | 4 | | |
| | 5 | | |
| | 6 | | |
| | 7 | | |
| | Exhibit A | | |
| 8-ROW/Conduits/PoleAtt | 1 | | |
| 9-Perf Measurement | Pre-Ordering | | |
| | Ordering | | |
| | Provisioning | | |
| | Maint/Repair | | |

**AGREEMENT IMPLEMENTATION TEMPLATE (Business)**
**for**
**Z-Tel Communications, Inc.**
**BellSouth Standard Interconnection Agreement**

| Attachment Name | Section No. | Version Date | Planned Activities |
|---|---|---|---|
| | Billing | | |
| | Opr Svcs/DA | | |
| | E911 | | |
| | Trunk Grp Perf | | |
| | Collocation | | |
| | Appendix A | | |
| | Appendix B | | |
| | Appendix C | | |

# Attachment 11
# BellSouth Disaster Recovery Plan

# *2000*
# *BELLSOUTH*

# *DISASTER RECOVERY PLANNING*

***For***

# *CLECS*

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## 1.0 PURPOSE

In the unlikely event of a disaster occurring that affects BellSouth's long-term ability to deliver traffic to a Competitive Local Exchange Carrier (CLEC), general procedures have been developed to hasten the recovery process. Since each location is different and could be affected by an assortment of potential problems, a detailed recovery plan is impractical. However, in the process of reviewing recovery activities for specific locations, some basic procedures emerge that appear to be common in most cases.

These general procedures should apply to any disaster that affects the delivery of traffic for an extended time period. Each CLEC will be given the same consideration during an outage and service will be restored as quickly as possible.

This document will cover the basic recovery procedures that would apply to every CLEC.

## 2.0 SINGLE POINT OF CONTACT

When a problem is experienced, regardless of the severity, the BellSouth Network Management Center (NMC) will observe traffic anomalies and begin monitoring the situation. Controls will be appropriately applied to insure the sanity of BellSouth's network; and, in the event that a switch or facility node is lost, the NMC will attempt to circumvent the failure using available reroutes.

BellSouth's NMC will remain in control of the restoration efforts until the problem has been identified as being a long-term outage. At that time, the NMC will contact BellSouth's Emergency Control Center (ECC) and relinquish control of the recovery efforts. Even though the ECC may take charge of the situation, the NMC will continue to monitor the circumstances and restore traffic as soon as damaged network elements are revitalized.

**The telephone number for the BellSouth Network Management Center in Atlanta, as published in Telcordia's National Network Management Directory, is 404-321-2516.**

## 3.0 IDENTIFYING THE PROBLEM

During the early stages of problem detection, the NMC will be able to tell which CLECs are affected by the catastrophe. Further analysis and/or first hand observation will determine if the disaster has affected CLEC equipment only; BellSouth equipment only or a combination. The initial restoration activity will be largely determined by the equipment that is affected.

Once the nature of the disaster is determined and after verifying the cause of the problem, the NMC will initiate reroutes and/or transfers that are jointly agreed upon by the affected CLECs' Network Management Center and the BellSouth NMC. The type and percentage of controls used will depend upon available network capacity. Controls necessary to stabilize the situation will be invoked and the NMC will attempt to re-establish as much traffic as possible.

For long term outages, recovery efforts will be coordinated by the Emergency Control Center (ECC). Traffic controls will continue to be applied by the NMC until facilities are re-established. As equipment is made available for service, the ECC will instruct the NMC to begin removing the controls and allow traffic to resume.

## 3.1 SITE CONTROL

In the total loss of building use scenario, what likely exists will be a smoking pile of rubble. This rubble will contain many components that could be dangerous. It could also contain any personnel on the premises at the time of the disaster. For these reasons, the local fire marshal with the assistance of the police will control the site until the building is no longer a threat to surrounding properties and the companies have secured the site from the general public.

During this time, the majority owner of the building should be arranging for a demolition contractor to mobilize to the site with the primary objective of reaching the cable entrance facility for a damage assessment. The results of this assessment would then dictate immediate plans for restoration, both short term and permanent.

In a less catastrophic event, i.e., the building is still standing and the cable entrance facility is usable, the situation is more complex. The site will initially be controlled by local authorities until the threat to adjacent property has diminished. Once the site is returned to the control of the companies, the following events should occur.

An initial assessment of the main building infrastructure systems (mechanical, electrical, fire & life safety, elevators, and others) will establish building needs. Once these needs are determined, the majority owner should lead the building restoration efforts. There may be situations where the site will not be totally restored within the confines of the building. The companies must individually determine their needs and jointly assess the cost of permanent restoration to determine the overall plan of action.

Multiple restoration trailers from each company will result in the need for designated space and installation order. This layout and control is required to maximize the amount of restoration equipment that can be placed at the site, and the priority of placements.

Care must be taken in this planning to insure other restoration efforts have logistical access to the building. Major components of telephone and building equipment will need to be removed and replaced. A priority for this equipment must also be jointly established to facilitate overall site restoration. (Example: If the AC switchgear has sustained damage, this would be of the highest priority in order to regain power, lighting, and HVAC throughout the building.)

If the site will not accommodate the required restoration equipment, the companies would then need to quickly arrange with local authorities for street closures, rights of way or other possible options available.

## 3.2 ENVIRONMENTAL CONCERNS

In the worse case scenario, many environmental concerns must be addressed. Along with the police and fire marshal, the state environmental protection department will be on site to monitor the situation.

Items to be concerned with in a large central office building could include:

1. Emergency engine fuel supply. Damage to the standby equipment and the fuel handling equipment could have created "spill" conditions that have to be handled within state and federal regulations.

2. Asbestos containing materials that may be spread throughout the wreckage. Asbestos could be in many components of building, electrical, mechanical, outside plant distribution, and telephone systems.

3. Lead and acid. These materials could be present in potentially large quantities depending upon the extent of damage to the power room.

4. Mercury and other regulated compounds resident in telephone equipment.

5. Other compounds produced by the fire or heat.

Once a total loss event occurs at a large site, local authorities will control immediate clean up (water placed on the wreckage by the fire department) and site access.

At some point, the companies will become involved with local authorities in the overall planning associated with site clean up and restoration. Depending on the clean up approach taken, delays in the restoration of several hours to several days may occur.

In a less severe disaster, items listed above are more defined and can be addressed individually depending on the damage.

In each case, the majority owner should coordinate building and environmental restoration as well as maintain proper planning and site control.

## 4.0 THE EMERGENCY CONTROL CENTER (ECC)

The ECC is located in the Colonnade Building in Birmingham, Alabama. During an emergency, the ECC staff will convene a group of pre-selected experts to inventory the damage and initiate corrective actions. These experts have regional access to BellSouth's personnel and equipment and will assume control of the restoration activity anywhere in the nine-state area.

In the past, the ECC has been involve with restoration activities resulting from hurricanes, ice storms and floods. They have demonstrated their capabilities during these calamities as well as

during outages caused by human error or equipment failures. This group has an excellent record of restoring service as quickly as possible.

During a major disaster, the ECC may move emergency equipment to the affected location, direct recovery efforts of local personnel and coordinate service restoration activities with the CLECs. The ECC will attempt to restore service as quickly as possible using whatever means is available; leaving permanent solutions, such as the replacement of damaged buildings or equipment, for local personnel to administer.

Part of the ECC's responsibility, after temporary equipment is in place, is to support the NMC efforts to return service to the CLECs. Once service has been restored, the ECC will return control of the network to normal operational organizations. Any long-term changes required after service is restored will be made in an orderly fashion and will be conducted as normal activity.

## 5.0 RECOVERY PROCEDURES

The nature and severity of any disaster will influence the recovery procedures. One crucial factor in determining how BellSouth will proceed with restoration is whether or not BellSouth's equipment is incapacitated. Regardless of who's equipment is out of service, BellSouth will move as quickly as possible to aid with service recovery; however, the approach that will be taken may differ depending upon the location of the problem.

## 5.1 CLEC OUTAGE

For a problem limited to one CLEC (or a building with multiple CLECs), BellSouth has several options available for restoring service quickly. For those CLECs that have agreements with other CLECs, BellSouth can immediately start directing traffic to a provisional CLEC for completion. This alternative is dependent upon BellSouth having concurrence from the affected CLECs.

Whether or not the affected CLECs have requested a traffic transfer to another CLEC will not impact BellSouth's resolve to re-establish traffic to the original destination as quickly as possible.

## 5.2 BELLSOUTH OUTAGE

Because BellSouth's equipment has varying degrees of impact on the service provided to the CLECs, restoring service from damaged BellSouth equipment is different. The outage will probably impact a number of Carriers simultaneously. However, the ECC will be able to initiate immediate actions to correct the problem.

A disaster involving any of BellSouth's equipment locations could impact the CLECs, some more than others. A disaster at a Central Office (CO) would only impact the delivery of traffic to and from that one location, but the incident could affect many Carriers. If the Central Office is a Serving Wire Center (SWC), then traffic from the entire area to those Carriers served from that switch would also be impacted. If the switch functions as an Access Tandem, or there is a tandem in the building, traffic from every CO to every CLEC could be interrupted. A disaster that destroys a facility hub could disrupt various traffic flows, even though the switching equipment may be unaffected.

The NMC would be the first group to observe a problem involving BellSouth's equipment. Shortly after a disaster, the NMC will begin applying controls and finding re-routes for the

completion of as much traffic as possible. These reroutes may involve delivering traffic to alternate Carriers upon receiving approval from the CLECs involved. In some cases, changes in translations will be required. If the outage is caused by the destruction of equipment, then the ECC will assume control of the restoration.

### 5.2.1 Loss of a Central Office

When BellSouth loses a Central Office, the ECC will

a) Place specialists and emergency equipment on notice;

b) Inventory the damage to determine what equipment and/or functions are lost;

c) Move containerized emergency equipment and facility equipment to the stricken area, if necessary;

d) Begin reconnecting service for Hospitals, Police and other emergency agencies; and

e) Begin restoring service to CLECs and other customers.

### 5.2.2 Loss of a Central Office with Serving Wire Center Functions

The loss of a Central Office that also serves as a Serving Wire Center (SWC) will be restored as described in section 5.2.1.

### 5.2.3 Loss of a Central Office with Tandem Functions

When BellSouth loses a Central Office building that serves as an Access Tandem and as a SWC, the ECC will

a) Place specialists and emergency equipment on notice;

b) Inventory the damage to determine what equipment and/or functions are lost;

c) Move containerized emergency equipment and facility equipment to the stricken area, if necessary;

d) Begin reconnecting service for Hospitals, Police and other emergency agencies;

e) Re-direct as much traffic as possible to the alternate access tandem (if available) for delivery to those CLECs utilizing a different location as a SWC;

f) Begin aggregating traffic to a location near the damaged building. From this location, begin re-establishing trunk groups to the CLECs for the delivery of traffic normally found on the direct trunk groups. (This aggregation point may be the alternate access tandem location or another CO on a primary facility route.)

g) Begin restoring service to CLECs and other customers.

### 5.2.4 Loss of a Facility Hub

In the event that BellSouth loses a facility hub, the recovery process is much the same as above. Once the NMC has observed the problem and administered the appropriate controls, the ECC will assume authority for the repairs. The recovery effort will include

a) Placing specialists and emergency equipment on notice;

b) Inventorying the damage to determine what equipment and/or functions are lost;

c) Moving containerized emergency equipment to the stricken area, if necessary;

d) Reconnecting service for Hospitals, Police and other emergency agencies; and

e) Restoring service to CLECs and other customers. If necessary, BellSouth will aggregate the traffic at another location and build temporary facilities. This alternative would be viable for a location that is destroyed and building repairs are required.

## 5.3 COMBINED OUTAGE (CLEC AND BELLSOUTH EQUIPMENT)

In some instances, a disaster may impact BellSouth's equipment as well as the CLECs'. This situation will be handled in much the same way as described in section 5.2.3. Since BellSouth and the CLECs will be utilizing temporary equipment, close coordination will be required.

## 6.0 T1 IDENTIFICATION PROCEDURES

During the restoration of service after a disaster, BellSouth may be forced to aggregate traffic for delivery to a CLEC. During this process, T1 traffic may be consolidated onto DS3s and may become unidentifiable to the Carrier. Because resources will be limited, BellSouth may be forced to "package" this traffic entirely differently then normally received by the CLECs. Therefore, a method for identifying the T1 traffic on the DS3s and providing the information to the Carriers is required.

## 7.0 ACRONYMS

| | | |
|---|---|---|
| CO | - | Central Office (BellSouth) |
| DS3 | - | Facility that carries 28 T1s (672 circuits) |
| ECC | - | Emergency Control Center (BellSouth) |
| CLEC | - | Competitive Local Exchange Carrier |
| NMC | - | Network Management Center |
| SWC | - | Serving Wire Center (BellSouth switch) |
| T1 | - | Facility that carries 24 circuits |

## Hurricane Information

During a hurricane, BellSouth will make every effort to keep CLECs updated on the status of our network. Information centers will be set up throughout BellSouth Telecommunications. These centers are not intended to be used for escalations, but rather to keep the CLEC informed of network related issues, area damages and dispatch conditions, etc.

Hurricane-related information can also be found on line at http://www.interconnection.bellsouth.com/network/disaster/dis_resp.htm. Information concerning Mechanized Disaster Reports can also be found at this website by clicking on CURRENT MDR REPORTS or by going directly to http://www.interconnection.bellsouth.com/network/disaster/mdrs.htm.

## BST Disaster Management Plan

BellSouth maintenance centers have geographical and redundant communication capabilities. In the event of a disaster removing any maintenance center from service another geographical center would assume maintenance responsibilities. The contact numbers will not change and the transfer will be transparent to the CLEC.

# Attachment 12

# High Frequency Spectrum

## GENERAL

1.0 BellSouth shall provide Z-Tel access to the high frequency portion of the local loop as an unbundled network element ("High Frequency Spectrum) the rates set forth in Section 4 herein. BellSouth shall provide Z-Tel with the High Frequency Spectrum irrespective of whether BellSouth chooses to offer xDSL services on the loop.

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 Z-Tel's 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. Z-Tel shall only use xDSL technology that is within the PSD mask parameters set forth in T1.413, other applicable industry standards, or as otherwise allowed by the FCC line sharing order (FCC 99-355 released December 9, 1999). Z-Tel shall provision xDSL service on the High Frequency Spectrum in accordance with the applicable technical specifications and standards.

1.2 The following loop requirements are necessary for Z-Tel 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 Z-Tel 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 Z-Tel 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, provided BellSouth makes the affirmative showing to the relevant state commission that condititioning the specific loop in question will significantly degrade voice band services. BellSouth shall charge, and Z-Tel 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 Z-Tel requests that BellSouth condition a loop longer than 18,000 ft. and such conditioning significantly degrades the voice services on the loop, Z-Tel shall pay for the loop to be restored to its original state.

1.3 Z-Tel's meet point is the point of termination for Z-Tel's or the toll main distributing frame in the central office ("Meet Point"). BellSouth will use jumpers to connect the Z-Tel's connecting block to the splitter. The splitter will route the High Frequency Spectrum on the circuit to the Z-Tel's xDSL equipment in the Z-Tel's collocation space. The "Splitter" is a device that divides the data and voice signals concurrently moving across the loop, directing the voice traffic to the BellSouth switch and the data traffic to Z-Tel owned equipment. For Z-Tel owned splitters, BellSouth and Z-Tel will work together to develop a solution for an Integrated DSLAM/Splitter.

1.4 Z-Tel shall have access to the Splitter for test purposes, irrespective of where the Splitter is placed in the BellSouth premises.

**PROVISIONING OF HIGH FREQUENCY SPECTRUM AND SPLITTER SPACE**

2.0 BellSouth will provide Z-Tel with access to the High Frequency Spectrum as follows:

2.1 BellSouth Owned Splitters

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, Z-Tel 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 Z-Tel'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 Z-Tel will reevaluate this forty-two (42) day interval on or before August 1, 2000.

2.1.2 BellSouth will select, purchase, install, and maintain a central office POTS splitter and provide Z-Tel 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 Z-Tel with a carrier notification letter at least 30 days before such change and shall work collaboratively with Z-Tel to select a mutually agreeable brand of splitter for use by BellSouth. Z-Tel shall thereafter purchase ports on the splitter as set forth more fully below.

2.1.3 BellSouth will install the splitter in (i) a common area close to the Z-Tel collocation area, if possible; or (ii) in a BellSouth relay rack as close to the Z-Tel 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 Z-Tel DS0 at such time that a Z-Tel end user's service is established.

2.2 Z-Tel Owned Splitters

2.2.1 Upon completion of the conditions set forth in 2.2.2.1, 2.2.2.2, and 2.2.2.3, BellSouth (i) shall

provide Z-Tel with the option of purchasing, installing, and maintaining central office POTS splitters in its collocation arrangements, and (ii) shall enable Z-Tel to obtain access to, and provide digital subscriber line services to Z-Tel' Customers via, High Frequency Spectrum Network Elements that utilize such splitters.

2.2.2 Consistent with this splitter option, the Parties agree to meet collaboratively as often as necessary to resolve the following operational issues if not already resolved and in place by BellSouth prior to Z-Tel's deployment of its own splitter in its collocation arrangement

2.2.2.1 Maintenance & Repair procedures must be established for locating and resolving voice troubles found to be in Z-Tel' equipment or wiring.

2.2.2.2 Procedures will be developed for BellSouth's testing of voice circuits that enter Z-Tel collocation arrangement.

2.2.2.3 COSMOS must be modified to be able to accept two CFA pair assignments from Z-Tel when Z-Tel orders High Frequency Spectrum. In order for this modification of COSMOS to be completed as quickly as possible, the Parties agree as follows:

2.2.2.3.1 Z-Tel shall identify for BellSouth the cable pairs in specific central offices that Z-Tel intends to use for line sharing; and

2.2.2.3.2 Within 60 days of Z-Tel supplying identified cable pairs as described in 2.2.2.3.1, BellSouth agrees to complete modifications to

COSMOS for these cable pairs.

2.2.2.3.2.1 If is not technically feasible for BellSouth to complete these modifications within 60 days, BellSouth will use its best efforts to develop a work-around solution that will enable Z-Tel to provide its services using High Frequency Spectrum and Z-Tel' splitters by within the 60 days. In the event such a work-around must be developed, BellSouth agrees to work collaboratively with Z-Tel 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.

2.2.2.4 In the event Z-Tel 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. Z-Tel 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 Z-Tel anticipates commencing the work; and (2) the estimated date of completion. Prior to installation of the splitter, Z-Tel or its certified vendor will provide a Methods of Procedure for each affected collocation space. In the event the equipment installed by Z-Tel 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 Z-Tel, may require Z-Tel 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 Z-Tel 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.

2.2.2.5 Any splitters installed by Z-Tel in its collocation arrangements shall comply with ANSI T1.413, Annex E, or any future ANSI splitter standards. BellSouth shall also permit Z-Tel to install any splitters in that BellSouth deploys or permits to be deployed for itself or any BellSouth Affiliate.

2.5 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 Z-Tel desires to continue providing xDSL service on such loop, Z-Tel 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 Z-Tel desires to continue providing xDSL service on such loop, Z-Tel shall be required to purchase the full stand-alone loop unbundled network element.

2.6 Z-Tel shall utilize procedures for provisioning the High Frequency Spectrum developed by BellSouth and other carriers if such procedures exist. At Z-Tel's request, Z-Tel and BellSouth shall work together collaboratively to develop systems and processes for provisioning the High Frequency SpectrumHigh Frequency Spectrum in various real life scenarios, provided relevant procedures are not otherwise adequately addressed in existing procedures. Z-Tel shall be entitled to purchase the High Frequency SpectrumHigh Frequency Spectrum on a loop that is provisioned over fiber fed digital loop carrier. BellSouth will provide Z-Tel with access to feeder subloops at UNE prices. At Z-Tel's request, BellSouth and Z-TelZ-Tel will work together to establish methods and procedures for providing Z-Tel access to the High Frequency SpectrumHigh Frequency Spectrum over fiber fed digital loop carriers.

2.7 Only one competitive local exchange carrier shall be permitted access to the High Frequency SpectrumHigh Frequency Spectrum of any particular loop.

2.8 To order High Frequency SpectrumHigh Frequency Spectrum on a particular loop, Z-Tel must have a DSLAM collocated in the central office that serves the end-user of such loop. BellSouth will work collaboratively with Z-Tel to create a concurrent process that allows Z-Tel to order splitters in central offices where Z-Tel is in the process of obtaining collocation space and enables BellSouth to install such splitters before the end of Z-Tel's collocation provisioning interval. While that process is being developed, Z-Tel 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 Z-Tel to order splitter ports in increments of 24 or 96 ports.

2.10 BellSouth will provide Z-Tel the Local Service Request ("LSR") format to be used when ordering the High Frequency Spectrum.

2.11 BellSouth will provide access to the High Frequency Spectrum at intervals to Z-Tel at parity with those intervals provided to itself, its affiliates or other carriers. BellSouth will initially provide access to the High Frequency SpectrumHigh 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 Z-Tel with access to the High Frequency Spectrum as follows:

2.11.1 For 1-5 lines at the same address within three (3) business days from the receipt of the FOC; 6-10 lines at same address within five (5) business days from the receipt of the FOC; and more that 10 lines at the same address is to be negotiated. BellSouth and Z-Tel will re-evaluate these intervals on or before August 1, 2000.High Frequency Spectrum.

2.12 Z-Tel will initially use BellSouth's existing pre-qualification functionality and order processes to pre-qualify line and order the High Frequency Spectrum. Z-Tel 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 Z-Tel, by the fourth quarter of 2000, an electronic pre-ordering, ordering, provisioning, repair and maintenance and billing functionalities for the High Frequency Spectrum. Loop prequalification and loop qualification for the High Frequency Spectrum shall be as described in Section X of this Attachment.

**MAINTENANCE AND REPAIR**

3.0 Z-Tel shall have access, for test, repair, and maintenance purposes, to any loop as to which it has access to the High Frequency Spectrum. Z-Tel 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 Z-Tel 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 Z-Tel. 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 Z-Tel 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 Z-Tel 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.

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 Z-Tel'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 Z-Tel and allow twenty-four (24) hours to cure the trouble. If Z-Tel fails to resolve the trouble, BellSouth may discontinue Z-Tel's access to the High Frequency Spectrum on such loop.

**PRICING**

4.0 BellSouth and Z-Tel 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 Z-Tel'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 Z-Tel enter into this Agreement without waiving current or future relevant legal rights and without prejudicing any position BellSouth or Z-Tel 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 Z-Tel 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 Z-Tel might take before the FCC or any state public utility commission related to the terms and conditions under which BellSouth must provide Z-Tel 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.

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

| | | RATES BY STATE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| DESCRIPTION | USOC | 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** | ULSDC | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **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 |

## 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 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 |
| AGSTGAAU | 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 |
| 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 | STRTFLMA | FL | 14 |
| 14 | BRHMALCP | AL | 15 |
| 15 | BRHMALEL | AL | 16 |
| 1141 | CLMASCSN | SC | 17 |
| 1240 | CHTGTNNS | TN | 18 |
| 1339 | MMPHTNOA | TN | 19 |
| 1073 | RLGHNCSI | 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 | 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 | 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 |

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|---|---|---|---|
| 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 | 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 | CRTHTNMA | 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 | SHPTLACL | LA | 253 |
| 1388 | SMYRTNMA | TN | 254 |
| 1262 | DKSNTNMT | TN | 255 |

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|---|---|---|---|
| 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 | RLGHNCSB | 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 | 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 |
| 1096 | WNDLNCPI | NC | 306 |
| 846 | JCSNMSBL | MS | 307 |

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|---|---|---|---|
| 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 |
| 154 | BLGLFLMA | FL | 323 |
| 1258 | CRVLTNMA | TN | 324 |
| 851 | JCSNMSPC | MS | 325 |
| 1241 | CHTGTNRB | TN | 326 |
| 1053 | MGTNNCGR | NC | 327 |
| 89 | TSCLALDH | 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 | TSCLALNO | 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 2***

# Attachment 4
# Physical Collocation

# BELLSOUTH
# PHYSICAL COLLOCATION

## 1. Scope of Attachment

1.1 Scope of Attachment. The rates, terms, and conditions contained within this Attachment shall only apply when NOS Communications, Inc. is occupying the Collocation Space as a sole occupant or as a Host within a Premises location pursuant to Section 4. This Attachment is applicable to Premises owned or leased by BellSouth. However, if the Premises occupied by BellSouth is leased by BellSouth from a third party, special considerations and intervals may apply in addition to the terms and conditions of this Attachment.

All the negotiated rates, terms and conditions set forth in this Attachment pertain to collocation and the provisioning of Collocation Space.

1.2 Right to Occupy. BellSouth shall offer to NOS Communications, Inc. collocation on rates, terms, and conditions that are just, reasonable, non-discriminatory and consistent with the rules of the Federal Communications Commission ("FCC"). Subject to Section 4 of this Attachment, BellSouth allows NOS Communications, Inc. to occupy that certain area designated by BellSouth within a BellSouth Premises, or on BellSouth property upon which the BellSouth Premises is located, of a size which is specified by NOS Communications, Inc. and agreed to by BellSouth (hereinafter "Collocation Space"). BellSouth Premises include BellSouth Central Offices and Serving Wire Centers. The necessary rates, terms and conditions for BellSouth locations other than BellSouth Premises shall be negotiated upon request for collocation at such location(s). Neither BellSouth nor any of BellSouth's affiliates may reserve space for future use on more preferential terms than those set forth above.

1.2.1 In all states other than Florida, the size specified by NOS Communications, Inc. may contemplate a request for space sufficient to accommodate NOS Communications, Inc.'s growth within a two-year period.

1.2.2 In the state of Florida, the size specified by NOS Communications, Inc. may contemplate a request for space sufficient to accommodate NOS Communications, Inc.'s growth within an eighteen (18) month period.

1.3 Space Reclamation. In the event of space exhaust within a Central Office Premises, BellSouth may include in its documentation for the Petition for Waiver filing any unutilized space in the Central Office Premises. NOS Communications, Inc. will be responsible for any justification of unutilized space within its space, if such justification is required by the appropriate state commission.

1.4 Use of Space. NOS Communications, Inc. shall use the Collocation Space for the purposes of installing, maintaining and operating NOS Communications, Inc.'s equipment (to include testing and monitoring equipment) necessary for interconnection

with BellSouth services and facilities, including access to unbundled network elements, for the provision of telecommunications services. Pursuant to Section 5 following, NOS Communications, Inc. may, at its option, place NOS Communications, Inc.-owned fiber entrance facilities to the Collocation Space. The Collocation Space may be used for no other purposes except as specifically described herein or authorized in writing by BellSouth.

1.5 Rates and Charges. NOS Communications, Inc. agrees to pay the rates and charges identified in Exhibit A attached hereto.

1.6 Due Dates. In all states other than Georgia, if any due date contained in this Attachment falls on a weekend or National holiday, then the due date will be the next business day thereafter.

1.7 The parties agree to comply with all applicable federal, state, county, local and administrative laws, rules, ordinances, regulations and codes in the performance of their obligations hereunder.

## 2. Space Notification

2.1 Availability of Space. Upon submission of an Application pursuant to Section 6, BellSouth will permit NOS Communications, Inc. to physically collocate, pursuant to the terms of this Attachment, at any BellSouth Premises, unless BellSouth has determined that there is no space available due to space limitations or that physical collocation is not practical for technical reasons.

2.1.1 Availability Notification. Unless otherwise specified, BellSouth will respond to an application within ten (10) calendar days as to whether space is available or not available within a BellSouth Premises. This interval excludes National Holidays. If the amount of space requested is not available, BellSouth will notify NOS Communications, Inc. of the amount of space that is available.

2.1.2 BellSouth will respond to a Florida Application within fifteen (15) calendar days as to whether space is available or not available within a BellSouth Premises. If the amount of space requested is not available, BellSouth will notify NOS Communications, Inc. of the amount of space that is available.

2.1.3 BellSouth will respond to a Louisiana Application within ten (10) calendar days for space availability for one (1) to ten (10) Applications; fifteen (15) calendar days for eleven (11) to twenty (20) Applications; and for more than twenty (20) Applications, it is increased by five (5) calendar days for every five additional Applications received within five (5) business days. If the amount of space requested is not available, BellSouth will notify NOS Communications, Inc. of the amount of space that is available.

2.1.4 BellSouth will respond to a Mississippi Application within ten (10) business days as to whether space is available or not available within a BellSouth Premises. If the amount of space requested is not available, BellSouth will notify NOS Communications, Inc. of the amount of space that is available.

2.2 Reporting. Upon request from NOS Communications, Inc., BellSouth will provide a written report ("Space Availability Report") specifying the amount of Collocation Space available at the Premises requested, the number of collocators present at the Premises, any modifications in the use of the space since the last report on the Premises requested and the measures BellSouth is taking to make additional space available for collocation arrangements.

2.2.1 The request from NOS Communications, Inc. for a Space Availability Report must be written and must include the Premises and Common Language Location Identification ("CLLI") code of the Premises. Such information regarding Premises and CLLI code is located in the National Exchange Carriers Association (NECA) Tariff FCC No. 4.

2.2.2 BellSouth will respond to a request for a Space Availability Report for a particular Premises within ten (10) calendar days of receipt of such request. BellSouth will make best efforts to respond in ten (10) calendar days to such a request when the request includes from two (2) to five (5) Premises within the same state. The response time for requests of more than five (5) Premises shall be negotiated between the Parties. If BellSouth cannot meet the ten calendar day response time, BellSouth shall notify NOS Communications, Inc. and inform NOS Communications, Inc. of the time frame under which it can respond.

2.2.2.1 In Mississippi, BellSouth will respond to a request for a Space Availability Report for a particular Premises within ten (10) business days of receipt of such request. BellSouth will make best efforts to respond in ten (10) business days to such a request when the request includes from two (2) to five (5) Premises within the same state. The response time for requests of more than five (5) Premises shall be negotiated between the Parties. If BellSouth cannot meet the ten business day response time, BellSouth shall notify NOS Communications, Inc. and inform NOS Communications, Inc. of the time frame under which it can respond.

2.3 Denial of Application. After notifying NOS Communications, Inc. that BellSouth has no available space in the requested Premises ("Denial of Application"), BellSouth will allow NOS Communications, Inc., upon request, to tour the entire Premises within ten (10) calendar days of such Denial of Application. In order to schedule said tour within ten (10) calendar days, the request for a tour of the Premises must be received by BellSouth within five (5) calendar days of the Denial of Application.

2.3.1 Denial of Application. In Mississippi, after notifying NOS Communications, Inc. that BellSouth has no available space in the requested Premises ("Denial of Application"), BellSouth will allow NOS Communications, Inc., upon request, to tour the entire Premises within ten (10) business days of such Denial of Application. In order to

schedule said tour within ten (10) business days. the request for a tour of the Premises must be received by BellSouth within five (5) business days of the Denial of Application.

2.4 Filing of Petition for Waiver. Upon Denial of Application BellSouth will timely file a petition with the Commission pursuant to 47 U.S.C. § 251(c)(6). BellSouth shall provide to the Commission any information requested by that Commission. Such information shall include which space, if any, BellSouth or any of BellSouth's affiliates have reserved for future use and a detailed description of the specific future uses for which the space has been reserved. Subject to an appropriate nondisclosure agreement or provision, BellSouth shall permit NOS Communications, Inc. to inspect any floor plans or diagrams that BellSouth provides to the Commission.

2.5 Waiting List. Unless otherwise specified, on a first-come, first-served basis governed by the date of receipt of an Application or Letter of Intent, BellSouth will maintain a waiting list of requesting carriers who have either received a Denial of Application or, where it is publicly known that the Premises is out of space, have submitted a Letter of Intent to collocate. BellSouth will notify the telecommunications carriers on the waiting list when space becomes available according to how much space becomes available and the position of telecommunications carrier on said waiting list. NOS Communications, Inc. must submit an updated, complete, and correct Application to BellSouth within 30 calendar days (in Mississippi, 30 business days) of such notification or notify BellSouth in writing within that time that NOS Communications, Inc. wants to maintain its place on the waiting list either without accepting such space or accepting an amount of space less than its original request. If NOS Communications, Inc. does not submit such an Application or notify BellSouth in writing as described above, BellSouth will offer such space to the next CLEC on the waiting list and remove NOS Communications, Inc. from the waiting list. Upon request, BellSouth will advise NOS Communications, Inc. as to its position on the list.

2.5.1 In Florida, on a first-come, first-served basis governed by the date of receipt of an Application or Letter of Intent, BellSouth will maintain a waiting list of requesting carriers who have either received a Denial of Application or, where it is publicly known that the Premises is out of space, have submitted a Letter of Intent to collocate. Sixty (60) days prior to space becoming available, if known, BellSouth will notify the Florida PSC and the telecommunications carriers on the waiting list by mail when space becomes available according to the position of telecommunications carrier on said waiting list. If not known sixty (60) days in advance, BellSouth shall notify the Florida PSC and the telecommunications carriers on the waiting list within two days of the determination that space is available.

2.6 Public Notification. BellSouth will maintain on its Interconnection Services website a notification document that will indicate all Central Offices that are without available space. BellSouth shall update such document within ten (10) calendar days (in Mississippi, 10 business days) of the Denial of Application due to Space Exhaust. BellSouth will also post a document on its Interconnection Services website that

contains a general notice where space has become available in a Central Office previously on the space exhaust list. BellSouth shall allocate said available space pursuant to the waiting list referenced in Section 2.5.

2.7 Regulatory Agency Procedures. Notwithstanding the foregoing, should any state or federal regulatory agency impose procedures or intervals applicable to NOS Communications, Inc. that are different from procedures or intervals set forth in this section, whether now in effect or that become effective after execution of this Agreement, those procedures or intervals shall supersede the requirements set forth herein for that jurisdiction for all applications submitted for the first time after the effective date thereof.

## 3. Collocation Options

3.1 Cageless. BellSouth shall allow NOS Communications, Inc. to collocate NOS Communications, Inc.'s equipment and facilities without requiring the construction of a cage or similar structure. BellSouth shall allow NOS Communications, Inc. to have direct access to its equipment and facilities. BellSouth shall make cageless collocation available in single bay increments pursuant to Section 7. Except where NOS Communications, Inc.'s equipment requires special technical considerations (e.g., special cable racking, isolated ground plane), BellSouth shall assign cageless Collocation Space in conventional equipment rack lineups where feasible. For equipment requiring special technical considerations, NOS Communications, Inc. must provide the equipment layout, including spatial dimensions for such equipment pursuant to generic requirements contained in BellCore (Telcordia) GR-63-Core and shall be responsible for constructing all special technical requirements associated with such equipment pursuant to Section 6 following.

3.2 Cages. BellSouth shall construct enclosures in compliance with NOS Communications, Inc.'s collocation request. At NOS Communications, Inc.'s request, BellSouth shall permit NOS Communications, Inc. to subcontract the construction of physical collocation arrangements with a contractor certified by BellSouth ("BellSouth Certified Contractor"), provided however, that BellSouth shall not unreasonably withhold approval of contractors.

3.3 When NOS Communications, Inc. subcontracts the construction, NOS Communications, Inc. must arrange with a BellSouth Certified Contractor to construct a collocation arrangement enclosure in accordance with BellSouth's guidelines and specifications prior to starting equipment installation and at NOS Communications, Inc.'s sole expense. BellSouth will provide guidelines and specifications upon request. Where local building codes require enclosure specifications more stringent than BellSouth's standard enclosure specification, NOS Communications, Inc. and NOS Communications, Inc.'s BellSouth Certified Contractor must comply with the more

stringent local building code requirements. NOS Communications, Inc.'s BellSouth Certified Contractor shall be responsible for filing and receiving any and all necessary permits and/or licenses for such construction. BellSouth shall cooperate with NOS Communications, Inc. and provide, at NOS Communications, Inc.'s expense, the documentation, including architectural drawings, necessary for NOS Communications, Inc. to obtain the zoning, permits and/or other licenses. BellSouth shall pass on to NOS Communications, Inc. the costs of providing the documentation. The BellSouth Certified Contractor shall bill NOS Communications, Inc. directly for all work performed for NOS Communications, Inc. pursuant to this Attachment and BellSouth shall have no liability for nor responsibility to pay such charges imposed by the BellSouth Certified Contractor. NOS Communications, Inc. must provide the local BellSouth building contact with two Access Keys used to enter the locked enclosure. Except in case of emergency, BellSouth will not access NOS Communications, Inc.'s locked enclosure prior to notifying NOS Communications, Inc..

3.3.1 BellSouth may elect to review NOS Communications, Inc.'s plans and specifications prior to allowing construction to start to ensure compliance with BellSouth's guidelines and specifications. BellSouth shall complete its review within fifteen (15) calendar days. NOS Communications, Inc. shall be able to design caged enclosures in amounts as small as sufficient to house and maintain a single rack or bay of equipment. If BellSouth reviews NOS Communications, Inc.'s plans and specifications prior to construction, then BellSouth will have the right to inspect the enclosure after construction to make sure it is constructed according to the submitted plans and specifications. If BellSouth elects not to review NOS Communications, Inc.'s plans and specifications prior to construction, NOS Communications, Inc. will be entitled to request BellSouth to review; and in the event NOS Communications, Inc. does not request a BellSouth review, BellSouth shall have the right to inspect the enclosure after construction to make sure it is constructed according to BellSouth's guidelines and specifications. BellSouth may require NOS Communications, Inc. to remove or correct within seven (7) calendar days at NOS Communications, Inc.'s expense any structure that does not meet these plans and specifications or, where applicable, BellSouth guidelines and specifications.

3.4 Shared (Subleased) Caged Collocation. NOS Communications, Inc. may allow other telecommunications carriers to share NOS Communications, Inc.'s caged collocation arrangement pursuant to terms and conditions agreed to by NOS Communications, Inc. ("Host") and other telecommunications carriers ("Guests") and pursuant to this section, except where the BellSouth Premises is located within a leased space and BellSouth is prohibited by said lease from offering such an option. NOS Communications, Inc. shall notify BellSouth in writing upon execution of any agreement between the Host and its Guest within ten (10) calendar days (in Mississippi, ten (10) business days) of its execution and prior to any Firm Order. Further, such notice shall include the name of the Guest(s) and the term of the agreement, and shall contain a certification by NOS Communications, Inc. that said agreement imposes upon the Guest(s) the same terms and conditions for Collocation

Space as set forth in this Attachment between BellSouth and NOS Communications, Inc..

3.4.1 NOS Communications, Inc., as the host CLEC shall be the sole interface and responsible Party to BellSouth for the assessment and billing of rates and charges contained within this Attachment; and for the purposes of ensuring that the safety and security requirements of this Attachment are fully complied with by the Guest, its employees and agents. BellSouth shall prorate the costs of the collocation space based on the number of collocators and the space used by each. In all states other than Florida, and in addition to the foregoing, NOS Communications, Inc. shall be the responsible party to BellSouth for the purpose of submitting Applications for initial and additional equipment placement of Guest. In the event the Host and Guest jointly submit an initial Application, only one Application Fee will be assessed. A separate initial Guest application shall require the assessment of a Subsequent Application Fee, as set forth in Exhibit A, if this Application is not the initial Application made for the arrangement. Notwithstanding the foregoing, Guest may arrange directly with BellSouth for the provision of the interconnecting facilities between BellSouth and Guest and for the provision of the services and access to unbundled network elements.

3.4.2 NOS Communications, Inc. shall indemnify and hold harmless BellSouth from any and all claims, actions, causes of action, of whatever kind or nature arising out of the presence of NOS Communications, Inc.'s Guests in the Collocation Space except to the extent caused by BellSouth's sole negligence, gross negligence, or willful misconduct.

3.5 Adjacent Collocation. BellSouth will permit adjacent collocation arrangements ("Adjacent Arrangement") on the Premises' property where physical collocation space within the Premises is legitimately exhausted, subject to technical feasibility, where the Adjacent Arrangement does not interfere with access to existing or planned structures or facilities on the Premises property and where permitted by zoning and other applicable state and local regulations. The Adjacent Arrangement shall be constructed or procured by NOS Communications, Inc. and in conformance with BellSouth's design and construction specifications. Further, NOS Communications, Inc. shall construct, procure, maintain and operate said Adjacent Arrangement(s) pursuant to all of the terms and conditions set forth in this Attachment. Rates shall be negotiated at the time of the request for the Adjacent Arrangement.

3.5.1 Should NOS Communications, Inc. elect such option, NOS Communications, Inc. must arrange with a BellSouth Certified Contractor to construct an Adjacent Arrangement structure in accordance with BellSouth's guidelines and specifications. BellSouth will provide guidelines and specifications upon request. Where local building codes require enclosure specifications more stringent than BellSouth's standard specification, NOS Communications, Inc. and NOS Communications, Inc.'s BellSouth Certified Contractor must comply with the more stringent local building code requirements. NOS Communications, Inc.'s BellSouth Certified Contractor shall be responsible for filing and receiving any and all necessary zoning, permits and/or

licenses for such construction. NOS Communications, Inc.'s BellSouth Certified Contractor shall bill NOS Communications, Inc. directly for all work performed for NOS Communications, Inc. pursuant to this Attachment and BellSouth shall have no liability for nor responsibility to pay such charges imposed by the BellSouth Certified Contractor. NOS Communications, Inc. must provide the local BellSouth building contact with two cards, keys or other access device used to enter the locked enclosure. Except in cases of emergency, BellSouth shall not access NOS Communications, Inc.'s locked enclosure prior to notifying NOS Communications, Inc..

3.5.2 NOS Communications, Inc. must submit its plans and specifications to BellSouth with its Firm Order. BellSouth may elect to review NOS Communications, Inc.'s plans and specifications prior to construction of an Adjacent Arrangement(s) to ensure compliance with BellSouth's guidelines and specifications. BellSouth shall complete its review within fifteen (15) calendar days. If BellSouth reviews NOS Communications, Inc.'s plans and specifications prior to construction, then BellSouth will have the right to inspect the Adjacent Arrangement after construction to make sure it is constructed according to the submitted plans and specifications. If BellSouth elects not to review NOS Communications, Inc.'s plans and specifications prior to construction, NOS Communications, Inc. will be entitled to request BellSouth to review; and in the event NOS Communications, Inc. does not request a BellSouth review, BellSouth shall have the right to inspect the Adjacent Arrangement after construction to make sure it is constructed according to BellSouth's guidelines and specifications. BellSouth may require NOS Communications, Inc. to remove or correct within seven (7) calendar days at NOS Communications, Inc.'s expense any structure that does not meet these plans and specifications or, where applicable, BellSouth's guidelines and specifications

3.5.3 NOS Communications, Inc. shall provide a concrete pad, the structure housing the arrangement, heating/ventilation/air conditioning ("HVAC"), lighting, and all facilities that connect the structure (i.e. racking, conduits, etc.) to the BellSouth point of demarcation. At NOS Communications, Inc.'s option, and where the local authority having jurisdiction permits, BellSouth shall provide an AC power source and access to physical collocation services and facilities subject to the same nondiscriminatory requirements as applicable to any other physical collocation arrangement. NOS Communications, Inc.'s BellSouth Certified Contractor shall be responsible for filing and receiving any and all necessary zoning, permits and/or licenses for such arrangement.

3.5.4 BellSouth shall allow Shared (Subleased) Caged Collocation within an Adjacent Arrangement pursuant to the terms and conditions set forth in Section 3.4 preceding.

**4. Occupancy**

4.1 Commencement Date. The "Commencement Date" shall be the day NOS Communications, Inc.'s equipment becomes operational as described in Article 4.2. following.

4.2 Occupancy. BellSouth will notify NOS Communications, Inc. in writing that the Collocation Space is ready for occupancy. NOS Communications, Inc. must notify BellSouth in writing that collocation equipment installation is complete and is operational with BellSouth's network. BellSouth may, at its option, not accept orders for interconnected service until receipt of such notice. For purposes of this paragraph, NOS Communications, Inc.'s telecommunications equipment will be deemed operational when cross-connected to BellSouth's network for the purpose of service provision.

4.3 Termination of Occupancy. In addition to any other provisions addressing Termination of Occupancy in this Attachment, Termination of Occupancy may occur in the following circumstances:

4.3.1 NOS Communications, Inc. may terminate occupancy in a particular Collocation Space by submitting a Subsequent Application requesting termination of occupancy.

4.3.2 Upon termination of such occupancy, NOS Communications, Inc. at its expense shall remove its equipment and other property from the Collocation Space. NOS Communications, Inc. shall have thirty (30) calendar days from the termination date to complete such removal, including the removal of all equipment and facilities of NOS Communications, Inc.'s Guests, unless CLEC's guest has assumed responsibility for the collocation space housing the guest equipment and executed the documentation required by BellSouth prior to such removal date. NOS Communications, Inc. shall continue payment of monthly fees to BellSouth until such date as NOS Communications, Inc. has fully vacated the Collocation Space. Should NOS Communications, Inc. or NOS Communications, Inc.'s Guest fail to vacate the Collocation Space within thirty (30) calendar days from the termination date, BellSouth shall have the right to remove the equipment and other property of NOS Communications, Inc. or NOS Communications, Inc.'s Guest at NOS Communications, Inc.'s expense and with no liability for damage or injury to NOS Communications, Inc. or NOS Communications, Inc.'s Guest's property unless caused by the gross negligence or intentional misconduct of BellSouth. Upon termination of NOS Communications, Inc.'s right to occupy Collocation Space, NOS Communications, Inc. shall surrender such Collocation Space to BellSouth in the same condition as when first occupied by NOS Communications, Inc. except for ordinary wear and tear, unless otherwise agreed to by the Parties. NOS Communications, Inc. shall be responsible for the cost of removing any enclosure, together with all support structures (e.g., racking, conduits), at the termination of occupancy and restoring the grounds to their original condition.

**5. Use of Collocation Space**

5.1 Equipment Type. BellSouth permits the collocation of any type of equipment necessary for interconnection to BellSouth's network or for access to unbundled network elements in the provision of telecommunications services.

5.1.1 Such equipment must at a minimum meet the following BellCore (Telcordia) Network Equipment Building Systems (NEBS) General Equipment Requirements: Criteria Level 1 requirements as outlined in the BellCore (Telcordia) Special Report SR-3580, Issue 1; equipment design spatial requirements per GR-63-CORE, Section 2; thermal heat dissipation per GR-063-CORE, Section 4, Criteria 77-79; acoustic noise per GR-063-CORE, Section 4, Criterion 128, and National Electric Code standards. Except where otherwise required by a Commission, BellSouth shall comply with the applicable FCC rules relating to denial of collocation based on NOS Communications, Inc.'s failure to comply with this section.

5.1.2 NOS Communications, Inc. shall not request more DS0, DS1, DS3 and optical terminations for a collocation arrangement than the total port or termination capacity of the transmission equipment physically installed in the arrangement. The total capacity of the transmission equipment collocated in the arrangement will include equipment contained in the application in question as well as equipment already placed in the arrangement. Collocated cross-connect devices are not considered transmission equipment. If full network termination capacity of the transmission equipment being installed is not requested in the application, additional network terminations for the installed equipment will require the submission of another application. In the event that NOS Communications, Inc. submits an application for terminations that exceed the total capacity of the collocated equipment, NOS Communications, Inc. will be informed of the discrepancy and will be required to submit a revision to the application.

5.1.3 NOS Communications, Inc. shall not use the Collocation Space for marketing purposes nor shall it place any identifying signs or markings in the area surrounding the Collocation Space or on the grounds of the Premises.

5.1.4 NOS Communications, Inc. shall place a plaque or other identification affixed to NOS Communications, Inc.'s equipment necessary to identify NOS Communications, Inc.'s equipment, including a list of emergency contacts with telephone numbers.

5.2 Entrance Facilities. NOS Communications, Inc. may elect to place NOS Communications, Inc.-owned or NOS Communications, Inc.-leased fiber entrance facilities into the Collocation Space. BellSouth will designate the point of interconnection in close proximity to the Premises building housing the Collocation Space, such as an entrance manhole or a cable vault which are physically accessible by both Parties. NOS Communications, Inc. will provide and place fiber cable at the point of entrance of sufficient length to be pulled through conduit and into the splice location. NOS Communications, Inc. will provide and install a sufficient length of fire

retardant riser cable, to which the entrance cable will be spliced, which will extend from the splice location to NOS Communications, Inc.'s equipment in the Collocation Space. In the event NOS Communications, Inc. utilizes a non-metallic, riser-type entrance facility, a splice will not be required. NOS Communications, Inc. must contact BellSouth for instructions prior to placing the entrance facility cable in the manhole. NOS Communications, Inc. is responsible for maintenance of the entrance facilities. At NOS Communications, Inc.'s option BellSouth will accommodate where technically feasible a microwave entrance facility pursuant to separately negotiated terms and conditions. In the case of adjacent collocation, unless BellSouth determines that limited space is available for the entrance facilities, copper facilities may be used between the adjacent collocation arrangement and the central office termination point.

5.2.1 Dual Entrance. BellSouth will provide at least two interconnection points at each Premises where there are at least two such interconnection points available and where capacity exists. Upon receipt of a request for physical collocation under this Attachment, BellSouth shall provide NOS Communications, Inc. with information regarding BellSouth's capacity to accommodate dual entrance facilities. If conduit in the serving manhole(s) is available and is not reserved for another purpose for utilization within 12 months of the receipt of an application for collocation, BellSouth will make the requested conduit space available for installing a second entrance facility to NOS Communications, Inc.'s arrangement. The location of the serving manhole(s) will be determined at the sole discretion of BellSouth. Where dual entrance is not available due to lack of capacity, BellSouth will so state in the Application Response.

5.2.2 Shared Use. NOS Communications, Inc. may utilize spare capacity on an existing interconnector entrance facility for the purpose of providing an entrance facility to another NOS Communications, Inc. collocation arrangement within the same BellSouth Premises. NOS Communications, Inc. must arrange with BellSouth for BellSouth to splice the utilized entrance facility capacity to NOS Communications, Inc.-provided riser cable.

5.3 Demarcation Point. BellSouth will designate the point(s) of demarcation between NOS Communications, Inc.'s equipment and/or network and BellSouth's network. Each Party will be responsible for maintenance and operation of all equipment/facilities on its side of the demarcation point. For 2-wire and 4-wire connections to BellSouth's network, the demarcation point shall be a common block on the BellSouth designated conventional distributing frame. NOS Communications, Inc. shall be responsible for providing, and a supplier certified by BellSouth ("NOS Communications, Inc.'s BellSouth Certified Supplier") shall be responsible for installing and properly labeling/stenciling, the common block, and necessary cabling pursuant to Section 6.5. For all other terminations BellSouth shall designate a demarcation point on a per arrangement basis. NOS Communications, Inc. or its agent must perform all required maintenance to equipment/facilities on its side of the demarcation point, pursuant to Section 5.4, following, and may self-provision cross-connects that may be required within the Collocation Space to activate service requests. At NOS Communications, Inc.'s option and expense, a Point of Termination ("POT") bay or frame may be

placed in the Collocation Space, but will not serve as the demarcation point. NOS Communications, Inc. must make arrangements with a BellSouth Certified Supplier for such placement.

5.4 NOS Communications, Inc.'s Equipment and Facilities. NOS Communications, Inc., or if required by this Attachment, NOS Communications, Inc.'s BellSouth Certified Supplier, is solely responsible for the design, engineering, installation, testing, provisioning, performance, monitoring, maintenance and repair of the equipment and facilities used by NOS Communications, Inc. which must be performed in compliance with all applicable BellSouth policies and guidelines. Such equipment and facilities may include but are not limited to cable(s); equipment; and point of termination connections. NOS Communications, Inc. and its selected BellSouth Certified Supplier must follow and comply with all BellSouth requirements outlined in BellSouth's TR 73503, TR 73519, TR 73572, and TR 73564.

5.5 BellSouth's Access to Collocation Space. From time to time BellSouth may require access to the Collocation Space. BellSouth retains the right to access such space for the purpose of making BellSouth equipment and building modifications (e.g., running, altering or removing racking, ducts, electrical wiring, HVAC, and cables). BellSouth will give notice to NOS Communications, Inc. at least 48 hours before access to the Collocation Space is required. NOS Communications, Inc. may elect to be present whenever BellSouth performs work in the Collocation Space. The Parties agree that NOS Communications, Inc. will not bear any of the expense associated with this work.

5.6 Access. Pursuant to Section 11, NOS Communications, Inc. shall have access to the Collocation Space twenty-four (24) hours a day, seven (7) days a week. NOS Communications, Inc. agrees to provide the name and social security number or date of birth or driver's license number of each employee, contractor, or agents of NOS Communications, Inc. or NOS Communications, Inc.'s Guests provided with access keys or devices ("Access Keys") prior to the issuance of said Access Keys. Key acknowledgement forms must be signed by NOS Communications, Inc. and returned to BellSouth Access Management within 15 calendar days of NOS Communications, Inc.'s receipt. Failure to return properly acknowledged forms will result in the holding of subsequent requests until acknowledgements are current. Access Keys shall not be duplicated under any circumstances. NOS Communications, Inc. agrees to be responsible for all Access Keys and for the return of all said Access Keys in the possession of NOS Communications, Inc. employees, contractors, Guests, or agents after termination of the employment relationship, contractual obligation with NOS Communications, Inc. or upon the termination of this Attachment or the termination of occupancy of an individual collocation arrangement.

5.6.1 Lost or Stolen Access Keys. NOS Communications, Inc. shall notify BellSouth in writing within 24 hours of becoming aware in the case of lost or stolen Access Keys. Should it become necessary for BellSouth to re-key buildings or deactivate a card as a result of a lost Access Key(s) or for failure to return an Access Key(s), NOS

Communications, Inc. shall pay for all reasonable costs associated with the re-keying or deactivating the card.

5.7 Interference or Impairment. Notwithstanding any other provisions of this Attachment, NOS Communications, Inc. shall not use any product or service provided under this Agreement, any other service related thereto or used in combination therewith, or place or use any equipment or facilities in any manner that 1) significantly degrades, interferes with or impairs service provided by BellSouth or by any other entity or any person's use of its telecommunications service; 2) endangers or damages the equipment, facilities or other property of BellSouth or of any other entity or person; 3) compromises the privacy of any communications; or 4) creates an unreasonable risk of injury or death to any individual or to the public. If BellSouth reasonably determines that any equipment or facilities of NOS Communications, Inc. violates the provisions of this paragraph, BellSouth shall give written notice to NOS Communications, Inc., which notice shall direct NOS Communications, Inc. to cure the violation within forty-eight (48) hours of NOS Communications, Inc.'s actual receipt of written notice or, at a minimum, to commence curative measures within 24 hours and to exercise reasonable diligence to complete such measures as soon as possible thereafter. After receipt of the notice, the Parties agree to consult immediately and, if necessary, to inspect the arrangement.

5.7.1 Except in the case of the deployment of an advanced service which significantly degrades the performance of other advanced services or traditional voice band services, if NOS Communications, Inc. fails to take curative action within 48 hours or if the violation is of a character which poses an immediate and substantial threat of damage to property, injury or death to any person, or any other significant degradation, interference or impairment of BellSouth's or another entity's service, then and only in that event BellSouth may take such action as it deems appropriate to correct the violation, including without limitation the interruption of electrical power to NOS Communications, Inc.'s equipment. BellSouth will endeavor, but is not required, to provide notice to NOS Communications, Inc. prior to taking such action and shall have no liability to NOS Communications, Inc. for any damages arising from such action, except to the extent that such action by BellSouth constitutes willful misconduct.

5.7.2 For purposes of this Section 5.7, the term significantly degrade shall mean an action that noticeably impairs a service from a user's perspective. In the case of the deployment of an advanced service which significantly degrades the performance of other advanced services or traditional voice band services and NOS Communications, Inc. fails to take curative action within 48 hours then BellSouth will establish before the relevant Commission that the technology deployment is causing the significant degradation. Any claims of network harm presented to NOS Communications, Inc. or, if subsequently necessary, the relevant Commission, must be supported with specific and verifiable information. Where BellSouth demonstrates that a deployed technology is significantly degrading the performance of other advanced services or traditional voice band services, NOS Communications, Inc. shall discontinue

deployment of that technology and migrate its customers to technologies that will not significantly degrade the performance of other such services. Where the only degraded service itself is a known disturber, and the newly deployed technology satisfies at least one of the criteria for a presumption that is acceptable for deployment under section 47 C.F.R. 51.230, the degraded service shall not prevail against the newly-deployed technology.

5.8 Personalty and its Removal. Facilities and equipment placed by NOS Communications, Inc. in the Collocation Space shall not become a part of the Collocation Space, even if nailed, screwed or otherwise fastened to the Collocation Space, but shall retain their status as personal property and may be removed by NOS Communications, Inc. at any time. Any damage caused to the Collocation Space by NOS Communications, Inc.'s employees, agents or representatives during the removal of such property shall be promptly repaired by NOS Communications, Inc. at its expense.

5.9 Alterations. In no case shall NOS Communications, Inc. or any person acting on behalf of NOS Communications, Inc. make any rearrangement, modification, improvement, addition, repair, or other alteration which could affect in any way space, power, HVAC, and/or safety considerations to the Collocation Space or the BellSouth Premises without the written consent of BellSouth, which consent shall not be unreasonably withheld. The cost of any such specialized alterations shall be paid by NOS Communications, Inc.. Any material rearrangement, modification, improvement, addition, repair, or other alteration shall require a Subsequent Application and Subsequent Application Fee, pursuant to sub-section 6.2.2.

5.10 Janitorial Service. NOS Communications, Inc. shall be responsible for the general upkeep of the Collocation Space. NOS Communications, Inc. shall arrange directly with a BellSouth Certified Contractor for janitorial services applicable to Caged Collocation Space. BellSouth shall provide a list of such contractors on a site-specific basis upon request.

## 6. Ordering and Preparation of Collocation Space

6.1 Should any state or federal regulatory agency impose procedures or intervals applicable to NOS Communications, Inc. that are different from procedures or intervals set forth in this section, whether now in effect or that become effective after execution of this Agreement, those procedures or intervals shall supersede the requirements set forth herein for that jurisdiction for all applications submitted for the first time after the effective date thereof.

6.2 Application for Space. NOS Communications, Inc. shall submit an application document when NOS Communications, Inc. or NOS Communications, Inc.'s Guest(s), as defined in Section 3.4, desires to request or modify the use of the Collocation Space.

6.2.1 Initial Application. For NOS Communications, Inc. or NOS Communications, Inc.'s Guest(s) initial equipment placement, NOS Communications, Inc. shall submit to BellSouth a Physical Expanded Interconnection Application Document ("Application"). The Application is Bona Fide when it is complete and accurate, meaning that all required fields on the application are completed with the appropriate type of information. The Bona Fide Application shall contain a detailed description and schematic drawing of the equipment to be placed in NOS Communications, Inc.'s Collocation Space(s) and an estimate of the amount of square footage required.

6.2.2 Subsequent Application. In the event NOS Communications, Inc. or NOS Communications, Inc.'s Guest(s) desires to modify the use of the Collocation Space ("Augmentation"), NOS Communications, Inc. shall complete an Application detailing all information regarding the modification to the Collocation Space ("Subsequent Application"). The minimum Subsequent Application Fee shall be considered a partial payment of the applicable Subsequent Application Fee which shall be calculated as set forth below. BellSouth shall determine what modifications, if any, to the Premises are required to accommodate the change requested by NOS Communications, Inc. in the Application. Such necessary modifications to the Premises may include but are not limited to, floor loading changes, changes necessary to meet HVAC requirements, changes to power plant requirements, equipment additions, etc. The fee paid by NOS Communications, Inc. for its request to modify the use of the Collocation Space shall be dependent upon the level of assessment needed for the modification requested. Where the Subsequent Application does not require assessment for provisioning or construction work by BellSouth, no Subsequent Application Fee will be required and the pre-paid fee shall be refunded to NOS Communications, Inc.. The fee for an Application where the modification requested has limited effect (e.g., does not require assessment related to capital expenditure by BellSouth) shall be the Subsequent Application Fee as set forth in Exhibit A. If the modification requires capital expenditure assessment, a full Application Fee shall apply. In the event such modifications require the assessment of a full Application Fee as set forth in Exhibit A, the outstanding balance shall be due by NOS Communications, Inc. within 30 calendar days following NOS Communications, Inc.'s receipt of a bill or invoice from BellSouth. The Subsequent Application is Bona Fide when it is complete and accurate, meaning that all required fields on the Application are completed with the appropriate type of information.

6.3 Application Response. In Alabama, North Carolina, and Tennessee, in addition to the notice of space availability pursuant to Section 2.1, BellSouth will respond as to whether the Application is Bona Fide, and if it is not Bona Fide, the items necessary to cause the Application to become Bona Fide. Sufficient detail will be provided to permit NOS Communications, Inc. a reasonable opportunity to correct each deficiency. NOS Communications, Inc. must correct any deficiencies in its Application and resubmit a Bona Fide Application within ten (10) calendar days of being notified of the deficiencies in the original Application. If NOS Communications, Inc. fails to resubmit its Application as Bona Fide within this ten (10) day period, NOS Communications, Inc. will lose its place in the collocation queue. When space has

been determined to be available, BellSouth will provide a written response ("Application Response"), which will include, at a minimum, the configuration of the space, the Cable Installation Fee, Cable Records Fee, and the space preparation fees, as described in Section 7.

6.3.1 Application Response. Except as otherwise provided, for all States that have ordered provisioning intervals but not application response intervals, the following will apply. In addition to the notice of space availability pursuant to Section 2.1, BellSouth will respond as to whether the Application is Bona Fide, and if it is not Bona Fide, the items necessary to cause the Application to become Bona Fide. When space has been determined to be available, BellSouth will provide a written response ("Application Response") within thirty (30) calendar days of receipt of a Bona Fide Application. The Application Response will include, at a minimum, the configuration of the space, the Cable Installation Fee, Cable Records Fee, and the space preparation fees, as described in Section 7. When multiple applications are submitted in a state within a fifteen (15) calendar day window, BellSouth will respond to the Bona Fide Applications as soon as possible, but no later than the following: within thirty (30) calendar days for Bona Fide Applications 1-5; within thirty-six (36) calendar days for Bona Fide Applications 6-10; within forty-two (42) calendar days for Bona Fide Applications 11-15. Response intervals for multiple Bona Fide Applications submitted within the same timeframe for the same state in excess of 15 must be negotiated. All negotiations shall consider the total volume from all requests from telecommunications companies for collocation.

6.3.2 Application Response (Florida). Within fifteen (15) calendar days of receipt of a Bona Fide Application, BellSouth will respond as to whether space is available or not available within a particular Premises. Additionally, when space has been determined to be available or when a lesser amount of space than that requested is available, then with respect to the space available, BellSouth will provide a written response ("Application Response") including sufficient information to enable NOS Communications, Inc. to place a Firm Order. The Application Response will include, at a minimum, the configuration of the space, the Cable Installation Fee, Cable Records Fee, and the space preparation fees, as described in Section 7. When NOS Communications, Inc. submits ten (10) or more Applications within ten (10) calendar days, the initial fifteen (15) day response period will increase by ten (10) days for every additional ten (10) Applications or fraction thereof.

6.3.3 Application Response (Georgia) In addition to the notice of space availability pursuant to Section 2.1, BellSouth will respond as to whether the Application is Bona Fide, and if it is not Bona Fide, the items necessary to cause the Application to become Bona Fide. When space has been determined to be available for caged or cageless arrangements, BellSouth will provide a written response ("Application Response") within thirty (30) calendar days of receipt of a Bona Fide Application. The Application Response will include, at a minimum, the configuration of the space, the Cable Installation Fee, Cable Records Fee, and the space preparation fees, as described in Section 7.

6.3.4 Application Response (Kentucky) In addition to the notice of space availability pursuant to Section 2.1, BellSouth will respond as to whether the Application is Bona Fide, and if it is not Bona Fide, the items necessary to cause the Application to become Bona Fide. When space has been determined to be available, BellSouth will provide a written response ("Application Response") within thirty (30) calendar days of receipt of a Bona Fide Application. The Application Response will include, at a minimum, the configuration of the space, the Cable Installation Fee, Cable Records Fee, and the space preparation fees, as described in Section 7. When multiple applications are submitted in a state within a fifteen (15) calendar day window, BellSouth will respond to the Bona Fide Applications as soon as possible, but no later than the following: within thirty (30) calendar days for Bona Fide Applications 1-5; within thirty-six (36) calendar days for Bona Fide Applications 6-10; within forty-two (42) calendar days for Bona Fide Applications 11-15. Response intervals for multiple Bona Fide Applications submitted within the same timeframe for the same state in excess of 15 must be negotiated. All negotiations shall consider the total volume from all requests from telecommunications companies for collocation.

6.3.5 Application Response (Louisiana). In addition to the notice of space availability pursuant to Section 2.1, BellSouth will respond as to whether the Application is Bona Fide, and if it is not Bona Fide, the items necessary to cause the Application to become Bona Fide. BellSouth will respond as to whether space is available or not available within a particular Premises in accordance with Section 2. The Application Response will include, at a minimum, the configuration of the space, the Cable Installation Fee, Cable Records Fee, and the space preparation fees, as described in Section 7. BellSouth will respond with a full Application Response within 30 calendar days for one to ten Applications; 35 calendar days for eleven to twenty Applications; and for requests of more than twenty Application it is increased by five calendar days for every five Applications received within five business days.

6.3.6 Application Response (Mississippi). In addition to the notice of space availability pursuant to Section 2. BellSouth will respond as to whether the Application is Bona Fide, and if it is not Bona Fide, the items necessary to cause the Application to become Bona Fide. When space has been determined to be available, BellSouth will provide a written response ("Application Response") within thirty (30) business days of receipt of a Bona Fide Application. The Application Response will include, at a minimum, the configuration of the space, the Cable Installation Fee, Cable Records Fee, and the space preparation fees, as described in Section 7. When multiple applications are submitted in a state within a fifteen (15) business day window, BellSouth will respond to the Bona Fide Applications as soon as possible, but no later than the following: within thirty (30) business days for Bona Fide Applications 1-5; within thirty-six (36) business days for Bona Fide Applications 6-10; within forty-two (42) business days for Bona Fide Applications 11-15. Response intervals for multiple Bona Fide Applications submitted within the same timeframe for the same state in excess of 15 must be negotiated. All negotiations shall consider the total volume from all requests from telecommunications companies for collocation.

6.4 Application Modifications. In Alabama, North Carolina, and Tennessee, if a modification or revision is made to any information in the Bona Fide Application for Physical Collocation or the Bona Fide Application for Adjacent Collocation, with the exception of modifications to Customer Information, Contact Information or Billing Contact Information, either at the request of NOS Communications, Inc. or necessitated by technical considerations, said Application shall be considered a new Application and shall be handled as a new Application for purposes of the provisioning interval and BellSouth shall charge NOS Communications, Inc. a Subsequent Application Fee. Major changes such as requesting additional space or adding equipment may require NOS Communications, Inc. to submit the Application with an Application Fee.

6.4.1 Application Modifications. For all States that have ordered provisioning intervals but not application response intervals, and except as otherwise specified, the following will apply: If a modification or revision is made to any information in the Bona Fide Application for Physical Collocation or the Bona Fide Application for Adjacent Collocation, with the exception of modifications to Customer Information, Contact Information or Billing Contact Information, either at the request of NOS Communications, Inc. or necessitated by technical considerations, BellSouth will respond to the Bona Fide Application within thirty (30) calendar days after BellSouth receives such revised application or at such other date as the Parties agree. If, at any time, BellSouth needs to reevaluate NOS Communications, Inc.'s Bona Fide Application as a result of changes requested by NOS Communications, Inc. to NOS Communications, Inc.'s original application, then BellSouth will charge NOS Communications, Inc. a Subsequent Application Fee. Major changes such as requesting additional space or adding additional equipment may require NOS Communications, Inc. to resubmit the Application with an Application Fee.

6.4.2 Application Modifications (Florida). If a modification or revision is made to any information in the Bona Fide Application for Physical Collocation or the Bona Fide Application for Adjacent Collocation, with the exception of modifications to Customer Information, Contact Information or Billing Contact Information, either at the request of NOS Communications, Inc. or necessitated by technical considerations, BellSouth will respond to the Bona Fide Application within fifteen (15) calendar days after BellSouth receives such revised Application or at such other date as the Parties agree. If, at any time, BellSouth needs to reevaluate NOS Communications, Inc.'s Bona Fide Application as a result of changes requested by NOS Communications, Inc. to NOS Communications, Inc.'s original Application, then BellSouth will charge NOS Communications, Inc. a Subsequent Application Fee. Major changes such as requesting additional space or adding additional equipment may require NOS Communications, Inc. to resubmit the Application with an Application Fee.

6.4.3 Application Modifications (Kentucky & Georgia). If a modification or revision is made to any information in the Bona Fide Application for Physical Collocation or the Bona Fide Application for Adjacent Collocation, with the exception of modifications to Customer Information, Contact Information or Billing Contact Information, either

at the request of NOS Communications, Inc. or necessitated by technical considerations, BellSouth will respond to the Bona Fide Application within thirty (30) calendar days after BellSouth receives such revised Application or at such other date as the Parties agree. If, at any time, BellSouth needs to reevaluate NOS Communications, Inc.'s Bona Fide Application as a result of changes requested by NOS Communications, Inc. to CLEC's original Application, then BellSouth will charge NOS Communications, Inc. a Subsequent Application Fee. Major changes such as requesting additional space or adding additional equipment may require NOS Communications, Inc. to resubmit the Application with an Application Fee.

6.4.4 Application Modifications (Mississippi). If a modification or revision is made to any information in the Bona Fide Application for Physical Collocation or the Bona Fide Application for Adjacent Collocation, with the exception of modifications to Customer Information, Contact Information or Billing Contact Information, either at the request of NOS Communications, Inc. or necessitated by technical considerations, BellSouth will respond to the Bona Fide Application within thirty (30) business days after BellSouth receives such revised Application or at such other date as the Parties agree. If, at any time, BellSouth needs to reevaluate NOS Communications, Inc.'s Bona Fide Application as a result of changes requested by NOS Communications, Inc. to CLEC's original Application, then BellSouth will charge NOS Communications, Inc. a Subsequent Application Fee. Major changes such as requesting additional space or adding additional equipment may require NOS Communications, Inc. to resubmit the Application with an Application Fee.

6.4.5 Application Modifications (Louisiana). If a modification or revision is made to any information in the Bona Fide Application for Physical Collocation or the Bona Fide Application for Adjacent Collocation, with the exception of modifications to Customer Information, Contact Information or Billing Contact Information, either at the request of NOS Communications, Inc. or necessitated by technical considerations, BellSouth will respond to the Bona Fide Application within thirty (30) calendar days after BellSouth receives such revised application or at such other date as the Parties agree. BellSouth will respond to such modifications or revisions within 30 calendar days for one to ten revised Applications; 35 calendar days for eleven to twenty revised Applications; and for requests of more than twenty revised Applications it is increased by five calendar days for every five revised Applications received within five business days. If, at any time, BellSouth needs to reevaluate NOS Communications, Inc.'s Bona Fide Application as a result of changes requested by NOS Communications, Inc. to CLEC's original application, then BellSouth will charge NOS Communications, Inc. a Subsequent Application Fee. Major changes such as requesting additional space or adding additional equipment may require NOS Communications, Inc. to resubmit the application with an Application Fee.

6.5 Bona Fide Firm Order. In Alabama, North Carolina, and Tennessee, NOS Communications, Inc. shall indicate its intent to proceed with equipment installation in a BellSouth Premises by submitting a Physical Expanded Interconnection Firm Order document ("Firm Order") to BellSouth. A Firm Order shall be considered Bona Fide

when NOS Communications, Inc. has completed the Application/Inquiry process described in Section 6.2, preceding, and has submitted the Firm Order document indicating acceptance of the Application Response provided by BellSouth. The Bona Fide Firm Order must be received by BellSouth no later than seven (7) calendar days after BellSouth's Application Response to NOS Communications, Inc.'s Bona Fide Application, unless BellSouth provides an Application Response on or before the ten-day response interval set forth in section 2.1, in which case NOS Communications, Inc. must submit its Bona Fide Firm Order to BellSouth within seventeen (17) calendar days of BellSouth's receipt of the Bona Fide Application. If NOS Communications, Inc. fails to submit its Bona Fide Firm Order to BellSouth within the time frames set forth above, the provisioning intervals set forth in section 6.6 shall apply from the date of receipt of the Bona Fide Firm Order and not from the date of the Bona Fide Application. If NOS Communications, Inc. fails to submit a Bona Fide Firm Order within fifteen (15) days of receipt of An Application Response, the Application will expire.

6.5.1 Bona Fide Firm Order. Except as otherwise provided, in all States that have ordered provisioning intervals but not addressed Firm Order intervals, the following shall apply. NOS Communications, Inc. shall indicate its intent to proceed with equipment installation in a BellSouth Premises by submitting a Physical Expanded Interconnection Firm Order document ("Firm Order") to BellSouth. A Firm Order shall be considered Bona Fide when NOS Communications, Inc. has completed the Application/Inquiry process described in Section 6.2, preceding and has submitted the Firm Order document indicating acceptance of the Application Response provided by BellSouth. The Bona Fide Firm Order must be received by BellSouth no later than thirty (30) calendar days after BellSouth's Application Response to NOS Communications, Inc.'s Bona Fide Application or the Application will expire.

6.5.2 Bona Fide Firm Order (Kentucky & Mississippi). NOS Communications, Inc. shall indicate its intent to proceed with equipment installation in a BellSouth Premises by submitting a Physical Expanded Interconnection Firm Order document ("Firm Order") to BellSouth. A Firm Order shall be considered Bona Fide when NOS Communications, Inc. has completed the Application/Inquiry process described in Section 6.2, preceding and has submitted the Firm Order document indicating acceptance of the Application Response provided by BellSouth. The Bona Fide Firm Order must be received by BellSouth no later than thirty (30) calendar days (in Mississippi 30 business days) after BellSouth's Application Response to NOS Communications, Inc.'s Bona Fide Application or the Application will expire.

6.5.3 BellSouth will establish a firm order date based upon the date BellSouth is in receipt of a Bona Fide Firm Order. BellSouth will acknowledge the receipt of NOS Communications, Inc.'s Bona Fide Firm Order within seven (7) calendar days of receipt indicating that the Bona Fide Firm Order has been received. A BellSouth response to a Bona Fide Firm Order will include a Firm Order Confirmation containing the firm order date. No revisions will be made to a Bona Fide Firm Order.

6.5.4 BellSouth will permit one accompanied site visit to NOS Communications, Inc.'s designated collocation arrangement location after receipt of the Bona Fide Firm Order without charge to NOS Communications, Inc..

6.5.5 NOS Communications, Inc. must submit to BellSouth the completed Access Control Request Form for all employees or agents requiring access to the BellSouth Premises a minimum of 30 calendar days prior to the date NOS Communications, Inc. desires access to the Collocation Space. NOS Communications, Inc. may submit such a request at any time subsequent to BellSouth's receipt of the Bona Fide Firm Order. In the event NOS Communications, Inc. desires access to the Collocation Space after submitting such a request but prior to access being approved, BellSouth shall permit NOS Communications, Inc. to access the Collocation Space, accompanied by a security escort at NOS Communications, Inc.'s expense. NOS Communications, Inc. must request escorted access at least three (3) business days prior to the date such access is desired.

6.6

6.6.1 Construction and Provisioning Interval. In Alabama, North Carolina, and Tennessee, BellSouth will complete construction for collocation arrangements within a maximum of 90 calendar days from receipt of an Application or as agreed to by the Parties. Under extraordinary conditions, BellSouth may elect to renegotiate an alternative provisioning interval with NOS Communications, Inc. or seek a waiver from this interval from the Commission. Examples of extraordinary conditions include, but are not limited to, extended license or permitting intervals; major BellSouth equipment rearrangement or addition; power plant addition or upgrade; major mechanical addition or upgrade; major upgrade for ADA compliance; environmental hazard or hazardous materials abatement; and arrangements for which equipment shipping intervals are extraordinary in length.

6.6.2 Construction and Provisioning Interval (Florida). BellSouth will complete construction for collocation arrangements as soon as possible and within a maximum of 90 calendar days from receipt of a Bona Fide Firm Order or as agreed to by the Parties. For changes to collocation space after initial space completion, BellSouth will complete construction for collocation arrangements as soon as possible and within a maximum of 45 calendar days from receipt of a Bona Fide Firm Order or as agreed to by the Parties. If BellSouth does not believe that construction will be completed within the relevant time frame and BellSouth and NOS Communications, Inc. cannot agree upon a completion date, within 45 calendar days of receipt of the Bona Fide Firm Order for an initial request, and within 30 calendar days for Augmentations, BellSouth may seek an extension from the Florida PSC.

6.6.3 Construction and Provisioning Interval (Georgia). BellSouth will use best efforts to complete construction for caged collocation arrangements under ordinary conditions

as soon as possible and within a maximum of 90 calendar days from receipt of a Bona Fide Firm Order or as agreed to by the Parties. BellSouth will use best efforts to complete construction for cageless collocation arrangements under ordinary conditions as soon as possible and within a maximum of 60 calendar days from receipt of a Bona Fide Firm Order and 90 calendar days for extraordinary conditions or as agreed to by the Parties. Ordinary conditions are defined as space available with only minor changes to support systems required, such as but not limited to, HVAC, cabling and the power plant(s). Extraordinary conditions are defined to include but are not limited to major BellSouth equipment rearrangement or addition; power plant addition or upgrade; major mechanical addition or upgrade; major upgrade for ADA compliance; environmental hazard or hazardous materials abatement; and arrangements for which equipment shipping intervals are extraordinary in length. BellSouth may elect to renegotiate an alternative provisioning interval with NOS Communications, Inc. or seek a waiver from this interval from the Commission.

6.6.4 Construction and Provisioning Interval (Louisiana). BellSouth will complete construction for collocation arrangements under ordinary conditions as soon as possible and within a maximum of 120 calendar days from receipt of a Bona Fide Firm Order for an initial request, and within 60 calendar days for an Augmentation, or as agreed to by the Parties. Ordinary conditions are defined as space available with only minor changes to support systems required, such as but not limited to, HVAC, cabling and the power plant(s). BellSouth will complete construction of all other Collocation Space ("extraordinary conditions") within 180 calendar days of the receipt of a Bona Fide Firm Order. Examples of extraordinary conditions include but are not limited to, extended license or permitting intervals; major BellSouth equipment rearrangement or addition; power plant addition or upgrade; major mechanical addition or upgrade; major upgrade for ADA compliance; environmental hazard or hazardous materials abatement; and arrangements for which equipment shipping intervals are extraordinary in length. BellSouth may elect to renegotiate an alternative provisioning interval with NOS Communications, Inc. or seek a waiver from this interval from the Commission.

6.6.5 Construction and Provisioning Interval (Mississippi). Excluding the time interval required to secure the appropriate government licenses and permits, BellSouth will complete construction for collocation arrangements under ordinary conditions as soon as possible and within a maximum of 120 calendar days from receipt of a Bona Fide Firm Order or as agreed to by the Parties. Ordinary conditions are defined as space available with only minor changes to support systems required, such as but not limited to, HVAC, cabling and the power plant(s). Excluding the time interval required to secure the appropriate government licenses and permits, BellSouth will complete construction of all other Collocation Space ("extraordinary conditions") within 180 calendar days of the receipt of a Bona Fide Firm Order. Examples of extraordinary conditions include but are not limited to, extended license or permitting intervals; major BellSouth equipment rearrangement or addition; power plant addition or upgrade; major mechanical addition or upgrade; major upgrade for ADA compliance; environmental hazard or hazardous materials abatement; and arrangements for which equipment shipping intervals are extraordinary in length. BellSouth may elect to

renegotiate an alternative provisioning interval with NOS Communications, Inc. or seek a waiver from this interval from the Commission.

6.6.6 Construction and Provisioning Interval (Kentucky). Excluding the time interval required to secure the appropriate government licenses and permits, BellSouth will use best efforts to complete construction for collocation arrangements under ordinary conditions as soon as possible and within a maximum of 90 calendar days from receipt of a Bona Fide Firm Order or as agreed to by the Parties. Ordinary conditions are defined as space available with only minor changes to support systems required, such as but not limited to, HVAC, cabling and the power plant(s). Excluding the time interval required to secure the appropriate government licenses and permits, BellSouth will use best efforts to complete construction of all other Collocation Space ("extraordinary conditions") within 130 calendar days of the receipt of a Bona Fide Firm Order. Extraordinary conditions are defined to include but are not limited to major BellSouth equipment rearrangement or addition; power plant addition or upgrade; major mechanical addition or upgrade; major upgrade for ADA compliance; environmental hazard or hazardous materials abatement; and arrangements for which equipment shipping intervals are extraordinary in length. BellSouth may elect to renegotiate an alternative provisioning interval with NOS Communications, Inc. or seek a waiver from this interval from the Commission.

6.6.7 Construction and Provisioning Interval (South Carolina). BellSouth will complete the construction and provisioning activities for cageless and caged collocation arrangements as soon as possible, but no later than 90 calendar days from receipt of a bona fide firm order. BellSouth may elect to renegotiate an alternative provisioning interval with NOS Communications, Inc. or seek a waiver from this interval from the Commission.

6.7 Joint Planning. Joint planning between BellSouth and NOS Communications, Inc. will commence within a maximum of twenty (20) calendar days from BellSouth's receipt of a Bona Fide Firm Order. BellSouth will provide the preliminary design of the Collocation Space and the equipment configuration requirements as reflected in the Bona Fide Application and affirmed in the Bona Fide Firm Order. The Collocation Space completion time period will be provided to NOS Communications, Inc. during joint planning.

6.8 Permits. Each Party or its agents will diligently pursue filing for the permits required for the scope of work to be performed by that Party or its agents within ten (10) calendar days of the completion of finalized construction designs and specifications.

6.9 Acceptance Walk Through. NOS Communications, Inc. will contact BellSouth within seven (7) days of collocation space being ready to schedule an acceptance walk through of each Collocation Space requested from BellSouth by NOS Communications, Inc.. BellSouth will correct any deviations to NOS Communications, Inc.'s original or jointly amended requirements within seven (7)

calendar days after the walk through, unless the Parties jointly agree upon a different time frame.

6.10 Use of BellSouth Certified Supplier. NOS Communications, Inc. shall select a supplier which has been approved as a BellSouth Certified Supplier to perform all engineering and installation work. NOS Communications, Inc. and NOS Communications, Inc.'s BellSouth Certified Supplier must follow and comply with all BellSouth requirements outlined in BellSouth's TR 73503, TR 73519, TR 73572, and TR 73564. In some cases, NOS Communications, Inc. must select separate BellSouth Certified Suppliers for transmission equipment, switching equipment and power equipment. BellSouth shall provide NOS Communications, Inc. with a list of BellSouth Certified Suppliers upon request. The BellSouth Certified Supplier(s) shall be responsible for installing NOS Communications, Inc.'s equipment and components, extending power cabling to the BellSouth power distribution frame, performing operational tests after installation is complete, and notifying BellSouth's equipment engineers and NOS Communications, Inc. upon successful completion of installation, etc. The BellSouth Certified Supplier shall bill NOS Communications, Inc. directly for all work performed for NOS Communications, Inc. pursuant to this Attachment and BellSouth shall have no liability for nor responsibility to pay such charges imposed by the BellSouth Certified Supplier. BellSouth shall consider certifying NOS Communications, Inc. or any supplier proposed by NOS Communications, Inc.. All work performed by or for NOS Communications, Inc. shall conform to generally accepted industry guidelines and standards.

6.11 Alarm and Monitoring. BellSouth shall place environmental alarms in the Premises for the protection of BellSouth equipment and facilities. NOS Communications, Inc. shall be responsible for placement, monitoring and removal of environmental and equipment alarms used to service NOS Communications, Inc.'s Collocation Space. Upon request, BellSouth will provide NOS Communications, Inc. with applicable tariffed service(s) to facilitate remote monitoring of collocated equipment by NOS Communications, Inc.. Both Parties shall use best efforts to notify the other of any verified environmental hazard known to that Party.

6.12 Basic Telephone Service. Upon request of NOS Communications, Inc., BellSouth will provide basic telephone service to the Collocation Space under the rates, terms and conditions of the current tariff offering for the service requested.

6.13 Virtual to Physical Collocation Relocation. In the event physical Collocation Space was previously denied at a location due to technical reasons or space limitations, and that physical Collocation Space has subsequently become available, NOS Communications, Inc. may relocate its virtual collocation arrangements to physical collocation arrangements and pay the appropriate non-recurring fees for physical collocation and for the rearrangement or reconfiguration of services terminated in the virtual collocation arrangement, as outlined in the appropriate BellSouth tariffs. In the event that BellSouth knows when additional space for physical collocation may become available at the location requested by NOS Communications, Inc., such

information will be provided to NOS Communications, Inc. in BellSouth's written denial of physical collocation. To the extent that (i) physical Collocation Space becomes available to NOS Communications, Inc. within 180 calendar days of BellSouth's written denial of NOS Communications, Inc.'s request for physical collocation, (ii) BellSouth had knowledge that the space was going to become available, and (iii) NOS Communications, Inc. was not informed in the written denial that physical Collocation Space would become available within such 180 calendar days, then NOS Communications, Inc. may transition its virtual collocation arrangement to a physical collocation arrangement and will receive a credit for any nonrecurring charges previously paid for such virtual collocation. NOS Communications, Inc. must arrange with a BellSouth Certified Supplier for the relocation of equipment from its virtual Collocation Space to its physical Collocation Space and will bear the cost of such relocation.

6.14 Cancellation. If, at anytime prior to space acceptance, NOS Communications, Inc. cancels its order for the Collocation Space(s), NOS Communications, Inc. will reimburse BellSouth in the following manner: BellSouth will ascertain how far preparation work has progressed. NOS Communications, Inc. will be billed the applicable non recurring rate for any and all work processes for which work has begun.

6.15 Licenses. NOS Communications, Inc., at its own expense, will be solely responsible for obtaining from governmental authorities, and any other appropriate agency, entity, or person, all rights, privileges, and licenses necessary or required to operate as a provider of telecommunications services to the public or to occupy the Collocation Space.

6.16 Environmental Compliance. The Parties agree to utilize and adhere to the Environmental Hazard Guidelines identified as Exhibit B attached hereto.

## 7. Rates and Charges

7.1 BellSouth shall assess an Application Fee via a service order which shall be issued at the time BellSouth responds that space is available pursuant to section 2.1. Payment of said Application Fee will be due as dictated by NOS Communications, Inc.'s current billing cycle and is non-refundable.

7.2 Space Preparation. Space preparation fees consist of a nonrecurring charge for Firm Order Processing and monthly recurring charges for Central Office Modifications, assessed per arrangement, per square foot, and Common Systems Modifications, assessed per arrangement, per square foot for cageless and per cage for caged collocation. NOS Communications, Inc. shall remit payment of the nonrecurring Firm Order Processing Fee coincident with submission of a Bona Fide Firm Order. The recurring charges for space preparation apply beginning on the date on which BellSouth releases the Collocation Space for occupancy or on the date NOS

Communications, Inc. first occupies the Collocation Space, whichever is sooner. The charges recover the costs associated with preparing the Collocation Space, which includes survey, engineering of the Collocation Space, design and modification costs for network, building and support systems. In the event NOS Communications, Inc. opts for cageless space, the space preparation fees will be assessed based on the total floor space dedicated to NOS Communications, Inc. as prescribed in Section 7.7.

7.3 Space Preparation Fee in Florida. Space preparation fees include a nonrecurring charge for Firm Order Processing and monthly recurring charges for Central Office Modifications, assessed per arrangement, per square foot, and Common Systems Modifications, assessed per arrangement, per square foot for cageless and per cage for caged collocation. NOS Communications, Inc. shall remit payment of the nonrecurring Firm Order Processing Fee coincident with submission of a Bona Fide Firm Order. The recurring charges for space preparation apply beginning on the date on which BellSouth releases the Collocation Space for occupancy or on the date NOS Communications, Inc. first occupies the Collocation Space, whichever is sooner. The charges recover the costs associated with preparing the Collocation Space, which includes survey, engineering of the Collocation Space, design and modification costs for network, building and support systems. In the event NOS Communications, Inc. opts for cageless space, space preparation fees will be assessed based on the total floor space dedicated to NOS Communications, Inc. as prescribed in Section 7.7

7.4 Space Preparation Fee in Georgia. In Georgia, the Space Preparation Fee is a one-time fee, assessed per arrangement, per location. It recovers a portion of costs associated with preparing the Collocation Space, which includes survey, engineering of the Collocation Space, design and modification costs for network, power, building and support systems. This is a set fee of $100 per square foot as established by the Georgia Public Service Commission Order in Docket No. 7061-U. In the event NOS Communications, Inc. opts for non-enclosed space, the space preparation fee will be assessed based on the total floor space dedicated to NOS Communications, Inc. as prescribed in Section 7.7.

7.5 Space Preparation Fee in North Carolina. In North Carolina, space preparation fees consist of monthly recurring charges for Central Office Modifications, assessed per arrangement, per square foot; Common Systems Modifications, assessed per arrangement, per square foot for cageless and per cage for caged collocation; and Power, assessed per the nominal –48V DC ampere requirements specified by NOS Communications, Inc. on the Bona Fide Application. The space preparation charges apply beginning on the date on which BellSouth releases the Collocation Space for occupancy or on the date NOS Communications, Inc. first occupies the Collocation Space, whichever is sooner. The charges recover the costs associated with preparing the Collocation Space, which includes survey, engineering of the Collocation Space, design and modification costs for network, building and support systems. In the event NOS Communications, Inc. opts for cageless space, the space preparation fees will be assessed based on the total floor space dedicated to NOS Communications, Inc. as described in Section 7.7.

7.6 Cable Installation. Cable Installation Fee(s) are assessed per entrance cable placed.

7.7 Floor Space. The Floor Space Charge includes reasonable charges for lighting, HVAC, and other allocated expenses associated with maintenance of the Premises but does not recover any power-related costs incurred by BellSouth. When the Collocation Space is enclosed, NOS Communications, Inc. shall pay floor space charges based upon the number of square feet so enclosed. When the Collocation Space is not enclosed, NOS Communications, Inc. shall pay floor space charges based upon the following floor space calculation: [(depth of the equipment lineup in which the rack is placed) + (0.5 x maintenance aisle depth) + (0.5 x wiring aisle depth)] X (width of rack and spacers). For purposes of this calculation, the depth of the equipment lineup shall consider the footprint of equipment racks plus any equipment overhang. BellSouth will assign unenclosed Collocation Space in conventional equipment rack lineups where feasible. In the event NOS Communications, Inc.'s collocated equipment requires special cable racking, isolated grounding or other treatment which prevents placement within conventional equipment rack lineups, NOS Communications, Inc. shall be required to request an amount of floor space sufficient to accommodate the total equipment arrangement. Floor space charges are due beginning with the date on which BellSouth releases the Collocation Space for occupancy or on the date NOS Communications, Inc. first occupies the Collocation Space, whichever is sooner.

7.8 Power. BellSouth shall make available –48 Volt (-48V) DC power for NOS Communications, Inc.'s Collocation Space at a BellSouth Power Board or BellSouth Battery Distribution Fuse Bay ("BDFB") at NOS Communications, Inc.'s option within the Premises.

7.8.1 Recurring charges for -48V DC power will be assessed per ampere per month based upon the BellSouth Certified Supplier engineered and installed power feed fused ampere capacity. Rates include redundant feeder fuse positions (A&B) and common cable rack to NOS Communications, Inc.'s equipment or space enclosure. When obtaining power from a BDFB, fuses and power cables (A&B) must be engineered (sized), and installed by NOS Communications, Inc.'s BellSouth Certified Supplier. When obtaining power from a BellSouth power board, power cables (A&B) must be engineered (sized), and installed by NOS Communications, Inc.'s BellSouth Certified power Supplier. NOS Communications, Inc. is responsible for contracting with a BellSouth Certified Supplier for power distribution feeder cable runs from a BellSouth BDFB or power board to NOS Communications, Inc.'s equipment. Determination of the BellSouth BDFB or BellSouth power board as the power source will be made at BellSouth's sole, but reasonable, discretion. The BellSouth Certified Supplier contracted by NOS Communications, Inc. must provide BellSouth a copy of the engineering power specification prior to the day on which NOS Communications, Inc.'s equipment becomes operational ("Commencement Date"). BellSouth will provide the common power feeder cable support structure between the BellSouth BDFB or power board and NOS Communications, Inc.'s arrangement area. NOS Communications, Inc. shall contract with a BellSouth Certified Supplier who will be

responsible for the following: dedicated power cable support structure within NOS Communications, Inc.'s arrangement; power cable feeds; terminations of cable. Any terminations at a BellSouth power board must be performed by a BellSouth Certified power Supplier. NOS Communications, Inc. shall comply with all applicable National Electric Code (NEC), BellSouth TR73503, Telcordia (BellCore) and ANSI Standards regarding power cabling.

7.8.2 If BellSouth has not previously invested in power plant capacity for collocation at a specific site, NOS Communications, Inc. has the option to add its own dedicated power plant; provided, however, that such work shall be performed by a BellSouth Certified Supplier who shall comply with BellSouth's guidelines and specifications. Where the addition of NOS Communications, Inc.'s dedicated power plant results in construction of a new power plant room, upon termination of NOS Communications, Inc.'s right to occupy collocation space at such site, NOS Communications, Inc. shall have the right to remove its equipment from the power plant room, but shall otherwise leave the room intact.

7.8.3 If NOS Communications, Inc. elects to install its own DC Power Plant, BellSouth shall provide AC power to feed NOS Communications, Inc.'s DC Power Plant. Charges for AC power will be assessed per breaker ampere per month. Rates include the provision of commercial and standby AC power. When obtaining power from a BellSouth service panel, protection devices and power cables must be engineered (sized), and installed by NOS Communications, Inc.'s BellSouth Certified Supplier except that BellSouth shall engineer and install protection devices and power cables for Adjacent Collocation. NOS Communications, Inc.'s BellSouth Certified Supplier must also provide a copy of the engineering power specification prior to the Commencement Date. Charges for AC power shall be assessed pursuant to the rates specified in Exhibit A. AC power voltage and phase ratings shall be determined on a per location basis. At NOS Communications, Inc.'s option, NOS Communications, Inc. may arrange for AC power in an Adjacent Collocation arrangement from a retail provider of electrical power.

7.9 Security Escort. A security escort will be required whenever NOS Communications, Inc. or its approved agent desires access to the entrance manhole or must have access to the Premises after the one accompanied site visit allowed pursuant to Section 6.6.2 prior to completing BellSouth's Security Training requirements and/or prior to Space Acceptance. Rates for a security escort are assessed according to the schedule appended hereto as Exhibit A beginning with the scheduled escort time. BellSouth will wait for one-half (1/2) hour after the scheduled time for such an escort and NOS Communications, Inc. shall pay for such half-hour charges in the event NOS Communications, Inc. fails to show up.

7.10 Cable Record charges. These charges apply for work required to build cable records in company systems. The VG/DS0 per cable record charge is for a maximum of 3600 records. The Fiber cable record charge is for a maximum of 99 records.

7.11 Rate "True-Up". The Parties agree that the prices reflected as interim herein shall be "trued-up" (up or down) based on final prices either determined by further agreement or by an effective order, in a proceeding involving BellSouth before the regulatory authority for the state in which the services are being performed or any other body having jurisdiction over this Agreement (hereinafter "Commission"). Under the "true-up" process, the interim price for each service shall be multiplied by the volume of that service purchased to arrive at the total interim amount paid for that service ("Total Interim Price"). The final price for that service shall be multiplied by the volume purchased to arrive at the total final amount due ("Total Final Price"). The Total Interim Price shall be compared with the Total Final Price. If the Total Final Price is more than the Total Interim Price, NOS Communications, Inc. shall pay the difference to BellSouth. If the Total Final Price is less than the Total Interim Price, BellSouth shall pay the difference to NOS Communications, Inc.. Each Party shall keep its own records upon which a "true-up" can be based and any final payment from one Party to the other shall be in an amount agreed upon by the Parties based on such records. In the event of any disagreement as between the records or the Parties regarding the amount of such "true-up," the Parties agree that the Commission shall be called upon to resolve such differences.

7.12 Other. If no rate is identified in the contract, the rate for the specific service or function will be negotiated by the Parties upon request by either Party. Payment of all other charges under this Attachment shall be due as dictated by NOS Communications, Inc.'s current billing cycle. NOS Communications, Inc. will pay a late payment charge as specified in the current State Tariff.

## 8. Insurance

8.1 NOS Communications, Inc. shall, at its sole cost and expense, procure, maintain, and keep in force insurance as specified in this Section 8 and underwritten by insurance companies licensed to do business in the states applicable under this Attachment and having a Best's Insurance Rating of A-.

8.2 NOS Communications, Inc. shall maintain the following specific coverage:

8.2.1 Commercial General Liability coverage in the amount of ten million dollars ($10,000,000.00) or a combination of Commercial General Liability and Excess/Umbrella coverage totaling not less than ten million dollars ($10,000,000.00). BellSouth shall be named as an Additional Insured on the Commercial General Liability policy as specified herein.

8.2.2 Statutory Workers Compensation coverage and Employers Liability coverage in the amount of one hundred thousand dollars ($100,000.00) each accident, one hundred thousand dollars ($100,000.00) each employee by disease, and five hundred thousand dollars ($500,000.00) policy limit by disease.

8.2.3 All Risk Property coverage on a full replacement cost basis insuring all of NOS Communications, Inc.'s real and personal property situated on or within BellSouth's Central Office location(s).

8.2.4 NOS Communications, Inc. may elect to purchase business interruption and contingent business interruption insurance, having been advised that BellSouth assumes no liability for loss of profit or revenues should an interruption of service occur.

8.3 The limits set forth in Section 8.2 above may be increased by BellSouth from time to time during the term of this Attachment upon thirty (30) days notice to NOS Communications, Inc. to at least such minimum limits as shall then be customary with respect to comparable occupancy of BellSouth structures.

8.4 All policies purchased by NOS Communications, Inc. shall be deemed to be primary and not contributing to or in excess of any similar coverage purchased by BellSouth. All insurance must be in effect on or before the date equipment is delivered to BellSouth's Premises and shall remain in effect for the term of this Attachment or until all NOS Communications, Inc.'s property has been removed from BellSouth's Premises, whichever period is longer. If NOS Communications, Inc. fails to maintain required coverage, BellSouth may pay the premiums thereon and seek reimbursement of same from NOS Communications, Inc..

8.5 NOS Communications, Inc. shall submit certificates of insurance reflecting the coverage required pursuant to this Section a minimum of ten (10) business days prior to the commencement of any work in the Collocation Space. Failure to meet this interval may result in construction and equipment installation delays. NOS Communications, Inc. shall arrange for BellSouth to receive thirty (30) business days' advance notice of cancellation from NOS Communications, Inc.'s insurance company. NOS Communications, Inc. shall forward a certificate of insurance and notice of cancellation/non-renewal to BellSouth at the following address:

BellSouth Telecommunications, Inc.
Attn.: Risk Management Coordinator
17H53 BellSouth Center
675 W. Peachtree Street
Atlanta, Georgia 30375

8.6 NOS Communications, Inc. must conform to recommendations made by BellSouth's fire insurance company to the extent BellSouth has agreed to, or shall hereafter agree to, such recommendations.

8.7 Self-Insurance. If NOS Communications, Inc.'s net worth exceeds five hundred million dollars ($500,000,000), NOS Communications, Inc. may elect to request self-insurance status in lieu of obtaining any of the insurance required in Sections 8.2.1 and 8.2.2. NOS Communications, Inc. shall provide audited financial statements to BellSouth thirty (30) days prior to the commencement of any work in the Collocation

Space. BellSouth shall then review such audited financial statements and respond in writing to NOS Communications, Inc. in the event that self-insurance status is not granted to NOS Communications, Inc.. If BellSouth approves NOS Communications, Inc. for self-insurance, NOS Communications, Inc. shall annually furnish to BellSouth, and keep current, evidence of such net worth that is attested to by one of NOS Communications, Inc.'s corporate officers. The ability to self-insure shall continue so long as the NOS Communications, Inc. meets all of the requirements of this Section. If the NOS Communications, Inc. subsequently no longer satisfies this Section, NOS Communications, Inc. is required to purchase insurance as indicated by Sections 8.2.1 and 8.2.2.

8.8 The net worth requirements set forth in Section 8.7 may be increased by BellSouth from time to time during the term of this Attachment upon thirty (30) days' notice to NOS Communications, Inc. to at least such minimum limits as shall then be customary with respect to comparable occupancy of BellSouth structures.

8.9 Failure to comply with the provisions of this Section will be deemed a material breach of this Attachment.

## 9. Mechanics Liens

9.1 If any mechanics lien or other liens shall be filed against property of either Party (BellSouth or NOS Communications, Inc.), or any improvement thereon by reason of or arising out of any labor or materials furnished or alleged to have been furnished or to be furnished to or for the other Party or by reason of any changes, or additions to said property made at the request or under the direction of the other Party, the other Party directing or requesting those changes shall, within thirty (30) business days after receipt of written notice from the Party against whose property said lien has been filed, either pay such lien or cause the same to be bonded off the affected property in the manner provided by law. The Party causing said lien to be placed against the property of the other shall also defend, at its sole cost and expense, on behalf of the other, any action, suit or proceeding which may be brought for the enforcement of such liens and shall pay any damage and discharge any judgment entered thereon.

## 10. Inspections

10.1 BellSouth may conduct an inspection of NOS Communications, Inc.'s equipment and facilities in the Collocation Space(s) prior to the activation of facilities between NOS Communications, Inc.'s equipment and equipment of BellSouth. BellSouth may conduct an inspection if NOS Communications, Inc. adds equipment and may otherwise conduct routine inspections at reasonable intervals mutually agreed upon by the Parties. BellSouth shall provide NOS Communications, Inc. with a minimum of forty-eight (48) hours or two (2) business days, whichever is greater, advance notice of all such inspections. All costs of such inspection shall be borne by BellSouth.

## 11. Security and Safety Requirements

11.1 The security and safety requirements set forth in this section are as stringent as the security requirements BellSouth maintains at its own premises either for their own employees or for authorized contractors. Only BellSouth employees, BellSouth Certified Contractors and authorized employees, authorized Guests, pursuant to Section 3.4, preceeding, or authorized agents of NOS Communications, Inc. will be permitted in the BellSouth Premises. NOS Communications, Inc. shall provide its employees and agents with picture identification which must be worn and visible at all times while in the Collocation Space or other areas in or around the Premises. The photo Identification card shall bear, at a minimum, the employee's name and photo, and the NOS Communications, Inc. name. BellSouth reserves the right to remove from its premises any employee of NOS Communications, Inc. not possessing identification issued by NOS Communications, Inc. or who have violated any of BellSouth's policies as outlined in the CLEC Security Training documents. NOS Communications, Inc. shall hold BellSouth harmless for any damages resulting from such removal of its personnel from BellSouth premises. NOS Communications, Inc. shall be solely responsible for ensuring that any Guest of NOS Communications, Inc. is in compliance with all subsections of this Section 11.

11.1.1 NOS Communications, Inc. will be required, at its own expense, to conduct a statewide investigation of criminal history records for each NOS Communications, Inc. employee being considered for work on the BellSouth Premises, for the states/counties where the NOS Communications, Inc. employee has worked and lived for the past five years. Where state law does not permit statewide collection or reportin. .n investigation of the applicable counties is acceptable. NOS Communications, Inc. shall not be required to perform this investigation if an affiliated company of NOS Communications, Inc. has performed an investigation of the NOS Communications, Inc. employee seeking access, if such investigation meets the criteria set forth above. This requirement will not apply if NOS Communications, Inc. has performed a pre-employment statewide investigation of criminal history records, or where state law does not permit an investigation of the applicable counties for the NOS Communications, Inc. employee seeking access, for the states/counties where the NOS Communications, Inc. employee has worked and lived for the past five years.

11.1.2 NOS Communications, Inc. will be required to administer to their personnel assigned to the BellSouth Premises security training either provided by BellSouth, or meeting criteria defined by BellSouth.

11.1.3 NOS Communications, Inc. shall not assign to the BellSouth Premises any personnel with records of felony criminal convictions. NOS Communications, Inc. shall not assign to the BellSouth Premises any personnel with records of misdemeanor convictions, except for misdemeanor traffic violations, without advising BellSouth of the nature and gravity of the offense(s). BellSouth reserves the right to refuse building access to any NOS Communications, Inc. personnel who have been identified to have misdemeanor criminal convictions. Notwithstanding the foregoing, in the event that

NOS Communications, Inc. chooses not to advise BellSouth of the nature and gravity of any misdemeanor conviction, NOS Communications, Inc. may, in the alternative, certify to BellSouth that it shall not assign to the BellSouth Premises any personnel with records of misdemeanor convictions (other than misdemeanor traffic violations).

11.1.4 NOS Communications, Inc. shall not knowingly assign to the BellSouth Premises any individual who was a former employee of BellSouth and whose employment with BellSouth was terminated for a criminal offense whether or not BellSouth sought prosecution of the individual for the criminal offense.

11.1.5 NOS Communications, Inc. shall not knowingly assign to the BellSouth Premises any individual who was a former contractor of BellSouth and whose access to a BellSouth Premises was revoked due to commission of a criminal offense whether or not BellSouth sought prosecution of the individual for the criminal offense.

11.1.6 For each NOS Communications, Inc. employee requiring access to a BellSouth Premises pursuant to this Attachment, NOS Communications, Inc. shall furnish BellSouth, prior to an employee gaining such access, a certification that the aforementioned background check and security training were completed. The certification will contain a statement that no felony convictions were found and certifying that the security training was completed by the employee. If the employee's criminal history includes misdemeanor convictions, NOS Communications, Inc. will disclose the nature of the convictions to BellSouth at that time. In the alternative, NOS Communications, Inc. may certify to BellSouth that it shall not assign to the BellSouth Premises any personnel with records of misdemeanor convictions other than misdemeanor traffic violations.

11.1.7 At BellSouth's request, NOS Communications, Inc. shall promptly remove from BellSouth's Premises any employee of NOS Communications, Inc. BellSouth does not wish to grant access to its premises 1) pursuant to any investigation conducted by BellSouth or 2) prior to the initiation of an investigation in the event that an employee of NOS Communications, Inc. is found interfering with the property or personnel of BellSouth or another CLEC, provided that an investigation shall promptly be commenced by BellSouth.

11.2 Notification to BellSouth. BellSouth reserves the right to interview NOS Communications, Inc.'s employees, agents, or contractors in the event of wrongdoing in or around BellSouth's property or involving BellSouth's or another CLEC's property or personnel, provided that BellSouth shall provide reasonable notice to NOS Communications, Inc.'s Security contact of such interview. NOS Communications, Inc. and its contractors shall reasonably cooperate with BellSouth's investigation into allegations of wrongdoing or criminal conduct committed by, witnessed by, or involving NOS Communications, Inc.'s employees, agents, or contractors. Additionally, BellSouth reserves the right to bill NOS Communications, Inc. for all reasonable costs associated with investigations involving its employees, agents, or contractors if it is established and mutually agreed in good faith that NOS

Communications, Inc.'s employees, agents, or contractors are responsible for the alleged act. BellSouth shall bill NOS Communications, Inc. for BellSouth property which is stolen or damaged where an investigation determines the culpability of NOS Communications, Inc.'s employees, agents, or contractors and where NOS Communications, Inc. agrees, in good faith, with the results of such investigation. NOS Communications, Inc. shall notify BellSouth in writing immediately in the event that the CLEC discovers one of its employees already working on the BellSouth premises is a possible security risk. Upon request of the other Party, the Party who is the employer shall discipline consistent with its employment practices, up to and including removal from BellSouth Premises, any employee found to have violated the security and safety requirements of this section. NOS Communications, Inc. shall hold BellSouth harmless for any damages resulting from such removal of its personnel from BellSouth premises.

11.3 Use of Supplies. Unauthorized use of telecommunications equipment or supplies by either Party, whether or not used routinely to provide telephone service (e.g. plug-in cards,) will be strictly prohibited and handled appropriately. Costs associated with such unauthorized use may be charged to the offending Party, as may be all associated investigative costs.

11.4 Use of Official Lines. Except for non-toll calls necessary in the performance of their work, neither Party shall use the telephones of the other Party on the BellSouth Premises. Charges for unauthorized telephone calls may be charged to the offending Party, as may be all associated investigative costs.

11.5 Accountability. Full compliance with the Security requirements of this section shall in no way limit the accountability of either Party to the other for the improper actions of its employees.

## 12. Destruction of Collocation Space

12.1 In the event a Collocation Space is wholly or partially damaged by fire, windstorm, tornado, flood or by similar causes to such an extent as to be rendered wholly unsuitable for NOS Communications, Inc.'s permitted use hereunder, then either Party may elect within ten (10) business days after such damage, to terminate occupancy of the damaged Collocation Space, and if either Party shall so elect, by giving the other written notice of termination, both Parties shall stand released of and from further liability under the terms hereof. If the Collocation Space shall suffer only minor damage and shall not be rendered wholly unsuitable for NOS Communications, Inc.'s permitted use, or is damaged and the option to terminate is not exercised by either Party, BellSouth covenants and agrees to proceed promptly without expense to NOS Communications, Inc., except for improvements not the property of BellSouth, to repair the damage. BellSouth shall have a reasonable time within which to rebuild or make any repairs, and such rebuilding and repairing shall be subject to delays caused by storms, shortages of labor and materials, government regulations, strikes, walkouts,

and causes beyond the control of BellSouth, which causes shall not be construed as limiting factors, but as exemplary only. NOS Communications, Inc. may, at its own expense, accelerate the rebuild of its collocated space and equipment provided however that a BellSouth Certified Contractor is used and the necessary space preparation has been completed. Rebuild of equipment must be performed by a BellSouth Certified Vendor. If NOS Communications, Inc.'s acceleration of the project increases the cost of the project, then those additional charges will be incurred by NOS Communications, Inc.. Where allowed and where practical, NOS Communications, Inc. may erect a temporary facility while BellSouth rebuilds or makes repairs. In all cases where the Collocation Space shall be rebuilt or repaired, NOS Communications, Inc. shall be entitled to an equitable abatement of rent and other charges, depending upon the unsuitability of the Collocation Space for NOS Communications, Inc.'s permitted use, until such Collocation Space is fully repaired and restored and NOS Communications, Inc.'s equipment installed therein (but in no event later than thirty (30) business days after the Collocation Space is fully repaired and restored). Where NOS Communications, Inc. has placed an Adjacent Arrangement pursuant to Section 3.5, NOS Communications, Inc. shall have the sole responsibility to repair or replace said Adjacent Arrangement provided herein. Pursuant to this section, BellSouth will restore the associated services to the Adjacent Arrangement.

## 13. Eminent Domain

13.1 If the whole of a Collocation Space or Adjacent Arrangement shall be taken by any public authority under the power of eminent domain, then this Attachment shall terminate with respect to such Collocation Space or Adjacent Arrangement as of the day possession shall be taken by such public authority and rent and other charges for the Collocation Space or Adjacent Arrangement shall be paid up to that day with proportionate refund by BellSouth of such rent and charges as may have been paid in advance for a period subsequent to the date of the taking. If any part of the Collocation Space or Adjacent Arrangement shall be taken under eminent domain, BellSouth and NOS Communications, Inc. shall each have the right to terminate this Attachment with respect to such Collocation Space or Adjacent Arrangement and declare the same null and void, by written notice of such intention to the other Party within ten (10) business days after such taking.

## 14. Nonexclusivity

14.1 NOS Communications, Inc. understands that this Attachment is not exclusive and that BellSouth may enter into similar agreements with other Parties. Assignment of space pursuant to all such agreements shall be determined by space availability and made on a first come, first served basis.

## EXHIBIT A: BELLSOUTH/NOS Communications, Inc. RATES – ALABAMA PHYSICAL COLLOCATION

**Rates marked with an asterisk (*) are interim and are subject to true-up**

| USOC | Rate Element Description | Unit | Recurring Rate (RC) | Non-Recurring Rate (NRC) |
|---|---|---|---|---|
| PE1BA | Application Fee | Per request | NA | $3,760.00 |
| | | | | |
| PE1CA | Subsequent Application Fee | Per request | NA | $3,134.00 Minimum |
| | | | | |
| | Space Preparation Fees | | | |
| PE1SJ | Firm Order Processing* | | | $1,211.00 |
| PE1SK | Central Office Modifications* | Per sq. ft. | $2.24 | |
| PE1SL | Common Systems Modifications – Cageless* | Per sq. ft. | $3.01 | |
| PE1SM | Common Systems Modifications – Caged* | Per cage | $102.16 | |
| | | | | |
| | Space Enclosure (100 sq. ft. minimum) | | | |
| PE1BW | Welded Wire-mesh | Per first 100 sq. ft. | $178.65 | NA |
| PE1CW | Welded Wire-mesh | Per add'l 50 sq. ft. | $17.52 | NA |
| | | | | |
| PE1PJ | Floor Space | Per sq. ft. | $3.68 | NA |
| | | | | |
| PE1BD | Cable Installation | Per cable | NA | $1,751.00 |
| | | | | |
| PE1PM | Cable Support Structure | Per entrance cable | $19.67 | NA |
| | | | | |
| | Power | | | |
| PE1PL | -48V DC Power* | Per amp | $9.00 | NA |
| PE1FB | 120V AC Power single phase* | Per breaker amp | $5.63 | - |
| PE1FD | 240V AC Power single phase* | Per breaker amp | $11.26 | - |
| PE1FE | 120V AC Power three phase* | Per breaker amp | $16.89 | - |
| PE1FG | 277 AC Power three phase* | Per breaker amp | $38.99 | - |
| | | | | |
| | Cross Connects | Per cross connect | | First/Add'l |
| PE1P2 | 2-wire | | $.031 | $33.68/$31.79 |
| PE1P4 | 4-wire | | $.062 | $33.63/$31.67 |
| PE1P1 | DS-1 | | $1.28 | $52.93/$39.87 |
| PE1P3 | DS-3 | | $16.27 | $51.99/$38.59 |
| PE1F2 | 2-fiber | | $3.23 | $52.00/$38.60 |
| PE1F4 | 4-fiber | | $5.73 | $64.54/$51.14 |

| ALABAMA (continued) | | | | |
|---|---|---|---|---|
| **USOC** | **Rate Element Description** | **Unit** | **Recurring Rate (RC)** | **Non-Recurring Rate (NRC)** |
| | | | | |
| PE1AX | Security Access System Security System* | Per central office | $52.27 | |
| PE1A1 | New Access Card Activation* | Per card | $.059 | $55.57 |
| PE1AA | Administrative change, existing card* | Per card | | $15.58 |
| PE1AR | Replace lost or stolen card* | Per card | | $45.56 |
| PE1AK | Initial Key | Per key | NA | $26.19 |
| PE1AL | Replace lost or stolen key | Per key | NA | $26.19 |
| | | | | |
| PE1SR | Space Availability Report* | Per premises requested | | $2,150.00 |
| | | | | |
| | POT Bay Arrangements *Prior to 6/1/99* | Per cross connect | | |
| PE1PE | 2-Wire Cross-Connect | | $0.08 | NA |
| PE1PF | 4-Wire Cross-Connect | | $0.17 | NA |
| PE1PG | DS1 Cross-Connect | | $0.69 | NA |
| PE1PH | DS3 Cross-Connect | | $4.74 | NA |
| PE1B2 | 2-Fiber Cross-Connect | | $32.02 | NA |
| PE1B4 | 4-Fiber Cross-Connect | | $40.48 | NA |
| | | | | |
| | Cable Records[1] | | | **Note 2**<br><br>Initial/Subsequent |
| PE1CR | Cable Records | Per request | NA | $1708/$1166 |
| PE1CD | VG/DS0 Cable | Per cable record | NA | $923.51/$923.51 |
| PE1CO | VG/DS0 Cable | Per each 100 pair | NA | $18.02/$18.02 |
| PE1C1 | DS1 | Per T1TIE | NA | $8.44/$8.44 |
| PE1C3 | DS3 | Per T3TIE | NA | $29.53/$29.53 |
| PE1CB | Fiber Cable | Per cable record | NA | $278.95/$278.95 |

| ALABAMA (continued) | | | | |
|---|---|---|---|---|
| USOC | Rate Element Description | Unit | Recurring Rate (RC) | Non-Recurring Rate (NRC) |
| | | | | |
| | Security Escort | Per half hr/add'l half hr | | |
| PE1BT | Basic Time | | NA | $33.85/$21.45 |
| PE1OT | Overtime | | NA | $44.09/$27.71 |
| PE1PT | Premium Time | | NA | $54.33/$33.96 |

**Note(s):**

N/A refers to rate elements which do not have a negotiated rate.

Note1: Cable records charges apply for work required to build cable records in company systems. The VG/DS0 per cable record charge is for a maximum of 3600 records. The Fiber cable record charge is for a maximum of 99 records.

Note 2: The initial charge applies when the cables are first installed and inventoried. The subsequent charge applies when additional cables are installed and inventoried at the same location.

## EXHIBIT A: BELLSOUTH/NOS Communications, Inc. RATES – FLORIDA PHYSICAL COLLOCATION

| USOC | Rate Element Description | Unit | Recurring Rate (RC) | Non-Recurring Rate (NRC) |
|---|---|---|---|---|
| PE1BA | Application Fee | Per request | | $3,791.00 |
| | | | | |
| PE1CA | Subsequent Application Fee | Per request | NA | $3,160.00 |
| | | | | |
| | Space Preparation Fees | | | |
| PE1SJ | Firm Order Processing | | | $1,211.00 |
| PE1SK | Central Office Modifications | Per sq. ft. | $2.58 | |
| PE1SL | Common Systems Modifications – Cageless | Per sq. ft. | $2.96 | |
| PE1SM | Common Systems Modifications – Caged | Per cage | $100.66 | |
| | | | | |
| | Space Enclosure (100 sq. ft. minimum) | | | |
| PE1BW | Wire Cage | Per first 100 sq. ft. | $205.93 | NA |
| PE1CW | Wire Cage | Per add'l 50 sq. ft. | $20.20 | NA |
| | | | | |
| PE1PJ | Floor Space | Per sq. ft. | $6.57 | NA |
| | | | | |
| PE1BD | Cable Installation | Per cable | | $1,826.00 |
| | | | | |
| PE1PM | Cable Support Structure | | $21.66 | NA |
| | | | | |
| | Power | | | |
| PE1PL | -48V DC Power | Per amp | $8.86 | NA |
| PE1FB | 120V AC Power single phase | Per breaker amp | $5.62 | - |
| PE1FD | 240V AC Power single phase | Per breaker amp | $11.26 | - |
| PE1FE | 120V AC Power three phase | Per breaker amp | $16.88 | - |
| PE1FG | 277 AC Power three phase | Per breaker amp | $38.98 | - |
| | | | | |
| | Cross Connects | | | First/Add'l |
| | 2-wire | Per cross connect | $.074 | $34.53/$32.51 |
| | 4-wire | Per cross connect | $.148 | $34.54/$32.53 |
| | DS1 | Per cross connect | $1.29 | $54.15/$40.94 |
| | DS3 | Per cross connect | $17.48 | $53.28/$39.65 |
| | 2-fiber | Per cross connect | $2.96 | $53.28/$39.66 |
| | 4-fiber | Per cross connect | $5.66 | $66.08/$52.47 |

| FLORIDA (continued) | | | | |
|---|---|---|---|---|
| **USOC** | **Rate Element Description** | **Unit** | **Recurring Rate (RC)** | **Non-Recurring Rate (NRC)** |
| | | | | |
| PE1AX | Security Access System Security System | Per premises | $89.48 | |
| PE1A1 | New Access Card Activation | Per card | $.06 | $56.03 |
| PE1AA | Administrative change, existing card | Per card | | $15.71 |
| PE1AR | Replace lost or stolen card | Per card | | $45 93 |
| PE1AK | Initial Key | Per key | NA | $26.41 |
| PE1AL | Replace lost or stolen key | Per key | NA | $26.41 |
| | | | | |
| PE1SR | Space Availability Report | Per premises requested | | $2,168.00 |
| | | | | |
| | POT Bay **(Note 1)** | | NA | NA |
| | | | | |
| | Cable Records[2] | | | **Note 3** initial/subsequent |
| PE1CR | Cable Records | Per request | NA | $1709/$1166 |
| PE1CD | VG/DS0 Cable | Per cable record | NA | $923.86/$923.86 |
| PE1CO | VG/DS0 Cable | Per each 100 pair | NA | $18.03/$18.03 |
| PE1C1 | DS1 | Per T1TIE | NA | $8.44/$8.44 |
| PE1C3 | DS3 | Per T3TIE | NA | $29.54/$29.54 |
| PE1CB | Fiber Cable | Per cable record | NA | $279.05/$279.05 |
| | | | | |
| | Security Escort | Per ¼ hour | | |
| PE1BQ | Basic Time | | NA | $10.89 |
| PE1OQ | Overtime | | NA | $13.64 |
| PE1PQ | Premium Time | | NA | $16.40 |

**Note(s):**

N/A refers to rate elements which do not have a negotiated rate.

(1) **POT Bays**: BellSouth's Florida specific rates were established in the Florida Public Service Commission Docket No. 960833. The Commission did not set permanent rates for POT Bays, given the assumption by the Parties to the Proceeding that they will always provide their own POT Bays. It will be necessary for NOS Communications, Inc. to provide its own POT Bays per BellSouth specifications and provide the necessary information from which BellSouth can inventory.

(2) Cable records charges apply for work required to build cable records in company systems. The VG/DS0 per cable record charge is for a maximum of 3600 records. The Fiber cable record charge is for a maximum of 99 records.

(3) The initial charge applies when the cables are first installed and inventoried. The subsequent charge applies when additional cables are installed and inventoried at the same location.

## EXHIBIT A: BELLSOUTH/NOS Communications, Inc. RATES – GEORGIA PHYSICAL COLLOCATION

**Rates marked with an asterisk (*) are interim and subject to true-up**

| USOC | Rate Element Description | Unit | Recurring Rate (RC) | Non-Recurring Rate (NRC) |
|---|---|---|---|---|
| PE1BA | Application Fee | Per request | NA | $3,755.00 |
| | | | | |
| PE1CA | Subsequent Application Fee | Per request | NA | $3,130.00 Minimum |
| | | | | |
| PE1BB | Space Preparation Fee (**Note 2**) | Per sq. ft. | NA | $100.00 |
| | | | | |
| | Space Enclosure (100 sq. ft. minimum) | | | |
| PE1BW | Welded Wire-mesh | Per first 100 sq. ft. | $187.36 | NA |
| PE1CW | Welded Wire-mesh | Per add'l 50 sq. ft. | $18.38 | NA |
| | Floor Space | | | |
| PE1PJ | Zone A | Per sq. ft. | $4.47 | NA |
| PE1PK | Zone B | Per sq. ft. | $4.47 | NA |
| | | | | |
| PE1BD | Cable Installation | Per cable | NA | $1,693.00 |
| | | | | |
| PE1PM | Cable Support Structure | Per entrance cable | $19.26 | NA |
| | | | | |
| | Power | | | |
| PE1PL | -48V DC Power | Per amp | $5.00 | NA |
| PE1FB | 120V AC Power single phase* | Per breaker amp | $5.52 | - |
| PE1FD | 240V AC Power single phase* | Per breaker amp | $11.05 | - |
| PE1FE | 120V AC Power three phase* | Per breaker amp | $16.58 | - |
| PE1FG | 277 AC Power three phase* | Per breaker amp | $38.27 | - |
| | | | | |
| | Cross Connects | Per cross connect | | First/Add'l |
| PE1P2 | 2-wire | | $0.030 | $33.76/$31.86 |
| PE1P4 | 4-wire | | $0.061 | $33.77/$31.80 |
| PE1P1 | DS-1 | | $1.13 | $53.05/$39.99 |
| PE1P3 | DS-3 | | $14.43 | $52.14/$38.71 |
| PE1F2 | 2-fiber | | $2.86 | $52.14/$38.72 |
| PE1F4 | 4-fiber | | $5.08 | $64.74/$51.31 |

| GEORGIA (continued) | | | | |
|---|---|---|---|---|
| **USOC** | **Rate Element Description** | **Unit** | **Recurring Rate (RC)** | **Non-Recurring Rate (NRC)** |
| | | | | |
| PE1AX | Security Access System Security System* | Per premises | $40.00 | |
| PE1A1 | New Access Card Activation* | Per card | $.058 | $55.51 |
| PE1AA | Administrative change, existing card* | Per card | | $15.56 |
| PE1AR | Replace lost or stolen card* | Per card | | $45.50 |
| PE1AK | Initial Key | Per key | NA | $26.16 |
| PE1AL | Replace lost or stolen key | Per key | NA | $26.16 |
| | | | | |
| PE1SR | Space Availability Report* | Per premises requested | | $2,148.00 |
| | | | | |
| | POT Bay Arrangements *Prior to 6/1/99* | Per cross-connect | | |
| PE1PE | 2-Wire Cross-Connect | | $0.40 | NA |
| PE1PF | 4-Wire Cross-Connect | | $1.20 | NA |
| PE1PG | DS1 Cross-Connect | | $1.20 | NA |
| PE1PH | DS3 Cross-Connect | | $8.00 | NA |
| PE1B2 | 2 Fiber Cross-Connect | | $38.79 | NA |
| PE1B4 | 4 Fiber Cross-Connect | | $52.31 | NA |
| | | | | |
| | Cable Records[1] | | | **Note 2** Initial/subsequent |
| PE1CR | Cable Records | Per request | NA | $1706/$1164 |
| PE1CD | VG/DS0 Cable | Per cable record | NA | $922.38/$922.38 |
| PE1CO | VG/DS0 Cable | Per each 100 pair | NA | $18.00/$18.00 |
| PE1C1 | DS1 | Per T1TIE | NA | $8.43/$8.43 |
| PE1C3 | DS3 | Per T3TIE | NA | $29.49/$29.49 |
| PE1CB | Fiber Cable | Per cable record | NA | $278.61/$278.61 |
| | | | | |
| | Security Escort | Per half hr./Add'l half hr. | | |
| PE1BT | Basic Time | | NA | $33.81/$21.42 |
| PE1OT | Overtime | | NA | $44.03/$27.67 |
| PE1PT | Premium Time | | NA | $54.26/$33.92 |

N/A refers to rate elements which do not have a negotiated rate.

Note (1) Cable records charges apply for work required to build cable records in company systems. The VG/DS0 per cable record charge is for a maximum of 3600 records. The Fiber cable record charge is for a maximum of 99 records.

Note 2: The initial charge applies when the cables are first installed and inventoried. The subsequent charge applies when additional cables are installed and inventoried at the same location.

## EXHIBIT A: BELLSOUTH/NOS Communications, Inc. RATES – KENTUCKY PHYSICAL COLLOCATION

**Rates marked with an asterisk (*) are interim and are subject to true-up.**

| USOC | Rate Element Description | Unit | Recurring Rate (RC) | Non-Recurring Rate (NRC) |
|---|---|---|---|---|
| PE1BA | Application Fee | Per request | NA | $3,761.00 |
| | | | | |
| PE1CA | Subsequent Application Fee | Per request | NA | $3,135.00 Minimum |
| | | | | |
| | Space Preparation Fees | | | |
| PE1SJ | Firm Order Processing* | | | $1,202.00 |
| PE1SK | Central Office Modifications* | Per sq. ft. | $2.38 | |
| PE1SL | Common Systems Modifications – Cageless* | Per sq. ft. | $3.30 | |
| PE1SM | Common Systems Modifications – Caged* | Per cage | $112.11 | |
| | | | | |
| | Space Enclosure (100 sq. ft. minimum) | | | |
| PE1BW | Welded Wire-mesh | Per first 100 sq. ft. | $189.85 | NA |
| PE1CW | Welded Wire-mesh | Per add'l 50 sq. ft. | $18.62 | NA |
| | | | | |
| PE1PJ | Floor Space | Per sq. ft. | $8.20 | NA |
| | | | | |
| PE1BD | Cable Installation | Per cable | NA | $1,755.00 |
| | | | | |
| PE1PM | Cable Support Structure | Per entrance cable | $20.14 | NA |
| | | | | |
| | Power | | | |
| PE1PL | -48V DC Power* | Per amp | $8.77 | NA |
| PE1FB | 120V AC Power single phase* | Per breaker amp | $5.58 | - |
| PE1FD | 240V AC Power single phase* | Per breaker amp | $11.16 | - |
| PE1FE | 120V AC Power three phase* | Per breaker amp | $16.74 | - |
| PE1FG | 277 AC Power three phase* | Per breaker amp | $38.65 | - |
| | | | | |
| | Cross Connects | Per cross connect | | First/Add'l |
| PE1P2 | 2-wire | | $0.037 | $33.67/$31.78 |
| PE1P4 | 4-wire | | $0.075 | $33.66/$31.70 |
| PE1P1 | DS-1 | | $1.51 | $52.97/$39.90 |
| PE1P3 | DS-3 | | $19.15 | $52.04/$38.62 |
| PE1F2 | 2-fiber | | $3.80 | $52.04/$38.63 |
| PE1F4 | 4-fiber | | $6.75 | $64.59/$51.18 |

| KENTUCKY (continued) | | | | |
|---|---|---|---|---|
| **USOC** | **Rate Element Description** | **Unit** | **Recurring Rate (RC)** | **Non-Recurring Rate (NRC)** |
| | | | | |
| PE1AX | Security Access System Security System* | Per premises | $78.11 | |
| PE1A1 | New Access Card Activation | Per card | $.059 | $55.59 |
| PE1AA | Administrative change, existing card | Per card | | $15.59 |
| PE1AR | Replace lost or stolen card | Per card | | $45.58 |
| PE1AK | Initial Key | Per key | NA | $26.20 |
| PE1AL | Replace lost or stolen key | Per key | NA | $26.20 |
| | | | | |
| PE1SR | Space Availability Report | Per premises requested | | $2,151 |
| | | | | |
| | POT Bay Arrangements *Prior to 6/1/99* | Per cross-connect | | |
| PE1PE | 2-Wire Cross-Connect | | $0.06 | NA |
| PE1PF | 4-Wire Cross-Connect | | $0.15 | NA |
| PE1PG | DS1 Cross-Connect | | $0.58 | NA |
| PE1PH | DS3 Cross-Connect | | $4.51 | NA |
| PE1B2 | 2 Fiber Cross-Connect | | $38.79 | NA |
| PE1B4 | 4 Fiber Cross-Connect | | $52.31 | NA |
| | | | | |
| | Security Escort | Per half hr./Add'l half hr. | | |
| PE1BT | Basic Time | | NA | $33.86/$21.46 |
| PE1OT | Overtime | | NA | $44.10/$27.72 |
| PE1PT | Premium Time | | NA | $54.35/$33.97 |
| | | | | |
| | Cable Records[1] | | | **Note 2** Initial/subsequent |
| PE1CR | Cable Records | Per request | NA | $1709/1166 |
| PE1CD | VG/DS0 Cable | Per cable record | NA | $923.83/$923.83 |
| PE1CO | VG/DS0 Cable | Per each 100 pair | NA | $18.03/$18.03 |
| PE1C1 | DS1 | Per T1TIE | NA | $8.44/$8.44 |
| PE1C3 | DS3 | Per T3TIE | NA | $29.54/$29.54 |
| PE1CB | Fiber Cable | Per cable record | NA | $279.05/$279.05 |

**Note(s):**

N/A refers to rate elements which do not have a negotiated rate.

Note1: Cable records charges apply for work required to build cable records in company systems. The VG/DS0 per cable record charge is for a maximum of 3600 records. The Fiber cable record charge is for a maximum of 99 records.

Note 2: The initial charge applies when the cables are first installed and inventoried. The subsequent charge applies when additional cables are installed and inventoried at the same location.

## EXHIBIT A: BELLSOUTH/NOS Communications, Inc. RATES – LOUISIANA PHYSICAL COLLOCATION

**Rates marked with an asterisk (*) are interim and are subject to true-up.**

| USOC | Rate Element Description | Unit | Recurring Rate (RC) | Non-Recurring Rate (NRC) |
|---|---|---|---|---|
| PE1BA | Application Fee | Per request | NA | $3756.00 |
| | | | | |
| PE1CA | Subsequent Application Fee | Per request | NA | $3131.00 Minimum |
| | | | | |
| | Space Preparation Fees | | | |
| PE1SJ | Firm Order Processing* | | | $1,200.00 |
| PE1SK | Central Office Modifications* | Per sq. ft. | $2.60 | |
| PE1SL | Common Systems Modifications – Cageless* | Per sq. ft. | $3.15 | |
| PE1SM | Common Systems Modifications – Caged* | Per cage | $105.87 | |
| | | | | |
| | Space Enclosure (100 sq. ft. minimum) | | | |
| PE1BW | Welded Wire-mesh | Per first 100 sq. ft. | $207.06 | NA |
| PE1CW | Welded Wire-mesh | Per add'l 50 sq. ft. | $20.31 | NA |
| | | | | |
| PE1PJ | Floor Space | Per sq. ft. | $5.94 | NA |
| | | | | |
| PE1BD | Cable Installation | Per cable | NA | $1,753.00 |
| | | | | |
| PE1PM | Cable Support Structure | Per entrance cable | $21.16 | NA |
| | | | | |
| | Power | | | |
| PE1PL | -48V DC Power* | Per amp | $9.20 | NA |
| PE1FB | 120V AC Power single phase* | Per breaker amp | $5.66 | - |
| PE1FD | 240V AC Power single phase* | Per breaker amp | $11.34 | - |
| PE1FE | 120V AC Power three phase* | Per breaker amp | $17.00 | - |
| PE1FG | 277 AC Power three phase* | Per breaker amp | $39.26 | - |
| | | | | |
| | Cross Connects | Per cross connect | | First/Add'l |
| PE1P2 | 2-wire | | $0.036 | $33.61/$31.76 |
| PE1P4 | 4-wire | | $0.073 | $33.53/$31.58 |
| PE1P1 | DS-1 | | $1.20 | $52.80/$39.76 |
| PE1P3 | DS-3 | | $15.26 | $51.86/$38.49 |

| LOUISIANA (continued) | | | | |
|---|---|---|---|---|
| **USOC** | **Rate Element Description** | **Unit** | **Recurring Rate (RC)** | **Non-Recurring Rate (NRC)** |
| | Cross Connects (continued) | Per cross connect | | First/Add'l |
| PE1F2 | 2-fiber | | $3.03 | $51.86/$38.49 |
| PE1F4 | 4-fiber | | $5.38 | $64.36/$50.99 |
| | | | | |
| PE1AX | Security Access System Security System* | Per premises | $60.60 | |
| PE1A1 | New Access Card Activation* | Per card | $.060 | $55.51 |
| PE1AA | Administrative change, existing card* | Per card | | $15.57 |
| PE1AR | Replace lost or stolen card | Per card | | $45.51 |
| PE1AK | Initial Key | Per key | NA | $26.16 |
| PE1AL | Replace lost or stolen key | Per key | NA | $26.16 |
| | | | | |
| PE1SR | Space Availability Report* | Per premises requested | | $2,148 |
| | | | | |
| | POT Bay Arrangements *Prior to 6/1/99* | Per cross-connect | | |
| PE1PE | 2-Wire Cross-Connect | | $0.0776 | NA |
| PE1PF | 4-Wire Cross-Connect | | $0.1552 | NA |
| PE1PG | DS1 Cross-Connect | | $0.6406 | NA |
| PE1PH | DS3 Cross-Connect | | $4.75 | NA |
| PE1B2 | 2 Fiber Cross-Connect | | $47.44 | NA |
| PE1B4 | 4 Fiber Cross-Connect | | $63.97 | NA |
| | | | | |
| | Cable Records[1] | | | **Note 2** |
| | | | | Initial/subsequent |
| PE1CR | Cable Records | Per request | NA | $1706/$1165 |
| PE1CD | VG/DS0 Cable | Per cable record | NA | $922.51/$922.51 |
| PE1CO | VG/DS0 Cable | Per each 100 pair | NA | $18.00/$18.00 |
| PE1C1 | DS1 | Per T1TIE | NA | $8.43/$8.43 |
| PE1C3 | DS3 | Per T3TIE | NA | $29.49/$29.49 |
| PE1CB | Fiber Cable | Per cable record | NA | $278.65/$278.65 |

| LOUISIANA (continued) | | | | |
|---|---|---|---|---|
| **USOC** | **Rate Element Description** | **Unit** | **Recurring Rate (RC)** | **Non-Recurring Rate (NRC)** |
| | Security Escort | Per half hr./Add'l half hr. | | |
| PE1BT | Basic Time | | NA | $33.97/$21.53 |
| PE1OT | Overtime | | NA | $44.25/$27.81 |
| PE1PT | Premium Time | | NA | $54.53/$34.09 |

**Note(s):**

N/A refers to rate elements which do not have a negotiated rate.

Note1: Cable records charges apply for work required to build cable records in company systems. The VG/DS0 per cable record charge is for a maximum of 3600 records. The Fiber cable record charge is for a maximum of 99 records.

Note 2: The initial charge applies when the cables are first installed and inventoried. The subsequent charge applies when additional cables are installed and inventoried at the same location.

## EXHIBIT A: BELLSOUTH/NOS Communications, Inc. RATES – MISSISSIPPI PHYSICAL COLLOCATION

**Rates marked with an asterisk (*) are interim and are subject to true-up.**

| USOC | Rate Element Description | Unit | Recurring Rate (RC) | Non-Recurring Rate (NRC) |
|---|---|---|---|---|
| PE1BA | Application Fee | Per request | NA | $3,755.00 |
| | | | | |
| PE1CA | Subsequent Application Fee | Per request | NA | $3,130.00 Minimum |
| | | | | |
| | Space Preparation Fees | | | |
| PE1SJ | Firm Order Processing* | | | $1,200.00 |
| PE1SK | Central Office Modifications* | Per sq. ft. | $2.61 | |
| PE1SL | Common Systems Modifications – Cageless* | Per sq. ft. | $2.88 | |
| PE1SM | Common Systems Modifications – Caged* | Per cage | $97.85 | |
| | | | | |
| | Space Enclosure(100 sq. ft. minimum) | | | |
| PE1BW | Welded Wire-mesh | Per first 100 sq. ft. | $208.30 | NA |
| PE1CW | Welded Wire-mesh | Per add'l 50 sq. ft. | $20.43 | NA |
| | | | | |
| PE1PJ | Floor Space | Per sq. ft. | $6.53 | |
| | | | | |
| PE1BD | Cable Installation | Per cable | NA | $1,871.00 |
| | | | | |
| PE1PM | Cable Support Structure | Per entrance cable | $19.90 | NA |
| | | | | |
| | Power | | | |
| PE1PL | -48V DC Power* | Per amp | $8.96 | NA |
| PE1FB | 120V AC Power single phase* | Per breaker amp | $5.61 | - |
| PE1FD | 240V AC Power single phase* | Per breaker amp | $11.23 | - |
| PE1FE | 120V AC Power three phase* | Per breaker amp | $16.84 | - |
| PE1FG | 277 AC Power three phase* | Per breaker amp | $38.89 | - |
| | | | | |
| | Cross Connects | Per cross connect | | First/Add'l |
| PE1P2 | 2-wire | | $.038 | $33.65/$31.77 |
| PE1P4 | 4-wire | | $.076 | $33.46/$31.52 |

| MISSISSIPPI (continued) | | | | |
|---|---|---|---|---|
| **USOC** | **Rate Element Description** | **Unit** | **Recurring Rate (RC)** | **Non-Recurring Rate (NRC)** |
| | Cross Connects (continued) | Per cross connect | | First/Add'l |
| PE1P1 | DS-1 | | $1.30 | $52.73/$39.70 |
| PE1P3 | DS-3 | | $16.55 | $51.78/$38.43 |
| PE1F2 | 2-fiber | | $3.28 | $51.78/$38.43 |
| PE1F4 | 4-fiber | | $5.83 | $64.27/$50.91 |
| | | | | |
| | | | | |
| PE1AX | Security Access System Security System* | Per premises | $85.54 | |
| PE1A1 | New Access Card Activation* | Per card | $.061 | $55.50 |
| PE1AA | Administrative change, existing card* | Per card | | $15.56 |
| PE1AR | Replace lost or stolen card | Per card | | $45.50 |
| PE1AK | Initial Key | Per key | NA | $26.16 |
| PE1AL | Replace lost or stolen key | Per key | NA | $26.16 |
| | | | | |
| PE1SR | Space Availability Report* | Per premises requested | | $2,147.00 |
| | | | | |
| | POT Bay Arrangements *Prior to 6/1/99* | Per cross-connect | | |
| PE1PE | 2-Wire Cross-Connect | | $0.1195 | NA |
| PE1PF | 4-Wire Cross-Connect | | $0.2389 | NA |
| PE1PG | DS1 Cross-Connect | | $0.9862 | NA |
| PE1PH | DS3 Cross-Connect | | $5.81 | NA |
| PE1B2 | 2 Fiber Cross-Connect | | $38.79 | NA |
| PE1B4 | 4 Fiber Cross-Connect | | $52.31 | NA |
| | | | | |
| | Cable Records[1] | | | **Note 2** Initial/subsequent |
| PE1CR | Cable Records | Per request | NA | $1706/1164 |
| PE1CD | VG/DS0 Cable | Per cable record | NA | $922.28/$922.28 |
| PE1CO | VG/DS0 Cable | Per each 100 pair | NA | $18.00/$18.00 |
| PE1C1 | DS1 | Per T1TIE | NA | $8.42/$8.42 |
| PE1C3 | DS3 | Per T3TIE | NA | $29.49/$29.49 |
| PE1CB | Fiber Cable | Per cable record | NA | $278.58/$278.58 |

| MISSISSIPPI (continued) | | | | |
|---|---|---|---|---|
| **USOC** | **Rate Element Description** | **Unit** | **Recurring Rate (RC)** | **Non-Recurring Rate (NRC)** |
| | Security Escort | Per half hr./Add'l half hr. | | |
| PE1BT | Basic Time | | NA | $33.80/$21.42 |
| PE1OT | Overtime | | NA | $44.03/$27.67 |
| PE1PT | Premium Time | | NA | $54.26/$33.92 |

**Note(s):**

N/A refers to rate elements which do not have a negotiated rate.

Note1: Cable records charges apply for work required to build cable records in company systems. The VG/DS0 per cable record charge is for a maximum of 3600 records. The Fiber cable record charge is for a maximum of 99 records.

Note 2: The initial charge applies when the cables are first installed and inventoried. The subsequent charge applies when additional cables are installed and inventoried at the same location.

## EXHIBIT A: BELLSOUTH/NOS Communications, Inc. RATES – NORTH CAROLINA PHYSICAL COLLOCATION

**Rates marked with an asterisk (*) are interim and are subject to true-up.**

| USOC | Rate Element Description | Unit | Recurring Rate (RC) | Non-Recurring Rate (NRC) |
|---|---|---|---|---|
| PE1BA | Application Fee* | Per request | NA | $3,850.00 |
| | | | | |
| PE1CA | Subsequent Application Fee | Per request | NA | $3,119.00 Minimum |
| | | | | |
| | Space Preparation Fees | | | |
| | Central Office Modification* | Per sq. ft. | $1.57 | |
| | Common Systems Modification – Cageless* | Per sq. ft. | $3.26 | |
| | Common Systems Modification – Caged* | Per cage | $110.79 | |
| | Power* | Per nominal –48v DC Amp | $5.76 | |
| | | | | |
| | Space Enclosure (100 sq. ft. minimum) | | | |
| PE1BW | Welded Wire-mesh* | Per first 100 sq. ft. | $102.76 | NA |
| PE1CW | Welded Wire-mesh* | Per add'l 50 sq. ft. | $10.44 | NA |
| | | | | |
| PE1PJ | Floor Space* | Per sq. ft. | $3.45 | NA |
| | | | | |
| PE1BD | Cable Installation* | Per cable | NA | $2,305.00 |
| | | | | |
| PE1PM | Cable Support Structure* | Per entrance cable | $21.33 | NA |
| | | | | |
| | Power | | | |
| PE1PL | -48V DC Power* | Per amp | $6.65 | NA |
| PE1FB | 120V AC Power single phase* | Per breaker amp | $5.50 | - |
| PE1FD | 240V AC Power single phase* | Per breaker amp | $11.01 | - |
| PE1FE | 120V AC Power three phase* | Per breaker amp | $16.51 | - |
| PE1FG | 277 AC Power three phase* | Per breaker amp | $38.12 | - |
| | | | | |
| | Cross Connects **(Note 1)** | Per cross connect | | First/Add'l |
| PE1P2 | 2-wire* | | $0.32 | $41.78/$39.23 |
| PE1P4 | 4-wire* | | $0.64 | $41.91/$39.25 |
| PE1P1 | DS-1* | | $2.34 | $71.02/$51.08 |
| PE1P3 | DS-3* | | $42.84 | $69.84/$49.43 |
| PE1F2 | 2-fiber | | $2.94 | $51.97/$38.59 |
| PE1F4 | 4-fiber | | $5.62 | $64.53/$51.15 |

| NORTH CAROLINA (continued) | | | | |
|---|---|---|---|---|
| **USOC** | **Rate Element Description** | **Unit** | **Recurring Rate (RC)** | **Non-Recurring Rate (NRC)** |
| | | | | |
| PE1AX | Security Access System Security System* | Per premises | $41.03 | |
| PE1A1 | New Access Card Activation* | Per card | $.062 | $55.30 |
| PE1AA | Administrative change, existing card* | Per card | | $15.51 |
| PE1AR | Replace lost or stolen card | Per card | | $45.34 |
| PE1AK | Initial Key | Per key | NA | $26.18 |
| PE1AL | Replace lost or stolen key | Per key | NA | $26.18 |
| | | | | |
| PE1SR | Space Availability Report* | Per premises requested | | $2,140.00 |
| | | | | |
| | POT Bay Arrangements *Prior to 6/1/99* | Per cross-connect | | |
| PE1PE | 2-Wire Cross-Connect | | $0.10 | NA |
| PE1PF | 4-Wire Cross-Connect | | $0.19 | NA |
| PE1PG | DS1 Cross-Connect | | $0.79 | NA |
| PE1PH | DS3 Cross-Connect | | $4.85 | NA |
| PE1B2 | 2 Fiber Cross-Connect | | $45.30 | NA |
| PE1B4 | 4 Fiber Cross-Connect | | $61.09 | NA |
| | | | | |
| | Security Escort | Per half hr./Add'l half hr. | | |
| PE1BT | Basic Time | | NA | $42.92/$25.56 |
| PE1OT | Overtime | | NA | $54.51/$32.44 |
| PE1PT | Premium Time | | NA | $66.10/$39.32 |
| | | | | |
| | Cable Records[1] | | | **Note 2** Initial/subsequent |
| PE1CR | Cable Records | Per request | NA | $1707/$1165 |
| PE1CD | VG/DS0 Cable | Per cable record | NA | $923.08/$923.08 |
| PE1CO | VG/DS0 Cable | Per each 100 pair | NA | $18.02/$18.02 |
| PE1C1 | DS1 | Per T1TIE | NA | $8.43/$8.43 |
| PE1C3 | DS3 | Per T3TIE | NA | $29.51/$29.51 |
| PE1CB | Fiber Cable | Per cable record | NA | $278.82/$278.82 |

## EXHIBIT A: BELLSOUTH/NOS Communications, Inc. RATES – NORTH CAROLINA PHYSICAL COLLOCATION (continued)

**Note(s):**

N/A refers to rate elements which do not have a negotiated rate.

Note1: Cable records charges apply for work required to build cable records in company systems. The VG/DS0 per cable record charge is for a maximum of 3600 records. The Fiber cable record charge is for a maximum of 99 records.

Note 2: The initial charge applies when the cables are first installed and inventoried. The subsequent charge applies when additional cables are installed and inventoried at the same location.

## EXHIBIT A: BELLSOUTH/NOS Communications, Inc. RATES – SOUTH CAROLINA PHYSICAL COLLOCATION

**Rates marked with an asterisk (*) are interim and are subject to true-up.**

| USOC | Rate Element Description | Unit | Recurring Rate (RC) | Non-Recurring Rate (NRC) |
|---|---|---|---|---|
| PE1BA | Application Fee | Per request | NA | $3768.00 |
| | | | | |
| PE1CA | Subsequent Application Fee | Per request | NA | $3,141.00 Minimum |
| | | | | |
| | Space Preparation Fees | | | |
| PE1SJ | Firm Order Processing* | | | $1,204.00 |
| PE1SK | Central Office Modifications* | Per sq. ft. | $2.75 | |
| PE1SL | Common Systems Modifications – Cageless* | Per sq. ft. | $3.24 | |
| PE1SM | Common Systems Modifications – Caged* | Per cage | $110.17 | |
| | | | | |
| | Space Enclosure (100 sq. ft. minimum) | | | |
| PE1BW | Welded Wire-mesh | Per first 100 sq. ft. | $219.19 | NA |
| PE1CW | Welded Wire-mesh | Per add'l 50 sq. ft. | $21.50 | NA |
| | | | | |
| PE1PJ | Floor Space | Per sq. ft. | $3.95 | NA |
| | | | | |
| PE1BD | Cable Installation | Per cable | NA | $1,621.00 |
| | | | | |
| PE1PM | Cable Support Structure | Per entrance cable | $21.33 | NA |
| | | | | |
| | Power | | | |
| PE1PL | -48V DC Power* | Per amp | $9.19 | NA |
| PE1FB | 120V AC Power single phase* | Per breaker amp | $5.67 | - |
| PE1FD | 240V AC Power single phase* | Per breaker amp | $11.36 | - |
| PE1FE | 120V AC Power three phase* | Per breaker amp | $17.03 | - |
| PE1FG | 277 AC Power three phase* | Per breaker amp | $39.33 | - |
| | | | | |
| | Cross Connects | Per cross connect | | First/Add'l |
| PE1P2 | 2-wire | | $.034 | $33.75/$31.86 |
| PE1P4 | 4-wire | | $.068 | $33.71/$31.75 |
| PE1P1 | DS-1 | | $1.12 | $53.05/$39.96 |
| PE1P3 | DS-3 | | $14.21 | $52.11/$38.68 |
| PE1F2 | 2-fiber | | $2.82 | $52.11/$38.69 |
| PE1F4 | 4-fiber | | $5.01 | $64.69/$51.26 |

| SOUTH CAROLINA (continued) | | | | |
|---|---|---|---|---|
| **USOC** | **Rate Element Description** | **Unit** | **Recurring Rate (RC)** | **Non-Recurring Rate (NRC)** |
| | | | | |
| PE1AX | Security Access System Security System* | Per premises | $74.12 | |
| PE1A1 | New Access Card Activation* | Per card | $.060 | $55.70 |
| PE1AA | Administrative change, existing card* | Per card | | $15.62 |
| PE1AR | Replace lost or stolen card | Per card | | $45.66 |
| PE1AK | Initial Key | Per key | NA | $26.25 |
| PE1AL | Replace lost or stolen key | Per key | NA | $26.25 |
| | | | | |
| PE1SR | Space Availability Report* | Per premises requested | | $2,155.00 |
| | | | | |
| | POT Bay Arrangements *Prior to 6/1/99* | Per cross-connect | | |
| PE1PE | 2-Wire Cross-Connect | | $0.1091 | NA |
| PE1PF | 4-Wire Cross-Connect | | $0.2181 | NA |
| PE1PG | DS1 Cross-Connect | | $0.9004 | NA |
| PE1PH | DS3 Cross-Connect | | $5.64 | NA |
| PE1B2 | 2 Fiber Cross-Connect | | $37.36 | NA |
| PE1B4 | 4 Fiber Cross-Connect | | $50.38 | NA |
| | | | | |
| | Security Escort | Per half hr./Add'l half hr. | | |
| PE1BT | Basic Time | | NA | $33.92/$21.50 |
| PE1OT | Overtime | | NA | $44.19/$27.77 |
| PE1PT | Premium Time | | NA | $54.45/$34.04 |
| | | | | |
| | Cable Records[1] | | | **Note 2** |
| | | | | Initial/subsequent |
| PE1CR | Cable Records | Per request | NA | $1712/$1168 |
| PE1CD | VG/DS0 Cable | Per cable record | NA | $925.57/$925.57 |
| PE1CO | VG/DS0 Cable | Per each 100 pair | NA | $18.06/$18.06 |
| PE1C1 | DS1 | Per T1TIE | NA | $8.45/$8.45 |
| PE1C3 | DS3 | Per T3TIE | NA | $29.59/$29.59 |
| PE1CB | Fiber Cable | Per cable record | NA | $279.57/$279.57 |

## EXHIBIT A: BELLSOUTH/NOS Communications, Inc. RATES – SOUTH CAROLINA PHYSICAL COLLOCATION (continued)

**Note(s):**

N/A refers to rate elements which do not have a negotiated rate.

Note1: Cable records charges apply for work required to build cable records in company systems. The VG/DS0 per cable record charge is for a maximum of 3600 records. The Fiber cable record charge is for a maximum of 99 records.

Note 2: The initial charge applies when the cables are first installed and inventoried. The subsequent charge applies when additional cables are installed and inventoried at the same location.

## EXHIBIT A: BELLSOUTH/NOS Communications, Inc. RATES – TENNESSEE PHYSICAL COLLOCATION

**• Rates are interim and are subject to true-up.**

| USOC | Rate Element Description | Unit | Recurring Rate (RC) | Non-Recurring Rate (NRC) |
|---|---|---|---|---|
| PE1BA | Application Fee | Per request | NA | $3,767.00 |
| | | | | |
| PE1CA | Subsequent Application Fee | Per request | NA | $3,140.00 Minimum |
| | | | | |
| | Space Preparation Fees | | | |
| PE1SJ | Firm Order Processing* | | | $1,204.00 |
| PE1SK | Central Office Modifications* | Per sq. ft. | $2.74 | |
| PE1SL | Common Systems Modifications – Cageless* | Per sq. ft. | $2.95 | |
| PE1SM | Common Systems Modifications – Caged* | Per cage | $100.14 | |
| | | | | |
| | Space Enclosure (100 sq. ft. minimum) | | | |
| PE1BW | Welded Wire-mesh | Per first 100 sq. ft. | $218.53 | NA |
| PE1CW | Welded Wire-mesh | Per add'l 50 sq. ft. | $21.44 | NA |
| | | | | |
| PE1PJ | Floor Space | Per sq. ft. | $6.75 | NA |
| | | | | |
| PE1BD | Cable Installation | Per cable | NA | $1,757.00 |
| | | | | |
| PE1PM | Cable Support Structure | Per entrance cable | $19.80 | NA |
| | | | | |
| | Power | | | |
| PE1PL | -48V DC Power* | Per amp | $8.87 | NA |
| PE1FB | 120V AC Power single phase* | Per breaker amp | $5.60 | - |
| PE1FD | 240V AC Power single phase* | Per breaker amp | $11.22 | - |
| PE1FE | 120V AC Power three phase* | Per breaker amp | $16.82 | - |
| PE1FG | 277 AC Power three phase* | Per breaker amp | $38.84 | - |
| | | | | |
| | Cross Connects | Per cross connect | | First/Add'l |
| PE1P2 | 2-wire | | $0.033 | $33.82/$31.92 |
| PE1P4 | 4-wire | | $0.066 | $33.94/$31.95 |
| PE1P1 | DS-1 | | $1.51 | $53.27/$40.16 |
| PE1P3 | DS-3 | | $19.26 | $52.37/$38.89 |
| PE1F2 | 2-fiber | | $3.82 | $52.37/$38.89 |
| PE1F4 | 4-fiber | | $6.79 | $65.03/$51.55 |

| TENNESSEE (continued) | | | | |
|---|---|---|---|---|
| **USOC** | **Rate Element Description** | **Unit** | **Recurring Rate (RC)** | **Non-Recurring Rate (NRC)** |
| | | | | |
| PE1AX | Security Access System Security System | Per premises | $55.99 | |
| PE1A1 | New Access Card Activation | Per card | $.059 | $55.67 |
| PE1AA | Administrative change, existing card | Per card | | $15.61 |
| PE1AR | Replace lost or stolen card | Per card | | $45.64 |
| PE1AK | Initial Key | Per key | NA | $26.24 |
| PE1AL | Replace lost or stolen key | Per key | NA | $26.24 |
| | | | | |
| PE1SR | Space Availability Report* | Per premises requested | | $2,154.00 |
| | | | | |
| | POT Bay Arrangements *Prior to 6/1/99* | Per cross-connect | | |
| PE1PE | 2-Wire Cross-Connect | | $0.40 | NA |
| PE1PF | 4-Wire Cross-Connect | | $1.20 | NA |
| PE1PG | DS1 Cross-Connect | | $1.20 | NA |
| PE1PH | DS3 Cross-Connect | | $8.00 | NA |
| PE1B2 | 2 Fiber Cross-Connect | | $38.79 | NA |
| PE1B4 | 4 Fiber Cross-Connect | | $52.31 | NA |
| | | | | |
| | Security Escort | Per half hr./Add'l half hr. | | |
| PE1BT | Basic Time | | NA | $33.91/$21.49 |
| PE1OT | Overtime | | NA | $44.17/$27.76 |
| PE1PT | Premium Time | | NA | $54.42/$34.02 |
| | | | | |
| | Cable Records[1] | | | **Note 2** |
| | | | | Initial/subsequent |
| PE1CR | Cable Records | Per request | NA | $1711/$1168 |
| PE1CD | VG/DS0 Cable | Per cable record | NA | $925.06/$925.06 |
| PE1CO | VG/DS0 Cable | Per each 100 pair | NA | $18.05/$18.05 |
| PE1C1 | DS1 | Per T1TIE | NA | $8.45/$8.45 |
| PE1C3 | DS3 | Per T3TIE | NA | $29.57/$29.57 |
| PE1CB | Fiber Cable | Per cable record | NA | $279.42/$279.42 |

**Note(s):**

N/A refers to rate elements which do not have a negotiated rate.

Note1: Cable records charges apply for work required to build cable records in company systems. The VG/DS0 per cable record charge is for a maximum of 3600 records. The Fiber cable record charge is for a maximum of 99 records.

Note 2: The initial charge applies when the cables are first installed and inventoried. The subsequent charge applies when additional cables are installed and inventoried at the same location.

**EXHIBIT B**


# ENVIRONMENTAL AND SAFETY PRINCIPLES

The following principles provide basic guidance on environmental and safety issues when applying for and establishing Physical Collocation arrangements.

## 1. GENERAL PRINCIPLES

1.1 Compliance with Applicable Law. BellSouth and NOS Communications, Inc. agree to comply with applicable federal, state, and local environmental and safety laws and regulations including U.S. Environmental Protection Agency (USEPA) regulations issued under the Clean Air Act (CAA), Clean Water Act (CWA), Resource Conservation and Recovery Act (RCRA), Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), Superfund Amendments and Reauthorization Act (SARA), the Toxic Substances Control Act (TSCA), and OSHA regulations issued under the Occupational Safety and Health Act of 1970, as amended and NFPA and National Electrical Codes (NEC) and the NESC ("Applicable Laws"). Each Party shall notify the other if compliance inspections are conducted by regulatory agencies and/or citations are issued that relate to any aspect of this Attachment.

1.2 Notice. BellSouth and NOS Communications, Inc. shall provide notice to the other, including Material Safety Data Sheets (MSDSs), of known and recognized physical hazards or Hazardous Chemicals existing on site or brought on site. Each Party is required to provide specific notice for known potential Imminent Danger conditions. NOS Communications, Inc. should contact 1-800-743-6737 for BellSouth MSDS sheets.

1.3 Practices/Procedures. BellSouth may make available additional environmental control procedures for NOS Communications, Inc. to follow when working at a BellSouth Premises (See Section 2, below). These practices/procedures will represent the regular work practices required to be followed by the employees and contractors of BellSouth for environmental protection. NOS Communications, Inc. will require its contractors, agents and others accessing the BellSouth Premises to comply with these practices. Section 2 lists the Environmental categories where BST practices should be followed by CLEC when operating in the BellSouth Premises.

1.4 Environmental and Safety Inspections. BellSouth reserves the right to inspect the NOS Communications, Inc. space with proper notification. BellSouth reserves the right to stop any NOS Communications, Inc. work operation that imposes Imminent Danger to the environment, employees or other persons in the area or Facility.

1.5 Hazardous Materials Brought On Site. Any hazardous materials brought into, used, stored or abandoned at the BellSouth Premises by NOS Communications, Inc. are owned by NOS Communications, Inc.. NOS Communications, Inc. will indemnify BellSouth for claims, lawsuits or damages to persons or property caused by these

materials. Without prior written BellSouth approval, no substantial new safety or environmental hazards can be created by NOS Communications, Inc. or different hazardous materials used by NOS Communications, Inc. at BellSouth Facility. NOS Communications, Inc. must demonstrate adequate emergency response capabilities for its materials used or remaining at the BellSouth Facility.

1.6 Spills and Releases. When contamination is discovered at a BellSouth Premises, the Party discovering the condition must notify BellSouth. All Spills or Releases of regulated materials will immediately be reported by NOS Communications, Inc. to BellSouth.

1.7 Coordinated Environmental Plans and Permits. BellSouth and NOS Communications, Inc. will coordinate plans, permits or information required to be submitted to government agencies, such as emergency response plans, spill prevention control and countermeasures (SPCC) plans and community reporting. If fees are associated with filing, BellSouth and NOS Communications, Inc. will develop a cost sharing procedure. If BellSouth's permit or EPA identification number must be used, NOS Communications, Inc. must comply with all of BellSouth's permit conditions and environmental processes, including environmental "best management practices (BMP)" (see Section 2, below) and/or selection of BST disposition vendors and disposal sites.

1.8 Environmental and Safety Indemnification. BellSouth and NOS Communications, Inc. shall indemnify, defend and hold harmless the other Party from and against any claims (including, without limitation, third-party claims for personal injury or death or real or personal property damage), judgments, damages, (including direct and indirect damages, and punitive damages), penalties, fines, forfeitures, costs, liabilities, interest and losses arising in connection with the violation or alleged violation of any Applicable Law or contractual obligation or the presence or alleged presence of contamination arising out of the acts or omissions of the indemnifying Party, its agents, contractors, or employees concerning its operations at the Facility.

## 2. CATEGORIES FOR CONSIDERATION OF ENVIRONMENTAL ISSUES

When performing functions that fall under the following Environmental categories on BellSouth's Premises, NOS Communications, Inc. agrees to comply with the applicable sections of the current issue of BellSouth's Environmental and Safety Methods and Procedures (M&Ps), incorporated herein by this reference. NOS Communications, Inc. further agrees to cooperate with BellSouth to ensure that NOS Communications, Inc.'s employees, agents, and/or subcontractors are knowledgeable of and satisfy those provisions of BellSouth's Environmental M&Ps which apply to the specific Environmental function being performed by NOS Communications, Inc., its employees, agents and/or subcontractors.

The most current version of reference documentation must be requested from BellSouth.

| ENVIRONMENTAL CATEGORIES | ENVIRONMENTAL ISSUES | ADDRESSED BY THE FOLLOWING DOCUMENTATION |
|---|---|---|
| Disposal of hazardous material or other regulated material (e.g., batteries, fluorescent tubes, solvents & cleaning materials) | Compliance with all applicable local, state, & federal laws and regulations<br><br>Pollution liability insurance<br><br>EVET approval of contractor | • Std T&C 450<br>• Fact Sheet Series 17000<br><br>• Std T&C 660-3<br><br>• Approved Environmental Vendor List (Contact E/S Management) |
| Emergency response | Hazmat/waste release/spill firesafety emergency | • Fact Sheet Series 1700<br>• Building Emergency Operations Plan (EOP) (specific to and located on Premises) |
| Contract labor/outsourcing for services with environmental implications to be performed on BellSouth Premises (e.g., disposition of hazardous material/waste; maintenance of storage tanks) | Compliance with all applicable local, state, & federal laws and regulations<br><br>Performance of services in accordance with BST's environmental M&Ps<br><br>Insurance | • Std T&C 450<br><br>• Std T&C 450-B<br>• (Contact E/S for copy of appropriate E/S M&Ps.)<br><br>• Std T&C 660 |
| Transportation of hazardous material | Compliance with all applicable local, state, & federal laws and regulations<br><br>Pollution liability insurance<br><br>EVET approval of contractor | • Std T&C 450<br>• Fact Sheet Series 17000<br><br>• Std T&C 660-3<br><br>• Approved Environmental Vendor List (Contact E/S Management) |
| Maintenance/operations work which may produce a waste<br><br>Other maintenance work | Compliance with all application local, state, & federal laws and regulations<br><br>Protection of BST employees and equipment | • Std T&C 450<br><br>• 29CFR 1910.147 (OSHA Standard)<br>• 29CFR 1910 Subpart O (OSHA Standard) |
| Janitorial services | All waste removal and disposal must conform to all applicable | • P&SM Manager - Procurement |

| | | |
|---|---|---|
| | federal, state and local regulations<br><br>All Hazardous Material and Waste<br><br>Asbestos notification and protection of employees and equipment | Procurement<br><br>• Fact Sheet Series 17000<br><br>• GU-BTEN-001BT, Chapter 3<br>• BSP 010-170-001BS (Hazcom) |
| Manhole cleaning | Compliance with all applicable local, state, & federal laws and regulations<br><br>Pollution liability insurance<br><br>EVET approval of contractor | • Std T&C 450<br>• Fact Sheet 14050<br>• BSP 620-145-011PR Issue A, August 1996<br><br>• Std T&C 660-3<br><br>• Approved Environmental Vendor List (Contact E/S Management) |
| Removing or disturbing building materials that may contain asbestos | Asbestos work practices | • GU-BTEN-001BT, Chapter 3 |

## 3. DEFINITIONS

Generator. Under RCRA, the person whose act produces a Hazardous Waste, as defined in 40 CFR 261, or whose act first causes a Hazardous Waste to become subject to regulation. The Generator is legally responsible for the proper management and disposal of Hazardous Wastes in accordance with regulations.

Hazardous Chemical. As defined in the U.S. Occupational Safety and Health (OSHA) hazard communication standard (29 CFR 1910.1200), any chemical which is a health hazard or physical hazard.

Hazardous Waste. As defined in section 1004 of RCRA.

Imminent Danger. Any conditions or practices at a facility which are such that a danger exists which could reasonably be expected to cause immediate death or serious harm to people or immediate significant damage to the environment or natural resources.

Spill or Release. As defined in Section 101 of CERCLA.

## 4. ACRONYMS

E/S – Environmental/Safety

EVET - Environmental Vendor Evaluation Team

DEC LDEC - Department Environmental Coordinator/Local Department Environmental Coordinator

GU-BTEN-001BT - BellSouth Environmental Methods and Procedures

NESC - National Electrical Safety Codes

P&SM - Property & Services Management

Std. T&C - Standard Terms & Conditions