

**AMENDMENT
TO THE
AGREEMENT BETWEEN
MOMENTUM BUSINESS SOLUTIONS, INC.
AND
BELLSOUTH TELECOMMUNICATIONS, INC.
DATED MAY 5, 2000**

Pursuant to this Agreement, (the "Amendment"), Momentum Business Solutions, Inc. ("Momentum Business Solutions"), and BellSouth Telecommunications, Inc. ("BellSouth"), hereinafter referred to collectively as the "Parties," hereby agree to amend that certain Interconnection Agreement between the Parties dated May 5, 2000 ("Agreement").

WHEREAS, BellSouth and Momentum Business Solutions entered into the Agreement on May 5, 2000, and;

WHEREAS, the Parties desire to include in the agreement geographically deaveraged rates for unbundled loops pursuant to effective and applicable rules of the Federal Communications Commission;

NOW THEREFORE, in consideration of the mutual provisions contained herein and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Parties hereby covenant and agree as follows:

1. The Unbundled Network Element ("UNE") terms and conditions, Attachment 2 and the statewide UNE Loop and UNE Loop/Port Combination Rates in Attachment 2, Exhibit C of the Interconnection Agreement are hereby deleted and replaced in its entirety, as set forth in Attachment A of this Amendment.
- 1.2 The deaveraged rates, upon the execution of this Amendment, shall remain in effect from the effective date of this Amendment throughout the remaining term of the Agreement unless different deaveraged UNE Loop and/or Loop/Port Combination rates are established by a Commission proceeding (e.g. arbitration or generic UNE cost proceeding). In the event different deaveraged rates are established as the result of a Commission proceeding, the Parties shall amend the Agreement to incorporate such rates. The deaveraged rates shall become effective as of the effective date of such Commission order unless otherwise required by the Commission, and the rates set forth in this Amendment shall not be subject to true up.
2. All of the other provisions of the Agreement, dated May 5, 2000, shall remain in full force and effect.

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

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

Momentum Business Solutions, Inc.

By: _____

Name: Alan Creighton

Title: President and Chief Executive Officer

Date: _____

BellSouth Telecommunications, Inc.

By: _____

Name: Jerry Hendrix

Title: Senior Director

Date: _____

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 Momentum Business Solutions 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 D 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. These unbundled network elements will be consistent with the requirements of the FCC 319 rule. 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 Momentum Business Solutions to offer telecommunications service in the manner Momentum Business Solutions intends.
- 1.2.2 Except upon request by Momentum Business Solutions, 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 Momentum Business Solutions, and to the extent technically feasible, provide to Momentum Business Solutions access to its network elements for the provision of Momentum Business Solutions’ 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 Momentum Business Solutions may purchase network elements and other services from BellSouth for the purpose of combining such network elements in any manner Momentum Business Solutions 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 Momentum Business Solutions for combining to the designated Momentum Business Solutions collocation space. The network elements shall be provided as set forth in this Attachment.

- 1.5 BellSouth shall comply with the requirements as set forth in the technical references within Attachment 2 to the extent that they are consistent with the greater of BellSouth's actual performance or applicable industry standards.
- 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.
- 1.7 Momentum Business Solutions will adopt and adhere to the standards contained in the applicable CLEC Work Center Operational Understanding Agreement regarding maintenance and installation of service.
- 1.8 Standards for Network Elements
 - 1.8.1 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.
 - 1.8.2 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 that can be accessed via the CLEC’s network, or other mutually agreeable points, including but not limited to, smart jacks, for both voice and data.
- 2.1.3 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 component, that are not considered a part of the loop, and thus, have a separate charge.
- 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 Momentum Business Solutions advised.
- 2.1.6 “Order Coordination – Time Specific” refers to service order coordination in which Momentum Business Solutions 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. Momentum Business Solutions may specify a time between 9:00 a.m. and 4:00 p.m. (location time) Monday through Friday (excluding holidays). If Momentum Business Solutions 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.
- 2.1.7 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 Momentum Business

Solutions, expedite charges will apply for intervals less than 5 days. The charges outlined in BellSouth's FCC # 1 Tariff, Section 5, will apply. If Momentum Business Solutions 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.

- 2.1.8 If Momentum Business Solutions modifies an order after being sent a Firm Order Confirmation (FOC) from BellSouth, any costs incurred by BellSouth to accommodate the modification will be reimbursed by Momentum Business Solutions.
- 2.1.9 BellSouth will offer Unbundled Voice Loops (UVL) in two different service levels - Service Level One (SL1) and Service Level Two (SL2).
- 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 Momentum Business Solutions 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 Momentum Business Solutions, and will be provided with OC. The OC feature will allow Momentum Business Solutions 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).
- 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 Momentum Business Solutions 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.
- 2.1.14 Momentum Business Solutions will be responsible for testing and isolating troubles on the loops. Once Momentum Business Solutions has isolated a trouble to the BellSouth provided loop, Momentum Business Solutions 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 Momentum Business Solutions reports a trouble on SL1 loops and no trouble actually exists, BellSouth will charge Momentum Business Solutions for any dispatching and testing (both inside and outside the CO) required by BellSouth in order to confirm the loop's working status.
- 2.1.16 If Momentum Business Solutions reports a trouble on SL2 loops and no trouble actually exists, BellSouth will charge Momentum Business Solutions for any dispatching and testing, (outside the CO) required by BellSouth in order to confirm the loop's working status.
- 2.1.17 In addition to the UVLs and UDLs, BellSouth shall make available Unbundled Copper Loops (UCLs). 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, may have up to 6kft of bridged tap and will have up to 1300 ohms of resistance. The long UCL (beyond 18kft) will be any dry copper pair longer than 18kft and may have up to 12kft of bridged tap and up to 2800 ohms of resistance. Unbundled Loop Modifications (ULM) may be used when a CLEC wants to condition copper loops by removing load coils and other intervening equipment. In almost every case, the UCL long will require ULM to remove load coils. BST will only ensure electrical continuity and balance relative to tip and ring on UCLs.
- 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 copper loop and is not intended to support any particular telecommunications service. Momentum Business Solutions may use the UCL loop for a variety of services, including xDSL (e.g., ADSL and HDSL) services, by attaching appropriate terminal equipment of Momentum Business Solutions' choosing. Momentum Business Solutions 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 on UCL loops.

- 2.1.21 The UCL loop shall be provided to CLEC in accordance with BellSouth's Technical Reference 73600.
- 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 capable of supporting telecommunications services such as: POTS, Centrex, basic rate ISDN, analog PBX, voice grade private line, ADSL, HDSL, DS1 and digital data (up to 64 kb/s). 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 Momentum Business Solutions' request.
- 2.1.22.2 Momentum Business Solutions 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 2.1.3 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 Momentum Business Solutions will be consistent with industry standards and BellSouth's TR73600.
- 2.1.22.4 Momentum Business Solutions 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 Momentum Business Solutions 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 Momentum Business Solutions 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, Momentum Business Solutions will require access to a copper twisted pair loop unfettered by any intervening equipment (e.g., filters, load coils, range extenders, etc.), so that Momentum Business Solutions can use the loop for a variety of services by attaching appropriate terminal equipment at the ends. Momentum Business Solutions will determine the type of service that will be provided over the loop. In some cases, Momentum Business Solutions may be required to pay additional charges for the removal of certain types of equipment. BellSouth's Unbundled Loop Modifications (ULM) process will be used to determine the costs and feasibility of these activities.

2.1.22.6 In those cases where Momentum Business Solutions has requested that BellSouth modify a loop so that it no longer meets the technical parameters of the original loop type (e.g., voice grade, ISDN, ADSL, etc.) the resulting modified loop will be ordered and maintained as a UCL.

2.1.22.7 The loop shall be provided to Momentum Business Solutions in accordance with BellSouth's TR73600 Unbundled Local Loop Technical Specification and applicable industry standard technical references.

2.2 **Unbundled Loop Modifications (Line Conditioning)**

2.2.1 Subject to applicable and effective FCC rules and orders, BellSouth shall condition loops, as requested by Momentum Business Solutions, 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, load coils, bridge taps, low pass filters, and range extenders.

2.2.3 The Unbundled Loop Modifications (ULM) offering provides the following elements: 1) removal of equipment on loops less than 18kft, 2) removal of equipment of loops longer than (18kft), 3) removal of bridged-taps on loops of any length.

2.2.4 BellSouth shall recover the cost of line conditioning requested by Momentum Business Solutions 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 Momentum Business Solutions to order a contiguous local loop. To the extent it is technically feasible, these arrangements will provide Momentum Business Solutions 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. Momentum Business Solutions will then have the option of paying the one-time SC rates to place the loop facilities or Momentum Business Solutions may choose some other method of providing service to the end-user (e.g., Resale, private facilities, etc.).

2.4 Network Interface Device

2.4.1 Definition

The NID is defined as any means of interconnection of end-user customer inside wire 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.

2.4.2 BellSouth shall permit Momentum Business Solutions to connect Momentum Business Solutions' loop facilities the end-user's inside wire 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), Momentum Business Solutions may access the end user's wire by any of the following means: BellSouth shall allow Momentum Business Solutions 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. Momentum Business Solutions 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 the end user's inside wire is present and environmental conditions permit, either Party may remove the inside wire 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 inside wiring through a suitable "punch-out" hole of such NID enclosures; or

2.4.3.4 Request BellSouth to make other rearrangements to the inside wiring terminations or terminal enclosure on a time and materials cost basis to be charged to the requesting Party (i.e., Momentum Business Solutions, its agent, the building owner or the subscriber). 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 unless: (1) the applicable

Commission has expressly permitted the same; (2) the disconnecting Party provides prior notice to the other Party, and (3) the Party disconnecting appropriately caps off and guards the other Party's loops. It will be the CLEC's responsibility to ensure there is no safety hazard and will hold BellSouth harmless for any liability associated with the removal of the BellSouth loop from the BellSouth NID. In such cases, it shall be the responsibility of the disconnecting party, once the other Party's loop has been disconnected from the NID, to reconnect the disconnected loop to a nationally-recognized-testing-laboratory-listed station protector, which has been grounded as per Article 800 of the National Electrical Code. If CLEC does not wish to accept this responsibility, other options exist in which BellSouth installs a NID for the CLEC as a chargeable option.

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 Momentum Business Solutions 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 Momentum Business Solutions' 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. Momentum Business Solutions may request BellSouth do additional work to the NID in accordance with Section 2.4.3.8. When Momentum Business Solutions deploys its own local loops with respect to multiple-line termination devices, Momentum Business Solutions 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 Momentum Business Solutions 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 Momentum Business Solutions at Momentum Business Solutions' 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) and Unbundled Sub-loop Concentration (USLC) System. BellSouth shall provide non-discriminatory access, in accordance with 51.311 and Section 251(c) (3) of the Act, to the sub-loop. 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 Sub-loop 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 Sub-Loop Feeder.

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

2.7.1 Definition

- 2.7.1.1 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. The unbundled sub-loop distribution media is a copper twisted pair that can be

provisioned as a 2 Wire or 4 Wire facility. Following are the current sub-loop distribution offerings:

- 2.7.1.1.1 Voice grade Unbundled Sub-Loop Distribution (USL-D) is a sub-loop facility from the cross-box in the field up to and including the point of demarcation, at the end user's premises.
- 2.7.1.1.2 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 voice grade Unbundled Sub-Loop may have load coils, which are necessary for transmission of voice grade services.
- 2.7.1.1.3 Unbundled Copper Sub-Loop (UCSL) is a non-loaded copper facility of any length provided from the cross-box in the field up to and including the end-user's point of demarcation.
 - 2.7.1.1.3.1 If available, this facility will not have any intervening equipment such as load coils between the end-user and the cross-box.
- 2.7.2 If Momentum Business Solutions requests a UCSL and a non-loaded pair is not available, Momentum Business Solutions may order Unbundled Sub-Loop Modification to remove load coils and/or bridge tap from an existing sub-loop facility. If load coils are removed from an existing sub-loop, that sub-loop will be classified as a UCSL. Momentum Business Solutions may order Loop Make-up to determine what loop modifications will be required.
- 2.7.3 Unbundled Sub-Loop distribution facilities shall support functions associated with provisioning, maintenance and testing of the Unbundled Sub-Loop. For access to Voice Grade USL-D and UCSL, Momentum Business Solutions would be required to deliver a cable to the BellSouth remote terminal or cross-box in the field to provide continuity to Momentum Business Solutions' feeder facilities. This cable would be connected, by a BellSouth technician, within the BellSouth RT/cross-box during the set-up process. Momentum Business Solutions' cable pairs can then be connected to BellSouth's USL within the BellSouth cross-box by the BellSouth technician.
- 2.7.4 Unbundled Sub-Loop – Intrabuilding Network Cable (USL-INC) (a.k.a. riser cable) is the distribution facility inside a subscribers' building or between buildings on one customer's same premises (continuous property not separated by a public street or road). USL-INC includes the facility from the cross-connect device in the building equipment room up to and including the point of demarcation, at the end user's premises. 2.8.5 In a scenario that requires connection in a building equipment room, BellSouth will install a cross connect panel that will be installed for the purpose of accessing USL-INC pairs. The cross-connect panel will function as a single point of interconnection (SPOI) for USL-INC and will be accessible by multiple carriers as space permits. BellSouth will place

cross-connect blocks in 25 pair increments for Momentum Business Solutions' use on this cross-connect panel Momentum Business Solutions will be responsible for connecting its facilities to the 25 pair cross-connect block(s).

- 2.7.5 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 Momentum Business Solutions 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 Section 2.7.6. 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 2.8.6) to accommodate Momentum Business Solutions' request for Unbundled Sub-Loops, Momentum Business Solutions may request BellSouth's Special Construction (SC) process to determine additional costs required to provision the Unbundled Sub-Loops. Momentum Business Solutions will have the option of paying the SC charges to modify the BellSouth facilities.
- 2.7.6 Set-up work must be completed before Momentum Business Solutions can order sub-loop pairs. During the 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 and the connecting block(s) that will be used to provide access to the requested USLs.
- 2.7.6.1 Once the set-up is complete, the CLEC will request sub-loop pairs through submission of a Local Service Request (LSR) form to the Local Carrier Service Center (LCSC). Manual Order Coordination is required with USL pair provisioning and is in addition to the USL pair rate. For expedite requests by Momentum Business Solutions for sub-loop pairs, expedite charges will apply for intervals less than 5 days.
- 2.7.6.2 Unbundled Sub-Loop shall be equal to or better than each of the applicable requirements set forth in the applicable industry standard technical references.
- 2.7.6.3 Unbundled Sub-Loops will be provided in accordance with technical reference TR73600.
- 2.8 **Unbundled Network Terminating Wire (UNTW)**
- 2.8.1 BellSouth agrees to offer its Unbundled Network Terminating Wire (UNTW) to Momentum Business Solutions pursuant to the following terms and conditions at rates as set forth in this Attachment.
- 2.8.2 Definition

- 2.8.2.1 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. UNTW is the final portion of the loop owned by BellSouth.
- 2.8.3 Requirements
- 2.8.3.1 On a multi-unit premises where Provisioning Party owns the network terminating wire, and by request of Requesting Party, Provisioning Party will provide access to UNTW pairs on an Access Terminal that is suitable for use by multiple carriers at each Garden Terminal or Wiring Closet.
- 2.8.3.2 In new construction where possible, both Parties may at their option and with the property owner's agreement install their own Network Terminating Wire (NTW). In existing construction, the Provisioning Party shall not be required to install new or additional NTW beyond existing NTW to provision the services of the Requesting Party.
- 2.8.3.3 Upon notice from the Requesting Party to the Provisioning party that the Requesting Party desires access to the Provisioning Party's UNTW pairs in a multi-unit premises, representatives of both Parties will participate in a meeting at the site of the requested access. The purpose of the site visit will include discussion of the procedures for Access Terminal installation, location and addresses of the Access Terminals and to discuss an estimated completion date. Upon completion of site visit, the Requesting Party will submit a Service Inquiry (SI) to the person or organization designated by the Provisioning Party to receive the SI. The SI will initiate the work for the Provisioning Party to begin the Access Terminal installation. In multi-tenant unit (MTU) scenarios, Provisioning Party will provide access to UNTW pairs on an Access Terminal(s). By request of the Requesting Party, an Access Terminal will be installed either adjacent to each Provisioning Party's Garden Terminal or inside each Wiring Closet on the requested MTU. All the UNTW pairs served by a Garden Terminal/Wiring Closet will be made available on the Access Terminals. Requesting Party will deliver and connect its central office facilities to the UNTW pairs within the Access Terminal. Requesting Party may access any available pair on an Access Terminal unless the Provisioning Party or another service provider is using the pair to concurrently provide service. Prior to connecting Requesting Party's service on a pair previously used by Provisioning party, Requesting Party is responsible for ensuring the end-user is no longer using Provisioning Party's service or another CLEC's service before accessing UNTW pairs.
- 2.8.3.4 Provisioning Party will use best efforts to complete installation of the Access Terminals within 30 business days of the receipt by the Provisioning Party of the Service Inquiry from the Requesting Party.

- 2.8.3.5 Requesting Party is responsible for obtaining the property owner's permission for Provisioning Party to install an Access Terminal(s) on behalf of the Requesting Party. The submission of the SI by the Requesting Party will serve as certification by the Requesting Party that such permission has been obtained.
- 2.8.3.6 Requesting Party will be billed for non-recurring and recurring charges for accessing UNTW pairs at the time the Requesting Party activates the pair(s). Momentum Business Solutions will report use of the UNTW pairs on a Local Service Request (LSR) form submitted to BellSouth's Local Carrier Service Center (LCSC).
- 2.8.3.7 Requesting Party will isolate and report repair problems to the UNE center. Requesting Party must tag the UNTW pair that requires repair. If Provisioning Party dispatches a technician on a reported trouble call and no UNTW trouble is found, Provisioning Party will charge Requesting Party for time spent on the dispatch and testing the UNTW pair(s).
- 2.8.3.8 If Requesting Party initiates the Access Terminal installation and the Requesting Party has not activated at least one pair on the Access Terminal installed pursuant to Requesting Party's request for an Access Terminal within 6 months of installation of the Access Terminal, Provisioning Party will bill Requesting Party a non-recurring charge equal to the actual cost of provisioning the Access Terminal.
- 2.8.3.9 If Provisioning Party determines that Requesting Party is using the UNTW pairs without reporting such usage to BellSouth, the following charges shall apply in addition to any fines which may be established by state commissions and any other remedies at law or in equity available to the Provisioning Party:
- 2.8.3.10 If Requesting Party issued a LSR to disconnect an end-user from BellSouth in order to use a UNTW pair, Requesting Party will be billed for the use of the pair back to the disconnect order date.
- 2.8.3.11 If Requesting Party activated a UNTW pair on which Provisioning Party was not previously providing service, Requesting Party will be billed for the use of that pair back to the date the end-user began receiving service using that pair. Upon request, Requesting Party will provide copies of its billing record to substantiate such date. If Requesting Party fails to provide such records, then Provisioning Party will bill the Requesting Party back to the date of the Access Terminal installation.
- 2.9 **Unbundled Sub-Loop Concentration System (USLC)**
- 2.9.1 Where facilities permit and where necessary to comply with an effective Commission order, BellSouth will provide to Momentum Business Solutions with the ability to concentrate its sub-loops onto multiple DS1s back to the BellSouth

Central Office. The DS1s will then be terminated into Momentum Business Solutions' collocation space. TR-008 and TR303 interface standards are available.

- 2.9.2 USLC, using the Lucent Series 5 equipment, will be offered in two different systems. System A will allow up to 96 of Momentum Business Solutions' sub-loops to be concentrated onto multiple DS1s. System B will allow an additional 96 of Momentum Business Solutions' 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.
- 2.9.3 In these scenarios Momentum Business Solutions 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 Momentum Business Solutions' sub-loops to then be placed on the ULSC and transported to their collocation space at a DS1 level.
- 2.10 **Unbundled Sub-Loop Feeder**
- 2.10.1 Definition
- 2.10.1.1 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.
- 2.10.2 USLF is intended to be utilized for voice traffic and can be configured as 2-wire voice (USLF-2W/V) or 4-wire voice (USLF-4W/V).
- 2.10.3 USLF can also to be utilized for digital traffic and can be configured as 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/D0); or 4-wire DS1 & ISDN (USLF-4W/DI).
- 2.10.4 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 Momentum Business Solutions' loop distribution elements onto BellSouth's feeder system.
- 2.10.5 Requirements

- 2.10.5.1 Momentum Business Solutions 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 Momentum Business Solutions. Momentum Business Solutions will then have the option of paying the special construction charges or canceling the order.
- 2.10.5.2 USLF will be a designed circuit and BellSouth will provide a Design Layout Record (DLR) for this element.
- 2.10.5.3 BellSouth will provide USLF elements in accordance with applicable industry standards for these types of facilities. Where industry standards do not exist, BellSouth's TR73600 will be used to determine performance parameters.
- 2.11 **Dark Fiber**
- 2.11.1 Definition
- 2.11.1.1 Dark Fiber is optical transmission facilities without attached signal regeneration, multiplexing, aggregation or other electronics that connects two points within BellSouth's network. 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 to operationalize its transmission capabilities will be available..
- 2.11.2 Requirements
- 2.11.2.1 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 to use the fiber within a two –year planning period, there is no requirement to provide said fiber to Momentum Business Solutions.
- 2.11.2.2 If the requested dark fiber has any lightwave repeater equipment interspliced to it, BellSouth will remove such equipment at Momentum Business Solutions' request subject to time and materials charges.
- 2.11.2.3 Momentum Business Solutions may test the quality of the Dark Fiber to confirm its usability and performance specifications.
- 2.11.2.4 BellSouth shall use its best efforts to provide to Momentum Business Solutions 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 Momentum Business Solutions ("Request"). Within such time period, BellSouth shall send written confirmation of availability of the Dark Fiber ("Confirmation"). From the time of

the Request to forty-five (45) days after Confirmation, BellSouth shall hold such requested Dark Fiber for Momentum Business Solutions' use and may not allow any other party to use such media, including BellSouth.

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

2.11.2.6 Dark Fiber shall meet the manufacturer's design specifications.

2.11.2.7 Momentum Business Solutions may splice and test Dark Fiber obtained from BellSouth using Momentum Business Solutions or Momentum Business Solutions designated personnel. BellSouth shall provide appropriate interfaces to allow splicing and testing of Dark Fiber. BellSouth shall provide an excess cable length of 25 feet minimum (for fiber in underground conduit) to allow the uncoiled fiber to reach from the manhole to a splicing van.

2.12 **Rates**

The prices that Momentum Business Solutions shall pay to BellSouth for Network Elements and Other Services are set forth in Exhibit D to this Attachment.

2.13 **Operational Support Systems (OSS)**

2.13.1 BellSouth has developed and made available the following electronic interfaces by which Momentum Business Solutions may submit LSRs electronically.

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

2.13.2 LSRs submitted by means of one of these electronic 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, NC, SC	FL, KY, TN
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OSS LSR charge, per LSR received from the CLEC by one of the OSS interactive interfaces	\$3.50 SOME C	\$3.50 SOME C
Incremental charge per LSR received from the CLEC by means other than one of the OSS interactive interfaces	See applicable rate element	\$19.99 SOMAN

2.13.3 Denial/Restoral OSS Charge

2.13.3.1 In the event Momentum Business Solutions 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.

2.13.4 Cancellation OSS Charge

2.13.4.1 Momentum Business Solutions will incur an OSS charge for an accepted LSR that is later canceled by Momentum Business Solutions.

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

2.13.5 Network Elements and Other Services Manual Additive

2.13.5.1 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 D.

2.14 **Preordering Loop Makeup (LMU)**

2.14.1 Description of Service

2.14.1.1 BellSouth shall make available to Momentum Business Solutions loop makeup (LMU) data for BellSouth's network facilities. This section addresses LMU as a *preordering* transaction, distinct from Momentum Business Solutions ordering any other service(s). *Loop Makeup Service Inquiries (LMUSI) for preordering loop makeup* are likewise unique from other preordering functions with associated service inquiries (SI) as described in this Agreement.

2.14.1.2 BellSouth will provide Momentum Business Solutions 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 devices, feeder/distribution interfaces, bridge taps, load coils, pair-gain devices; the loop length; and the wire gauge. The LMUSI may be utilized by Momentum Business Solutions 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 Momentum Business Solutions and BellSouth shall not be liable in any way for the performance of the advanced data services provisioned over said loop.

- 2.14.1.3 BellSouth's LMU information is provided to Momentum Business Solutions 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 information provided.
- 2.14.1.4 Targeted deployment of this service commences in the month of July 2000 for manual LMU. Mechanized LMU is available for limited deployment at the end of July 2000 to those CLECs that have effective X-Digital Subscriber Line (xDSL) Beta Test Agreements in place with BellSouth.
- 2.14.2 Submitting Loop Makeup Service Inquiries
- 2.14.2.1 Momentum Business Solutions will be able to obtain LMU information by submitting a LMUSI mechanically or manually. **Mechanized** LMUSIs should be submitted through BellSouth's Operational Support Systems interfaces. After obtaining the resulting loop data from the mechanized LMUSI process, if Momentum Business Solutions determines that it needs further loop data information in order to make a determination of loop service capability, Momentum Business Solutions may initiate a separate manual SI for a separate nonrecurring charge as set forth in Section 2.14.3.
- 2.14.2.2 **Manual** LMUSIs shall be submitted on the preordering manual LMUSI 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 LMUSIs are not subject to expedite requests.
- 2.14.3 LMUSI Types & Associated Charges
- Momentum Business Solutions may request LMU information by submitting LMUSIs in accordance with the rate elements in Exhibit D.
- 2.14.3.1 Momentum Business Solutions will be assessed a nonrecurring charge for each facility queried as specified in the table above. 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 effective date of this Agreement.

- 2.14.3.2 Momentum Business Solutions may reserve facilities for up to four (4) days in connection with a LMUSI. Reserved facilities for which Momentum Business Solutions does not plan to place a UNE local service request (LSR) should be cancelled by Momentum Business Solutions. Should Momentum Business Solutions wish to cancel a reservation on a spare facility, the cancellation will require a facility reservation number (RESID/FRN).
- 2.14.3.3 The reservation holding timeframe is a maximum of four days from the time that BellSouth's LMU data is returned to Momentum Business Solutions for the facility queried. During this holding time and prior to Momentum Business Solutions' placing an LSR, the reserved facilities are rendered unavailable to other customers, whether for CLEC(s) or for BellSouth. Notwithstanding the foregoing, BellSouth does not guarantee that a reservation will assure Momentum Business Solutions' ability to order the exact facility reserved.
- 2.14.3.4 If Momentum Business Solutions 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.
- 2.14.3.5 Charges for preordering LMUSI are separate from any charges associated with ordering other services from BellSouth.
- 2.14.4 Ordering of Other UNE Services
- 2.14.4.1 Whenever Momentum Business Solutions has reserved a facility through BellSouth's preordering LMU service, should Momentum Business Solutions seek to place a subsequent UNE LSR on a reserved facility, Momentum Business Solutions shall provide BellSouth the RESID/FRN of the single spare facility on the appropriate UNE LSR. Momentum Business Solutions will be billed the appropriate rate element for the specific type UNE loop ordered by Momentum Business Solutions as set forth in this Attachment. Momentum Business Solutions will not be billed any additional Loop Makeup charges for the loop so ordered. Should Momentum Business Solutions choose to place a UNE LSR having previously submitted a request for *preordering LMU without a reservation*, Momentum Business Solutions will be billed the appropriate rate element for the specific UNE loop ordered as well as additional Loop Markup charges as set forth in this Attachment. Rates are provided in the UNE Rate Exhibits for Attachment 2.
- 2.14.4.2 Where Momentum Business Solutions submits an LSR to order facilities reserved during the LMUSI process, BellSouth will use its best efforts to assign to Momentum Business Solutions the facility reserved as indicated on the return of

the LMU. Multi-facility reservations per single RESID/FRN as provided with the mechanized LMUSI process are less likely to result in the specific assignment requested by Momentum Business Solutions. For those occasions when BellSouth's assignment system cannot assign the specific facility reserved by Momentum Business Solutions during the LMU pre-ordering transaction, BellSouth will assign to Momentum Business Solutions, subject to availability, a facility that meets the BellSouth technical standards of the BellSouth type loop as ordered by Momentum Business Solutions. If the ordered loop type is not available, Momentum Business Solutions may utilize the Unbundled Loop Modification process or the Special Construction process, as applicable, to obtain the loop type ordered.

- 2.14.4.3 BellSouth offers LMU information for the sole purpose of allowing Momentum Business Solutions to determine whether, in CLEC's judgment, BellSouth's loops will support the specific services that Momentum Business Solutions wishes to provide over those loops. Momentum Business Solutions 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 or the industry's standards and specifications for the intended type and level of service. Accordingly, Momentum Business Solutions shall be responsible for insuring that the specific loop type (ADSL, HDSL, or otherwise) ordered on the LSR matches the LMU of the facility requested. Momentum Business Solutions bears full responsibility for being knowledgeable of BellSouth's technical standards and the specifications of BellSouth's loops. Momentum Business Solutions bears full responsibility for making the appropriate ordering decisions of matching BellSouth loops with Momentum Business Solutions' equipment for accomplishing Momentum Business Solutions' end goal for the intended service it wishes to provide its end-user(s). Momentum Business Solutions is fully responsible for any of its service configurations that may differ from BellSouth's technical standard for the loop type ordered.

3. High Frequency Spectrum Network Element

3.1 General

- 3.1.1 BellSouth shall provide Momentum Business Solutions access to the high frequency portion of the local loop as an unbundled network element ("High Frequency Spectrum") at the rates set forth in Exhibit D. BellSouth shall provide Momentum Business Solutions with the High Frequency Spectrum irrespective of whether BellSouth chooses to offer xDSL services on the loop.
- 3.1.2 The High Frequency Spectrum is defined as the frequency range above the voiceband on a copper loop facility carrying analog circuit-switched voiceband transmissions. Access to the High Frequency Spectrum is intended to allow

Momentum Business Solutions the ability to provide Digital Subscriber Line (“xDSL”) data services to the end user for which BellSouth provides voice services. The High Frequency Spectrum shall be available for any version of xDSL presumed acceptable for deployment pursuant to 47 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. Momentum Business Solutions shall only use xDSL technology that is within the PSD mask parameters set forth in T1.413 or other applicable industry standards. Momentum Business Solutions shall provision xDSL service on the High Frequency Spectrum in accordance with the applicable Technical Specifications and Standards.

3.1.3 The following loop requirements are necessary for Momentum Business Solutions 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 Momentum Business Solutions 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 Momentum Business Solutions to provide xDSL-based services on the same loops the incumbent is providing analog voice service, regardless of loop length. BellSouth is not required to condition a loop for shared-line xDSL if conditioning of that loop significantly degrades BellSouth’s voice service. BellSouth shall charge, and Momentum Business Solutions 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 Momentum Business Solutions requests that BellSouth condition a loop longer than 18,000 ft. and such conditioning significantly degrades the voice services on the loop, Momentum Business Solutions shall pay for the loop to be restored to its original state.

3.1.4 Momentum Business Solutions’ termination point is the point of termination for Momentum Business Solutions on the toll main distributing frame in the central office (“Termination Point”). BellSouth will use jumpers to connect the Momentum Business Solutions’ connecting block to the splitter. The splitter will route the High Frequency Spectrum on the circuit to the Momentum Business Solutions’ xDSL equipment in the Momentum Business Solutions’ collocation space.

- 3.1.5 Momentum Business Solutions shall have access to the splitter for test purposes, irrespective of where the splitter is placed in the BellSouth premises.
- 3.2 Provisioning of High Frequency Spectrum and Splitter Space
- 3.2.1 BellSouth will provide Momentum Business Solutions with access to the High Frequency Spectrum as follows:
- 3.2.1.1 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, Momentum Business Solutions and other CLECs have developed a process for allocating the initial orders of splitters. BellSouth will install all splitters ordered on or before April 26, 2000, in accordance with the schedule set forth in Attachment 1 of this Agreement. Once all splitters ordered by all CLECs on or before April 26, 2000, have been installed, BellSouth will install splitters within forty-two (42) calendar days of Momentum Business Solutions’ 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 Momentum Business Solutions will reevaluate this forty-two (42) day interval on or before August 1, 2000.
- 3.2.1.2 After June 6, 2000, once a splitter is installed on behalf of Momentum Business Solutions in a central office, Momentum Business Solutions shall be entitled to order the High Frequency Spectrum on lines served out of that central office.
- 3.2.1.3 BellSouth will select, purchase, install, and maintain a central office POTS splitter and provide Momentum Business Solutions access to data ports on the splitter. In the event that BellSouth elects to use a brand of splitter other than Siecorm, the Parties shall renegotiate the recurring and non-recurring rates associated with the splitter. In the event the Parties cannot agree upon such rates, the then current rates (final or interim) for the Siecorm splitter shall be the interim rates for the new splitter. BellSouth will provide Momentum Business Solutions with a carrier notification letter at least 30 days before such change and shall work collaboratively with Momentum Business Solutions to select a mutually agreeable brand of splitter for use by BellSouth. Momentum Business Solutions shall thereafter purchase ports on the splitter as set forth more fully below.
- 3.2.1.4 BellSouth will install the splitter in (i) a common area close to the Momentum Business Solutions collocation area, if possible; or (ii) in a BellSouth relay rack as close to the Momentum Business Solutions 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 Momentum Business Solutions

DSO at such time that a Momentum Business Solutions end user's service is established.

- 3.2.1.5 The High Frequency Spectrum shall only be available on loops on which BellSouth is also providing, and continues to provide, analog voice service directly to the end user. In the event the end-user terminates its BellSouth provided voice service for any reason, and Momentum Business Solutions desires to continue providing xDSL service on such loop, Momentum Business Solutions shall be required to purchase the full stand-alone loop unbundled network element. However, if the end user terminates service with BellSouth because it is changing voice service to a voice providing CLEC, Momentum Business Solutions shall only be permitted to continue to use the loop if there is another loop physically available to the voice providing CLEC. In the event BellSouth disconnects the end-user's voice service pursuant to its tariffs or applicable law, and Momentum Business Solutions desires to continue providing xDSL service on such loop, Momentum Business Solutions shall be permitted to continue using the line by purchasing the full stand-alone loop unbundled network element. BellSouth shall give Momentum Business Solutions notice in a reasonable time prior to disconnect, which notice shall give Momentum Business Solutions an adequate opportunity to notify BellSouth of its intent to purchase such loop. The Parties shall work collaboratively towards the mode of notification and the time periods for notice. In those cases in which BellSouth no longer provides voice service to the end user and Momentum Business Solutions purchases the full stand-alone loop, Momentum Business Solutions may elect the type of loop it will purchase. Momentum Business Solutions will pay the appropriate recurring and non-recurring rates for such loop as set for in Attachment 2 of the Agreement. In the event Momentum Business Solutions purchases a voice grade loop, Momentum Business Solutions acknowledges that such loop may not remain xDSL compatible.
- 3.2.1.6 Momentum Business Solutions and BellSouth shall continue to work together collaboratively to develop systems and processes for provisioning the High Frequency Spectrum in various real life scenarios. BellSouth and Momentum Business Solutions agree that Momentum Business Solutions is entitled to purchase the High Frequency Spectrum on a loop that is provisioned over fiber fed digital loop carrier. BellSouth will provide Momentum Business Solutions with access to feeder sub-loops at UNE prices. BellSouth and Momentum Business Solutions will work together to establish methods and procedures for providing Momentum Business Solutions access to the High Frequency Spectrum over fiber fed digital loop carriers.
- 3.3 Only one competitive local exchange carrier shall be permitted access to the High Frequency Spectrum of any particular loop
- 3.3.1 To order High Frequency Spectrum on a particular loop, Momentum Business Solutions must have a DSLAM collocated in the central office that serves the end-

user of such loop. BellSouth will work collaboratively with Momentum Business Solutions to create a concurrent process that allows Momentum Business Solutions to order splitters in central offices where Momentum Business Solutions is in the process of obtaining collocation space and enables BellSouth to install such splitters before the end of Momentum Business Solutions' collocation provisioning interval. While that process is being developed, Momentum Business Solutions may order splitters in a central office once it has installed its Digital Subscriber Line Access Multiplexer ("DSLAM") in that central office. BellSouth will install these splitters within the interval provided in paragraph 3.2.1.1.

- 3.3.2 BellSouth will devise a splitter order form that allows Momentum Business Solutions to order splitter ports in increments of 24 or 96 ports.
- 3.3.2.1 BellSouth will provide Momentum Business Solutions the Local Service Request ("LSR") format to be used when ordering the High Frequency Spectrum.
- 3.3.3 BellSouth will initially provide access to the High Frequency Spectrum within the following intervals: Beginning on June 6, 2000, BellSouth will return a Firm Order Confirmation ("FOC") in no more than two (2) business days after receipt of a valid, error free LSR. BellSouth will provide Momentum Business Solutions with access to the High Frequency Spectrum as follows:
 - 3.3.3.1 For 1-5 lines at the same address within three (3) business days from the receipt of Momentum Business Solutions' FOC; 6-10 lines at same address within 5 business days from the receipt of Momentum Business Solutions' FOC; and more than 10 lines at the same address is to be negotiated. BellSouth and Momentum Business Solutions will re-evaluate these intervals on or before August 1, 2000.
 - 3.3.4 Momentum Business Solutions will initially use BellSouth's existing pre-qualification functionality and order processes to pre-qualify line and order the High Frequency Spectrum. Momentum Business Solutions 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 Momentum Business Solutions, by the fourth quarter of 2000, an electronic pre-ordering, ordering, provisioning, repair and maintenance and billing functionalities for the High Frequency Spectrum.
- 3.4 Maintenance and Repair
 - 3.4.1 Momentum Business Solutions shall have access, for test, repair, and maintenance purposes, to any loop as to which it has access to the High Frequency Spectrum. Momentum Business Solutions may access the loop at the point where the combined voice and data signal exits the central office splitter.

- 3.4.2 BellSouth will be responsible for repairing voice services and the physical line between the network interface device at the customer premise and the Termination Point of demarcation in the central office. Momentum Business Solutions will be responsible for repairing data services. Each Party will be responsible for maintaining its own equipment.
- 3.4.3 If the problem encountered appears to impact primarily the xDSL service, the end user should call Momentum Business Solutions. 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).
- 3.4.4 BellSouth and Momentum Business Solutions 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 Momentum Business Solutions 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.
- 3.4.5 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.
- 3.4.6 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.
- 3.4.7 In the event Momentum Business Solutions’ 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 Momentum Business Solutions and allow twenty-four (24) hours to cure the trouble. If Momentum Business Solutions fails to resolve the trouble, BellSouth may discontinue Momentum Business Solutions’ access to the High Frequency Spectrum on such loop.
- 3.5 Pricing
- 3.5.1 BellSouth and Momentum Business Solutions 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 Momentum Business Solutions' 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.

- 3.5.2 BellSouth and Momentum Business Solutions enter into this Agreement without waiving current or future relevant legal rights and without prejudicing any position BellSouth or Momentum Business Solutions 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 Momentum Business Solutions 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 Momentum Business Solutions might take before the FCC or any state public utility commission related to the terms and conditions under which BellSouth must provide Momentum Business Solutions 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. Switching

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

4.1 Local Switching

- 4.1.1 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 4.1.3.3 to Momentum Business Solutions for the provision of a telecommunications service. BellSouth shall provide non-discriminatory access to packet switching capability on an unbundled basis to Momentum Business Solutions for the provision of a telecommunications service only in the limited circumstance described below in Section 4.4.6.

4.1.2 Except as otherwise provided herein, BellSouth shall not impose any restrictions on Momentum Business Solutions 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.

4.1.3 **Local Circuit Switching Capability, including Tandem Switching Capability**

4.1.3.1 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, as well as any technically feasible customized routing functions provided by the switch; (D) switching provided by remote switching modules.

4.1.3.2 Notwithstanding BellSouth's general duty to unbundle local circuit switching, BellSouth shall not be required to unbundle local circuit switching for Momentum Business Solutions when Momentum Business Solutions serves end-users with four (4) or more voice-grade (DS-0) equivalents or lines in locations served by BellSouth's local circuit switches, which are in the following MSAs: 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, and BellSouth has provided non-discriminatory cost based access to the Enhanced Extended Link (EEL) throughout Density Zone 1 as determined by NECA Tariff No. 4 as in effect on January 1, 1999.

4.1.3.3 In the event that Momentum Business Solutions 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 Momentum Business Solutions the market based rate in Exhibit D for use of the local circuit switching functionality for the affected facilities.

4.1.3.4 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 Momentum Business Solutions.

Any features that are not currently then capable but are technically feasible through the switch can be requested through the BFR process.

- 4.1.3.5 BellSouth will provide to Momentum Business Solutions 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 Momentum Business Solutions' PIC'ed toll traffic in a two (2) PIC environment to an alternative OS/DA platform designated by Momentum Business Solutions. Momentum Business Solutions customers may use the same dialing arrangements as BellSouth customers.
- 4.1.3.6 Remote Switching Module functionality is included in Switching Capability. The switching capabilities used will be based on the line side features they support.
- 4.1.3.7 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.
- 4.1.3.8 Where required to do so in order to comply with an effective Commission order, BellSouth will provide to Momentum Business Solutions 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. Momentum Business Solutions customers may use the same dialing arrangements as BellSouth customers, but obtain a Momentum Business Solutions branded service.
- 4.1.4 Technical Requirements
- 4.1.4.1 The requirements set forth in this Section apply to Local Switching, but not to the Data Switching function of Local Switching.
- 4.1.4.2 Local Switching shall be equal to or better than the requirements for Local Switching set forth in the applicable industry standard technical references.
- 4.1.4.3 When applicable, BellSouth shall route calls to the appropriate trunk or lines for call origination or termination.
- 4.1.4.4 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 Momentum Business Solutions will be made pursuant to the Bona Fide Request/ New Business Request Process as set forth in General Terms and Conditions.
- 4.1.4.5 BellSouth shall provide unbranded recorded announcements and call progress tones to alert callers of call progress and disposition.

- 4.1.4.6 BellSouth shall activate service for a Momentum Business Solutions customer or network interconnection on any of the Local Switching interfaces. This includes provisioning changes to change a customer from BellSouth's services to Momentum Business Solutions' services without loss of switch feature functionality as defined in this Agreement.
- 4.1.4.7 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.
- 4.1.4.8 BellSouth shall repair and restore any equipment or any other maintainable component that may adversely impact Local Switching.
- 4.1.4.9 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.
- 4.1.4.10 BellSouth shall perform manual call trace and permit customer originated call trace.
- 4.1.4.11 Special Services provided by BellSouth will include the following:
- 4.1.4.11.1 Telephone Service Prioritization;
 - 4.1.4.11.2 Related services for handicapped;
 - 4.1.4.11.3 Soft dial tone where required by law; and
 - 4.1.4.11.4 Any other service required by law.
- 4.1.4.12 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.
- 4.1.4.13 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.
- 4.1.4.14 BellSouth shall provide performance data regarding a customer line, traffic characteristics or other measurable elements to Momentum Business Solutions, upon a reasonable request from Momentum Business Solutions. CLEC will pay BellSouth for all costs incurred to provide such performance data through the Business Opportunity Request process.
- 4.1.4.15 BellSouth shall offer Local Switching that provides feature offerings at parity to those provided by BellSouth to itself or any other Party.

- 4.1.4.16 BellSouth shall offer to Momentum Business Solutions all AIN triggers in connection with its SMS/SCE offering which are supported by BellSouth for offering AIN-based services
- 4.1.4.17 Where capacity exists, BellSouth shall assign each Momentum Business Solutions customer line the class of service designated by Momentum Business Solutions (e.g., using line class codes or other switch specific provisioning methods), and shall route directory assistance calls from Momentum Business Solutions customers to Momentum Business Solutions directory assistance operators at Momentum Business Solutions' option.
- 4.1.4.18 Where capacity exists, BellSouth shall assign each Momentum Business Solutions customer line the class of services designated by Momentum Business Solutions (e.g., using line class codes or other switch specific provisioning methods) and shall route operator calls from Momentum Business Solutions customers to Momentum Business Solutions operators at Momentum Business Solutions' option. For example, BellSouth may translate 0- and 0+ intraLATA traffic, and route the call through appropriate trunks to a Momentum Business Solutions Operator Services Position System (OSPS). Calls from Local Switching must pass the ANI-II digits unchanged.
- 4.1.4.19 Local Switching shall be offered in accordance with the technical specifications set forth in the applicable industry standard references.
- 4.1.5 Interface Requirements **BellSouth** shall provide the following interfaces to loops:
- 4.1.5.1 Standard Tip/Ring interface including loopstart or groundstart, on-hook signaling (e.g., for calling number, calling name and message waiting lamp);
- 4.1.5.2 Coin phone signaling;
- 4.1.5.3 Basic Rate Interface ISDN adhering to appropriate Telcordia (formerly BellCore) Technical Requirements;
- 4.1.5.4 Two-wire analog interface to PBX;
- 4.1.5.5 Four-wire analog interface to PBX;
- 4.1.5.6 Four-wire DS1 interface to PBX or customer provided equipment (e.g. computers and voice response systems);
- 4.1.5.7 Primary Rate ISDN to PBX adhering to ANSI standards Q.931, Q.932 and appropriate Telcordia (formerly BellCore) Technical Requirements;
- 4.1.5.8 Switched Fractional DS1 with capabilities to configure Nx64 channels (where N = 1 to 24); and

- 4.1.5.9 Loops adhering to Telcordia (formerly BellCore) TR-NWT-08 and TR-NWT-303 specifications to interconnect Digital Loop Carriers.
- 4.1.6 BellSouth shall provide access to the following but not limited to:
 - 4.1.6.1 SS7 Signaling Network or Multi-Frequency trunking if requested by Momentum Business Solutions;
 - 4.1.6.2 Interface to Momentum Business Solutions operator services systems or Operator Services through appropriate trunk interconnections for the system; and
 - 4.1.6.3 Interface to Momentum Business Solutions Directory Assistance Services through the Momentum Business Solutions switched network or to Directory Assistance Services through the appropriate trunk interconnections for the system; and 950 access or other Momentum Business Solutions required access to interexchange carriers as requested through appropriate trunk interfaces.

4.2 **Tandem Switching**

4.2.1 Definition

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

4.2.2 Technical Requirements

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:

- 4.2.2.1 Tandem Switching shall provide signaling to establish a tandem connection;
- 4.2.2.2 Tandem Switching will provide screening as jointly agreed to by Momentum Business Solutions and BellSouth;
- 4.2.2.3 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;
- 4.2.2.4 Tandem Switching shall provide access to Toll Free number portability database as designated by Momentum Business Solutions;
- 4.2.2.5 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));

- 4.2.2.6 Tandem Switching shall provide connectivity to PSAPs where 911 solutions are deployed and the tandem is used for 911; and
- 4.2.2.7 Where appropriate, Tandem Switching shall provide connectivity to transit traffic to and from other carriers.
- 4.2.3 Tandem Switching shall accept connections (including the necessary signaling and trunking interconnections) between end offices, other tandems, IXCs, ICOs, CAPs and CLEC switches.
- 4.2.4 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).
- 4.2.5 Tandem Switching shall preserve CLASS/LASS features and Caller ID as traffic is processed.
- 4.2.6 Tandem Switching shall record billable events and send them to the area billing centers designated by Momentum Business Solutions. Tandem Switching will provide recording of all billable events as jointly agreed to by Momentum Business Solutions and BellSouth.
- 4.2.7 Upon a reasonable request from Momentum Business Solutions, 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 Momentum Business Solutions.
- 4.2.8 BellSouth shall maintain Momentum Business Solutions' trunks and interconnections associated with Tandem Switching at least at parity to its own trunks and interconnections.
- 4.2.9 BellSouth shall control congestion points and network abnormalities. All traffic will be restricted in a non-discriminatory manner.
- 4.2.10 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 Momentum Business Solutions and BellSouth.
- 4.2.11 Tandem Switching shall process originating toll-free traffic received from Momentum Business Solutions' local switch.
- 4.2.12 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.

- 4.2.13 Interface Requirements
 - 4.2.13.1 Tandem Switching shall provide interconnection to the E911 PSAP where the underlying Tandem is acting as the E911 Tandem.
 - 4.2.13.2 Tandem Switching shall interconnect, with direct trunks, to all carriers with which BellSouth interconnects.
 - 4.2.13.3 BellSouth shall provide all signaling necessary to provide Tandem Switching with no loss of feature functionality.
 - 4.2.13.4 Tandem Switching shall interconnect with Momentum Business Solutions' switch, using two-way trunks, for traffic that is transiting via BellSouth's network to interLATA or intraLATA carriers. At Momentum Business Solutions' request, Tandem Switching shall record and keep records of traffic for billing.
 - 4.2.13.5 Tandem Switching shall provide an alternate final routing pattern for Momentum Business Solutions' traffic overflowing from direct end office high usage trunk groups.
 - 4.2.13.6 Tandem Switching shall be equal or better than the requirements for Tandem Switching set forth in the applicable technical references.
- 4.3 **AIN Selective Carrier Routing for Operator Services, Directory Assistance and Repair Centers**
 - 4.3.1 BellSouth will provide AIN Selective Carrier Routing at the request of Momentum Business Solutions. AIN Selective Carrier Routing will provide Momentum Business Solutions 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.
 - 4.3.2 Momentum Business Solutions 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.
 - 4.3.3 AIN Selective Carrier Routing is not available in DMS 10 switches.
 - 4.3.4 Where AIN Selective Carrier Routing is utilized by Momentum Business Solutions, the routing of Momentum Business Solutions' end user calls shall be pursuant to information provided by Momentum Business Solutions 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.

- 4.3.5 Upon ordering of AIN Selective Carrier Routing Regional Service, Momentum Business Solutions shall remit to BellSouth the Regional Service Order non-recurring charges set forth in Exhibit D 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 D of this Attachment. For each Momentum Business Solutions end user activated, there shall be a non-recurring End User Establishment charge as set forth in Exhibit D of this Attachment, payable to BellSouth pursuant to the terms of the General Terms and Conditions, incorporated herein by this reference. Momentum Business Solutions shall pay the AIN Selective Carrier Routing Per Query Charge set forth in Exhibit D of this Attachment.
- 4.3.6 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.
- 4.3.7 The non-recurring End Office Establishment Charge will be billed to the client following our normal monthly billing cycle for this type of order.
- 4.3.8 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.
- 4.3.9 Additionally, the AIN Selective Carrier Routing Per Query Charge will be billed to the client following the normal billing cycle for per query charges.
- 4.3.10 All other network components needed, for example, unbundled switching and unbundled local transport, etc, will be billed according per contracted rates.

4.4 **Packet Switching Capability**

4.4.1 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 Multiplexers, including but not limited to:

- 4.4.2 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);
- 4.4.3 The ability to forward the voice channels, if present, to a circuit switch or multiple circuit switches;
- 4.4.4 The ability to extract data units from the data channels on the loops, and
- 4.4.5 The ability to combine data units from multiple loops onto one or more trunks connecting to a packet switch or packet switches.
- 4.4.6 BellSouth shall be required to provide non-discriminatory access to unbundled packet switching capability only where each of the following conditions are satisfied:
 - 4.4.6.1 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);
 - 4.4.6.2 There are no spare copper loops capable of supporting the xDSL services Momentum Business Solutions seeks to offer;
 - 4.4.6.3 BellSouth has not permitted Momentum Business Solutions to deploy a Digital Subscriber Line Access Multiplexer at the remote terminal, pedestal or environmentally controlled vault or other interconnection point, nor has the Momentum Business Solutions obtained a virtual collocation arrangement at these sub-loop interconnection points as defined by 47 C.F.R. § 51.319 (b); and
 - 4.4.6.4 BellSouth has deployed packet switching capability for its own use.
- 4.4.7 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 12 of the General Terms and Conditions of this Agreement, incorporated herein by this reference.

4.6 **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 Momentum Business Solutions for the provision of a telecommunications service.

4.7 **Rates**

The prices that Momentum Business Solutions shall pay to BellSouth for Network Elements and Other Services are set forth in Exhibit D to this Attachment.

4.8 **Operational Support Systems (OSS)**

The terms, conditions and rates for OSS are as set forth in Section 2 of this Attachment.

5. **Unbundled Network Element Combinations**

5.1. Unbundled Network Element Combinations shall include: 1) Enhanced Extended Links (EELs) 2) UNE Loops/Special Access Combinations 3) Loop/Port Combinations and 4) Transport Combinations.

5.2. For purposes of this Section, 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.

5.3. **EELs**

5.3.1 Where facilities permit and where necessary to comply with an effective FCC and/or State Commission order, or as otherwise mutually agreed by the Parties, BellSouth shall offer access to loop and transport combinations, also known as the Enhanced Extended Link (“EEL”) as defined in Section 5.3.2 below.

5.3.2 Subject to Section 5.3.3 below, BellSouth will provide access to the EEL in the combinations set forth in Section 5.3.4 following. This offering is intended to provide connectivity from an end user’s location through that end user’s SWC to Momentum Business Solutions’ POP serving wire center. The circuit must be connected to Momentum Business Solutions’ switch for the purpose of provisioning telephone exchange service to Momentum Business Solutions’ end-user customers. The EEL will be connected to Momentum Business Solutions’ facilities in Momentum Business Solutions’ collocation space at the POP SWC, or Momentum Business Solutions may purchase BellSouth’s access facilities between Momentum Business Solutions’ POP and Momentum Business Solutions’ collocation space at the POP SWC.

5.3.3 BellSouth shall provide EEL combinations to Momentum Business Solutions in Georgia regardless of whether or not such EELs are Currently Combined. In all

other states, BellSouth shall make available to Momentum Business Solutions those EEL combinations described in Section 5.3.4 below only to the extent such combinations are Currently Combined. Furthermore, BellSouth will make available EEL combinations to Momentum Business Solutions in density Zone 1, as defined in 47 C.F.R. 69.123 as of January 1, 1999, in 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 regardless of whether or not such EELs are Currently Combined. Except as stated above, EELs will be provided to Momentum Business Solutions only to the extent such network elements are Currently Combined.

5.3.4 EEL Combinations

5.3.4.1 DS1 Interoffice Channel + DS1 Channelization + 2-wire VG Local Loop

5.3.4.2 DS1 Interoffice Channel + DS1 Channelization + 4-wire VG Local Loop

5.3.4.3 DS1 Interoffice Channel + DS1 Channelization + 2-wire ISDN Local Loop

5.3.4.4 DS1 Interoffice Channel + DS1 Channelization + 4-wire 56 kbps Local Loop

5.3.4.5 DS1 Interoffice Channel + DS1 Channelization + 4-wire 64 kbps Local Loop

5.3.4.6 DS1 Interoffice Channel + DS1 Local Loop

5.3.4.7 DS3 Interoffice Channel + DS3 Local Loop

5.3.4.8 STS-1 Interoffice Channel + STS-1 Local Loop

5.3.4.9 DS3 Interoffice Channel + DS3 Channelization + DS1 Local Loop

5.3.4.10 STS-1 Interoffice Channel + DS3 Channelization + DS1 Local Loop

5.3.4.11 2-wire VG Interoffice Channel + 2-wire VG Local Loop

5.3.4.12 4wire VG Interoffice Channel + 4-wire VG Local Loop

5.3.4.13 4-wire 56 kbps Interoffice Channel + 4-wire 56 kbps Local Loop

5.3.4.14 4-wire 64 kbps Interoffice Channel + 4-wire 64 kbps Local Loop

5.3.5 EEL combinations for DS1 level and above will be available only when Momentum Business Solutions provides and handles at least one third of the end user's local traffic over the facility provided. In addition, on the DS1 loop portion of the combination, at least fifty (50) percent of the activated channels must have at least five-(5) percent local voice traffic individually and, for the entire DS1 facility, at least ten (10) percent of the traffic must be local voice traffic.

5.3.6 When combinations of loop and transport network elements include multiplexing, each of the individual DS1 circuits must meet the above criteria.

5.3.7 Special Access Service Conversions

5.3.7.1 Momentum Business Solutions may not convert special access services to combinations of loop and transport network elements, whether or not Momentum Business Solutions self-provides its entrance facilities (or obtains entrance facilities from a third party), unless Momentum Business Solutions 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 Momentum Business Solutions requests to convert any special access services to combinations of loop and transport network elements at UNE prices, Momentum Business Solutions shall provide to BellSouth a letter certifying that Momentum Business Solutions is providing a significant amount of local exchange service (as described in this Section) over such combinations. The certification letter shall also indicate under what local usage option Momentum Business Solutions seeks to qualify for conversion of special access circuits. Momentum Business Solutions shall be deemed to be providing a significant amount of local exchange service over such combinations if one of the following options is met:

5.3.7.1.1 Momentum Business Solutions certifies that it is the exclusive provider of an end user's local exchange service. The loop-transport combinations must terminate at Momentum Business Solutions' 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, Momentum Business Solutions is the end user's only local service provider, and thus, is providing more than a significant amount of local exchange service. Momentum Business Solutions 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

5.3.7.1.2 Momentum Business Solutions 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 Momentum Business Solutions' 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

- 5.3.7.1.3 Momentum Business Solutions 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. Momentum Business Solutions 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.
- 5.3.7.2 In addition, there may be extraordinary circumstances where Momentum Business Solutions is providing a significant amount of local exchange service, but does not qualify under any of the three options set forth in Section 5.3.7.1. In such case, Momentum Business Solutions may petition the FCC for a waiver of the local usage options set forth in the June 2, 2000 Order. If a waiver is granted, then upon Momentum Business Solutions' request the Parties shall amend this Agreement to the extent necessary to incorporate the terms of such waiver for such extraordinary circumstance.
- 5.3.7.3 BellSouth may at its sole discretion audit Momentum Business Solutions 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 Momentum Business Solutions 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, Momentum Business Solutions shall reimburse BellSouth for the cost of the audit. If, based on its audits, BellSouth concludes that Momentum Business Solutions 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 Momentum Business Solutions.
- 5.3.7.4 Momentum Business Solutions may convert special access circuits to combinations of loop and transport UNEs pursuant to the terms of this Section and subject to the termination provisions in the applicable special access tariffs, if any.
- 5.3.8 Rates
- 5.3.8.1 Georgia

- 5.3.8.2 The non-recurring and recurring rates for the EEL Combinations of network elements set forth in 5.3.4 whether Currently Combined or new, are as set forth in Exhibit D of this Amendment.
- 5.3.8.3 On an interim basis, for combinations of loop and transport network elements not set forth in Section 5.3.4, 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.
- 5.3.8.4 To the extent that Momentum Business Solutions seeks to obtain other combinations of network elements that BellSouth ordinarily combines in its network which have not been specifically priced by the Commission when purchased in combined form, Momentum Business Solutions, at its option, can request that such rates be determined pursuant to the Bona Fide Request/New Business Request (NBR) process set forth in this Agreement.
- 5.3.8.5 All Other States
- 5.3.8.5.1 Subject to Section 5.3.2 and 5.3.3 preceding, for all other states, the non-recurring and recurring rates for the Currently Combined EEL combinations set forth in Section 5.3.4 and other Currently Combined network elements will be the sum of the recurring rates for the individual network elements plus a non recurring charge set forth in Exhibit D of this Attachment.
- 5.3.8.6 Multiplexing
- 5.3.8.6.1 Where multiplexing functionality is required in connection with loop and transport combinations, such multiplexing will be provided at the rates and on the terms set forth in this Agreement.
- 5.4 Other Network Element Combinations**
- 5.4.1.1 In the state of Georgia, BellSouth shall make available to Momentum Business Solutions, in accordance with Section 5.4.2.1 below: (1) combinations of network elements other than EELs that are Currently Combined; and (2) combinations of network elements other than EELs that are not Currently Combined but that BellSouth ordinarily combines in its network. In all other states, BellSouth shall make available to Momentum Business Solutions, in accordance with Section 5.4.2.2 below, combinations of network elements other than EELs only to the extent such combinations are Currently Combined.
- 5.4.2 Rates
- 5.4.2.1 Georgia

- 5.4.2.1.1 The non-recurring and recurring rates for Other Network Element combinations, whether Currently Combined or new, are as set forth in Exhibit D of this Attachment.
- 5.4.2.1.2 On an interim basis, for Other Network Element combinations 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.
- 5.4.2.1.3 To the extent that Momentum Business Solutions seeks to obtain other combinations of network elements that BellSouth ordinarily combines in its network which have not been specifically priced by the Commission when purchased in combined form, Momentum Business Solutions, at its option, can request that such rates be determined pursuant to the Bona Fide Request/New Business Request (NBR) process set forth in this Agreement.
- 5.4.2.2 All Other States
- 5.4.2.2.1 For all other states, the non-recurring and recurring rates for the Other Network Element Combinations that are Currently Combined will be the sum of the recurring rates for the individual network elements plus a non recurring charge set forth in Exhibit D of this Attachment.
- 5.5 UNE/Special Access Combinations**
- 5.5.1 Additionally, BellSouth shall make available to Momentum Business Solutions a combination of an unbundled loop and tariffed special access interoffice facilities. To the extent Momentum Business Solutions 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 5.3.7.
- 5.5.2 Rates
- 5.5.2.1 The non-recurring and recurring rates for UNE/Special Access Combinations will be the sum of the unbundled loop rates as set forth in Exhibit D and the interoffice transport rates and multiplexing rates as set forth in the Access Services Tariff.
- 5.6 Port/Loop Combinations**
- 5.6.1 At Momentum Business Solutions' request, BellSouth shall provide access to combinations of port and loop network elements, as set forth in Section 5.6.3

below, that are Currently Combined in BellSouth's network except as specified in Sections 5.6.1.1 and 5.6.1.2 below.

- 5.6.1.1 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.
- 5.6.1.2 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 C.F.R. 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 Momentum Business Solutions if Momentum Business Solutions' customer has 4 or more DS0 equivalent lines.
- 5.6.2 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:
- 5.6.2.1 In Georgia, BellSouth shall provide to Momentum Business Solutions combinations of port and loop network elements to Momentum Business Solutions 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 5.6.1.2 above. The rates for such combinations shall be the cost based rates set forth in Exhibit D of this Attachment.
- 5.6.2.2 In all other states, BellSouth shall provide to Momentum Business Solutions 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 forth in Sections 5.6.1.1 and 5.6.1.2 above. The rates for such combinations shall be the cost based rates set forth in Exhibit D of this Attachment.
- 5.6.2.3 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 5.6.1.1 and 5.6.1.2, BellSouth shall provide to Momentum Business Solutions combinations of port and loop network elements that are not Currently Combined. The rate for such combinations shall be negotiated by the Parties.
- 5.6.2.4 In those locations where BellSouth is not required to provide unbundled circuit switching, as set forth in Sections 5.6.1.1 and 5.6.1.2, BellSouth shall provide to Momentum Business Solutions 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 D. The rates for not Currently Combined combinations shall be negotiated by the Parties.

5.6.3 Combination Offerings

5.6.3.1 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.

5.6.3.2 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.

5.6.3.3 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.

5.6.3.4 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.

5.6.3.5 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.

5.6.3.6 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, Channelization 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 Interoffice transmission facility network elements include:

6.1.1.1 Dedicated transport, defined as BellSouth's transmission facilities, is dedicated to a particular customer or carrier that provides telecommunications between wire centers or switches owned by BellSouth, or between wire centers and switches owned by BellSouth and Momentum Business Solutions.

- 6.1.1.2 Dark Fiber transport, defined as BellSouth's optical transmission facilities without attached signal regeneration, multiplexing, aggregation or other electronics;
- 6.1.1.3 Common (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 BellSouth shall:
 - 6.2.1 Provide Momentum Business Solutions 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;
 - 6.2.2 Provide all technically feasible transmission facilities, features, functions, and capabilities that Momentum Business Solutions could use to provide telecommunications services;
 - 6.2.3 Permit, to the extent technically feasible, Momentum Business Solutions to connect such interoffice facilities to equipment designated by Momentum Business Solutions, including but not limited to, Momentum Business Solutions' collocated facilities; and
 - 6.2.4 Permit, to the extent technically feasible, Momentum Business Solutions to obtain the functionality provided by BellSouth's digital cross-connect systems in the same manner that BellSouth provides such functionality to interexchange carriers.
- 6.3 **Common (Shared) Transport**
 - 6.3.1 Definition of Common (Shared) Transport
 - 6.3.1.1 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.
 - 6.3.2 Technical Requirements of Common (Shared) Transport
 - 6.3.2.1 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.

- 6.3.2.2 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.
- 6.3.2.3 BellSouth shall be responsible for the engineering, provisioning, and maintenance of the underlying equipment and facilities that are used to provide Common (Shared) Transport.
- 6.3.2.4 At a minimum, Common (Shared) Transport shall meet all of the requirements set forth in the applicable industry standard technical references.
- 6.4 **Dedicated Transport**
- 6.4.1 Definitions
- 6.4.2 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.
- 6.4.3 Unbundled Local Channel
- 6.4.4 Unbundled Local Channel is the dedicated transmission path between Momentum Business Solutions' Point of Presence and the BellSouth Serving Wire Center's collocation.
- 6.4.5 Unbundled Interoffice Channel.
- 6.4.6 Unbundled Interoffice Channel is the dedicated transmission path that provides telecommunication between BellSouth's Serving Wire Centers' collocations.
- 6.4.7 BellSouth shall offer Dedicated Transport in each of the following ways:
- 6.4.7.1 As capacity on a shared UNE facility.
- 6.4.7.2 As a circuit (e.g., DS0, DS1, DS3) dedicated to Momentum Business Solutions. This circuit shall consist of an Unbundled Local Channel or an Unbundled Interoffice Channel or both.
- 6.4.8 When Dedicated Transport is provided it shall include:
- 6.4.8.1 Transmission equipment such as, line terminating equipment, amplifiers, and regenerators;
- 6.4.8.2 Inter-office transmission facilities such as optical fiber, copper twisted pair, and coaxial cable.

- 6.4.9 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.
- 6.4.10 Technical Requirements
- 6.4.10.1 This Section sets forth technical requirements for all Dedicated Transport.
- 6.4.10.2 When BellSouth provides Dedicated Transport, the entire designated transmission service (e.g., DS0, DS1, DS3) shall be dedicated to Momentum Business Solutions designated traffic.
- 6.4.10.3 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.
- 6.4.10.4 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.
- 6.4.10.5 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.
- 6.4.10.6 BellSouth shall offer the following interface transmission rates for Dedicated Transport:
- 6.4.10.6.1 DS0 Equivalent;
- 6.4.10.6.2 DS1 (Extended SuperFrame - ESF);
- 6.4.10.6.3 DS3 (signal must be framed);
- 6.4.10.6.4 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.
- 6.4.10.6.5 When Dedicated Transport is provided, BellSouth shall design it according to BellSouth’s network infrastructure to allow for the termination points specified by Momentum Business Solutions.
- 6.4.11 At a minimum, Dedicated Transport shall meet each of the requirements set forth in the applicable industry technical references.

- 6.4.11.1 BellSouth Technical References:
- 6.4.11.2 TR-TSY-000191 Alarm Indication Signals Requirements and Objectives, Issue 1, May 1986.
- 6.4.11.3 TR 73501 LightGate[®]Service Interface and Performance Specifications, Issue D, June 1995.
- 6.4.11.4 TR 73525 MegaLink[®]Service, MegaLink Channel Service & MegaLink Plus Service Interface and Performance Specifications, Issue C, May 1996.
- 6.4.12 Provided that the facility is used to transport a significant amount of local exchange services Momentum Business Solutions shall be entitled to convert existing interoffice transmission facilities (i.e., special access) to the corresponding interoffice transport network element option.
- 6.5 **Unbundled Channelization**
- 6.5.1 BellSouth agrees to offer access to Unbundled Channelization when available pursuant to following terms and conditions and at the rates set forth in the Attachment. Channelization will be offered with both the high and the low speed sides to be connected to collocation.
- 6.5.2 Definition
- 6.5.2.1 Unbundled Channelization (UC) provides the multiplexing capability that will allow a DS1 (1.544 Mbps) or DS3 (44.736 Mbps) or STS-1 Unbundled Network Element (UNE) or collocation cross-connect to be multiplexed or channelized at a BellSouth central office. This can be accomplished through the use of a stand-alone multiplexer or a digital cross-connect system at the discretion of BellSouth. Once UC has been installed, Momentum Business Solutions can have channels activated on an as-needed basis by having BellSouth connect lower level UNES via Central Office Channel Interfaces (COCI).
- 6.5.3 Channelization capabilities will be as follows:
- 6.5.3.1 DS3 Channelization System: An element that channelizes a DS3 signal into 28 DS1s/STS-1s.
- 6.5.3.2 DS1 Channelization System: An element that channelizes a DS1 signal into 24 DS0s.
- 6.5.3.3 Central Office Channel Interfaces (COCI): Elements that can be activated on a channelization system.

- 6.5.4 DS1 Central Office Channel Interface elements can be activated on a DS3 Channelization System.
- 6.5.5 Voice Grade and Digital Data Central Office Channel Interfaces can be activated on a DS1 Channelization System.
- 6.5.6 AMI and B8ZS line coding with either Super Frame (SF) and Extended Super Frame (ESF) framing formats will be supported as options.
- 6.5.7 COCI will be billed on the lower level UNE order that is interfacing with the UC arrangement and will have to be compatible with those UNEs.
- 6.5.8 Technical Requirements
 - 6.5.8.1 In order to assure proper operation with BST provided central office multiplexing functionality, the customer's channelization equipment must adhere strictly to form and protocol standards. Separate standards exist for the multiplex channel bank, for voice frequency encoding, for various signaling schemes, and for subrate digital access.
 - 6.5.8.2 DS0 to DS1 Channelization
 - 6.5.8.2.1 The DS1 signal must be framed utilizing the framing structure defined in ANSI T1.107, *Digital Hierarchy Formats Specifications* and ANSI T1.403.02, *DS1 Robbed-bit Signaling State Definitions*. DS0 to DS1 Channelization requirements are essentially the same as defined in BellSouth Technical Reference 73525, *MegaLink[®] Service, MegaLink[®] Channel Service, MegaLink[®] Plus Service, and MegaLink[®] Light Service Interface and Performance Specification*.
 - 6.5.8.3 DS1 to DS3 Channelization
 - 6.5.8.3.1 The DS3 signal must be framed utilizing the framing structure define in ANSI T1.107, *Digital Hierarchy Formats Specifications*. DS1 to DS3 Channelization requirements are essentially the same as defined in BellSouth Technical Reference 73501, *LightGate[®] Service Interface and Performance Specifications*. The asynchronous M13 multiplex format (combination of M12 and M23 formats) is specified for terminal equipment that multiplexes 28 DS1s into a DS3.
 - 6.5.8.4 DS1 to STS Channelization
 - 6.5.8.4.1 The STS-1 signal must be framed utilizing the framing structure define in ANSI T1.105, *Synchronous Optical Network (SONET) – Basic Description Including Multiplex Structure, Rates and Formats* and T1.105.02, *Synchronous Optical Network (SONET) – Payload Mappings*. DS1 to STS Channelization requirements are essentially the same as defined in BellSouth Technical Reference TR 73501, *LightGate[®] Service Interface and Performance Specifications*

6.6 **Dark Fiber**

6.6.1 Definition

6.6.2 Dark Fiber is optical transmission facilities without attached multiplexing, aggregation or other electronics that connects two points within BellSouth's network. 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 to operationalize its transmission capabilities will be available.

6.6.3 Requirements

6.6.3.1 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. If BellSouth has plans to use the fiber within a two-year period, there is no requirement to provide said fiber to Momentum Business Solutions.

6.6.3.2 If the requested dark fiber has any lightwave repeater equipment interspliced to it, BellSouth will remove such equipment at Momentum Business Solutions' request subject to time and materials charges.

6.6.3.3 Momentum Business Solutions may test the quality of the Dark Fiber to confirm its usability and performance specifications.

6.6.3.4 BellSouth shall use its best efforts to provide to Momentum Business Solutions 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 Momentum Business Solutions ("Request"). Within such time period, BellSouth shall send written confirmation of availability of the Dark Fiber ("Confirmation"). From the time of the Request to forty-five (45) days after Confirmation, BellSouth shall hold such requested Dark Fiber for Momentum Business Solutions' use and may not allow any other party to use such media, including BellSouth.

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

6.6.3.6 Dark Fiber shall meet the manufacturer's design specifications.

6.6.3.7 Momentum Business Solutions may splice and test Dark Fiber obtained from BellSouth using Momentum Business Solutions or Momentum Business Solutions designated personnel. BellSouth shall provide appropriate interfaces to allow splicing and testing of Dark Fiber. BellSouth shall provide an excess cable length of 25 feet minimum (for fiber in underground conduit) to allow the uncoiled fiber to reach from the manhole to a splicing van.

6.7 Rates

6.7.1 The prices that Momentum Business Solutions shall pay to BellSouth for Network Elements and Other Services are set forth in Exhibit D to this Attachment.

6.8 Operational Support Systems (OSS)

The terms, conditions and rates for OSS are as set forth in Section 2 of this Attachment.

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 known 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 Momentum Business Solutions. BellSouth shall provide 8XX TFD in accordance with the following:

7.1.2 Technical Requirements

7.1.2.1 BellSouth shall provide Momentum Business Solutions 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 Momentum Business Solutions.

7.1.2.3 The SCP shall also provide, at Momentum Business Solutions' 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 Momentum Business Solutions shall pay to BellSouth for Network Elements and Other Services are set forth in Exhibit D 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 Momentum Business Solutions any additional capabilities that are developed for LIDB during the life of this Agreement.

8.2.4.1 BellSouth shall process Momentum Business Solutions' Customer records in LIDB at least at parity with BellSouth customer records, with respect to other LIDB functions. BellSouth shall indicate to Momentum Business Solutions 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 Momentum Business Solutions, BellSouth shall provide Momentum Business Solutions with a list of the customer data items, which Momentum Business Solutions 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 Momentum Business Solutions data to the LIDB shall be solely at the direction of Momentum Business Solutions. Such direction from Momentum Business Solutions 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 Momentum Business Solutions data upon Momentum Business Solutions' 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 Momentum Business Solutions customer records will be missing from LIDB, as measured by Momentum Business Solutions audits. BellSouth will audit Momentum Business Solutions records in LIDB against DBAS to identify record mismatches and provide this data to a designated Momentum Business Solutions contact person to resolve the status of the records and BellSouth will update

system appropriately. BellSouth will refer record of mis-matches to Momentum Business Solutions within one business day of audit. Once reconciled records are received back from Momentum Business Solutions, 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 Momentum Business Solutions 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 Momentum Business Solutions' 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 Momentum Business Solutions 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 Momentum Business Solutions and BellSouth.
- 8.2.4.11 BellSouth shall prevent any access to or use of Momentum Business Solutions 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 Momentum Business Solutions in writing.
- 8.2.4.12 BellSouth shall provide Momentum Business Solutions 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 Momentum Business Solutions at least at parity with BellSouth Customer Data. BellSouth shall obtain from Momentum Business Solutions the screening information associated with LIDB Data Screening of Momentum Business Solutions 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 Momentum Business Solutions 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 Momentum Business Solutions 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 Momentum Business Solutions shall pay to BellSouth for Network Elements and Other Services are set forth in Exhibit D 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 Momentum Business Solutions 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 Momentum Business Solutions 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 Momentum Business Solutions 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 the applicable industry standard technical references.
- 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 Momentum Business Solutions 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 Momentum Business Solutions database, then Momentum Business Solutions agrees to provide BellSouth with the Destination Point Code for the Momentum Business Solutions 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 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 Momentum Business Solutions 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 Momentum Business Solutions 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 Momentum Business Solutions, 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 Momentum Business Solutions SS7 network to exchange TCAP queries and responses with an Momentum Business Solutions SCP.
- 9.4.2.9.2 SS7 AIN Access shall provide Momentum Business Solutions SCP access to BellSouth local switch in association with switching via interconnection of BellSouth SS7 and Momentum Business Solutions 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 Momentum Business Solutions 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 Momentum Business Solutions or Momentum Business Solutions-designated local switching systems or STPs to the BellSouth SS7 network:

9.4.3.1.1 An A-link interface from Momentum Business Solutions local switching systems; and,

9.4.3.1.2 A B-link interface from Momentum Business Solutions 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 Momentum Business Solutions local switching systems or STPs with BellSouth STPs as soon as these become approved ANSI standards and available capabilities of BellSouth STPs. BellSouth and Momentum Business Solutions 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 Momentum Business Solutions 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 Momentum Business Solutions local or tandem switching systems destined to any signaling point within BellSouth's SS7 network where the Momentum Business Solutions 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 Momentum Business Solutions local or tandem switching systems destined to any signaling point or network accessed through BellSouth's SS7 network where the Momentum Business Solutions 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 Momentum Business Solutions from any signaling point or network interconnected through BellSouth's SS7 network where the Momentum Business Solutions 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 Momentum Business Solutions 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 Momentum Business Solutions 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 Momentum Business Solutions local Signaling Transfer Point Switches (STP) and Momentum Business Solutions 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), Momentum Business Solutions 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 Other 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 Momentum Business Solutions 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 Momentum Business Solutions 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 Momentum Business Solutions 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 Momentum Business Solutions local or tandem switching system, SS7 Network Interconnection shall include intermediate GTT of messages to a gateway pair of Momentum Business Solutions 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 Momentum Business Solutions or Momentum Business Solutions-designated local or tandem switching systems or STPs to the BellSouth SS7 network:
- 9.7.13.1.1 A-link interface from Momentum Business Solutions local or tandem switching systems; and
- 9.7.13.1.2 B-link interface from Momentum Business Solutions 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 Momentum Business Solutions local switching systems or STPs with BellSouth STPs as soon as these become approved ANSI standards and available capabilities of BellSouth STPs. BellSouth and Momentum Business Solutions 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 Momentum Business Solutions 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 Momentum Business Solutions local or tandem switching systems destined to any signaling point in the BellSouth SS7 network with which the Momentum Business Solutions 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 Momentum Business Solutions shall pay to BellSouth for Network Elements and Other Services are set forth in Exhibit D 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 Momentum Business Solutions 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 Momentum Business Solutions 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 Momentum Business Solutions 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 Momentum Business Solutions 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 Momentum Business Solutions.
- 10.3.2.1.16 BellSouth shall provide a feed of customer call records in "EMI" format to Momentum Business Solutions 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 Momentum Business Solutions, 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 Momentum Business Solutions' 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, Momentum Business Solutions 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 Momentum Business Solutions 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 Momentum Business Solutions 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 Momentum Business Solutions 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 Momentum Business Solutions 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 Momentum Business Solutions to have its calls custom branded with Momentum Business Solutions' 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 Momentum Business Solutions 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 Momentum Business Solutions 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 Momentum Business Solutions to order selective routing for each originating BellSouth end office identified by Momentum Business Solutions. Rates for Selective Routing are set forth in this Attachment.
 - 10.4.6.3 Customer Branding and Self Branding require Momentum Business Solutions to order dedicated trunking from each BellSouth end office identified by Momentum Business Solutions, to either the BellSouth Traffic Operator Position System (TOPS) or Momentum Business Solutions 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 Momentum Business Solutions 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 Momentum Business Solutions 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 Momentum Business Solutions 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 Momentum Business Solutions 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. Momentum Business Solutions end users may use the same dialing arrangements as BellSouth end users, but obtain a Momentum Business Solutions 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 Momentum Business Solutions 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)). Momentum Business Solutions 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, Momentum Business Solutions agrees not to disclose DADS to others and shall provide due care in providing for the security and confidentiality of DADS. Further, Momentum Business Solutions authorizes the inclusion of Momentum Business Solutions Directory Assistance listings in the BellSouth Directory Assistance products.
 - 10.5.2 BellSouth shall provide Momentum Business Solutions initially with a base file of subscriber listings which reflect all listing change activity occurring since Momentum Business Solutions’ most recent update via magnetic tape, and subsequently using electronic connectivity such as Network Data Mover to be developed mutually by Momentum Business Solutions and BellSouth. Momentum Business Solutions 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 Momentum Business Solutions on a Business, Residence, or combined Business and Residence basis. Momentum Business Solutions

agrees that the updates shall be used solely to keep the information current. Delivery of Daily Updates will commence the day after Momentum Business Solutions receives the Base File.

10.5.4 BellSouth is authorized to include Momentum Business Solutions Directory Assistance Listing Information in its Directory Assistance Database Service (DADS). Any other use by BellSouth of Momentum Business Solutions 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 Momentum Business Solutions.

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 Momentum Business Solutions' 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 Momentum Business Solutions to utilize its own switch, operator workstations and optional audio subsystems.

10.6.2 BellSouth will provide DADAS from its DA location. Momentum Business Solutions will access the DADAS system via a telephone company provided point of availability. Momentum Business Solutions 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 Momentum Business Solutions subsystem will be provided by BellSouth. Interconnection between Momentum Business Solutions' system and a specified BellSouth location will be pursuant to the use of Momentum Business Solutions owned or Momentum Business Solutions leased facilities and shall be appropriate sized based upon the volume of queries being generated by Momentum Business Solutions.

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 BellSouth shall offer Momentum Business Solutions a data link to the ALI/DMS database or permit Momentum Business Solutions to provide its own data link to the ALI/DMS database. BellSouth shall provide error reports from the ALI/DMS database to Momentum Business Solutions immediately after Momentum Business Solutions inputs information into the ALI/DMS database. Alternately, Momentum Business Solutions 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 an 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 Momentum Business Solutions requests otherwise and shall be updated if Momentum Business Solutions requests, provided Momentum Business Solutions 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 Momentum Business Solutions end users shall meet industry standards.

10.8 Rates

The prices that Momentum Business Solutions shall pay to BellSouth for Network Elements and Other Services are set forth in Exhibit D 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. Momentum Business Solutions must provide to its account manager a written request with a requested activation date to activate this service. If Momentum Business Solutions is interested in requesting CNAM with volume and term pricing, Momentum Business Solutions 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 Momentum Business Solutions the capability that will allow Momentum Business Solutions 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 Momentum Business Solutions. Scheduling procedures shall provide Momentum Business Solutions equivalent priority to these resources.
- 11.4.2 BellSouth SCP shall partition and protect Momentum Business Solutions service logic and data from unauthorized access, execution or other types of compromise.
- 11.4.3 When Momentum Business Solutions selects SCE/SMS AIN Access, BellSouth shall provide training, documentation, and technical support to enable Momentum Business Solutions 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 Momentum Business Solutions selects SCE/SMS AIN Access, BellSouth shall provide for a secure, controlled access environment in association with its internal use of AIN components. Momentum Business Solutions access will be provided via remote data connection (e.g., dial-in, ISDN).
- 11.4.5 When Momentum Business Solutions selects SCE/SMS AIN Access, BellSouth shall allow Momentum Business Solutions 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 Momentum Business Solutions shall pay to BellSouth for Network Elements and Other Services are set forth in Exhibit D 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 Momentum Business Solutions orders network elements and other services, then Momentum Business Solutions 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 Momentum Business Solutions 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. Momentum Business Solutions 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. Momentum Business Solutions will be required to route that call to BellSouth at the appropriate tandem or end office. When a municipality converts to E911 service, Momentum Business Solutions will be required to discontinue the Basic 911 procedures and being using E911 procedures.
- 12.5.2 E911 Service Provisioning. For E911 service, Momentum Business Solutions will be required to install a minimum of two dedicated trunks originating from the Momentum Business Solutions 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. Momentum Business Solutions will be required to provide BellSouth daily updates to the E911 database. Momentum Business Solutions 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, Momentum Business Solutions 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. Momentum Business Solutions 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 Momentum Business Solutions beyond applicable charges for BellSouth trunking arrangements.

- 12.5.4 Basic 911 and E911 functions provided to Momentum Business Solutions 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 Momentum Business Solutions to follow in providing 911/E911 services.

13. True-Up

This section applies only to Tennessee 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 true-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 of Section 12 of the General Terms and Conditions and Attachment 1 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 Section 12 of the General Terms and Conditions and Attachment 1 of the Agreement, so long as they file the resulting Agreement with the Commission as a “negotiated Agreement” under Section 252(e) of the Act.
- 13.4 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 Momentum Business Solutions are 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 and other services prices, which deaveraged prices, if any are required by said final order, shall form the basis of any true-up.

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 Momentum Business Solutions and pursuant to which BellSouth, its LIDB customers and Momentum Business Solutions shall have access to such information. Momentum Business Solutions 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 Momentum Business Solutions, 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 Momentum Business Solutions of fraud alerts so that Momentum Business Solutions may take action it deems appropriate. Momentum Business Solutions understands and agrees BellSouth will administer all data stored in the LIDB, including the data provided by Momentum Business Solutions pursuant to this Agreement, in the same manner as BellSouth's data for BellSouth's end user customers. BellSouth shall not be responsible to Momentum Business Solutions 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.

Momentum Business Solutions understands that BellSouth currently has in effect numerous billing and collection agreements with various interexchange carriers and billing clearing houses. Momentum Business Solutions 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, Momentum Business Solutions 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 Momentum Business Solutions' 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 Momentum Business Solutions' data from BellSouth's data and the Parties to this Agreement execute appropriate amendments hereto, the following terms and conditions shall apply:

- (a) Momentum Business Solutions agrees that it will accept responsibility for telecommunications services billed by BellSouth for its billing and collection customers for Momentum Business Solutions' end user accounts which are resident in LIDB pursuant to this Agreement. Momentum Business Solutions authorizes BellSouth to place such charges on Momentum Business Solutions' bill from BellSouth and agrees that it shall pay all such charges. Charges for which Momentum Business Solutions 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) Momentum Business Solutions shall have the responsibility to render a billing statement to its end users for these charges, but Momentum Business Solutions' obligation to pay BellSouth for the charges billed shall be independent of whether Momentum Business Solutions is able or not to collect from Momentum Business Solutions' end users.
- (d) BellSouth shall not become involved in any disputes between Momentum Business Solutions and the entities for which BellSouth performs billing and collection. BellSouth will not issue adjustments for charges billed on behalf of an entity to Momentum Business Solutions. It shall be the responsibility of Momentum Business Solutions 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. Momentum Business Solutions will not be charged a fee for storage services provided by BellSouth to Momentum Business Solutions, 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 Momentum Business Solutions. Momentum Business Solutions shall have the right to have BellSouth contest with the imposing jurisdiction, at Momentum Business Solutions' expense, any such taxes that Momentum Business Solutions 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. Momentum Business Solutions 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 Momentum Business Solutions 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 Momentum Business Solutions 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 _____ (“Momentum Business Solutions”), effective the _____ day of _____, _____.

I. GENERAL

This Addendum sets forth the terms and conditions for Momentum Business Solutions’ 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 Momentum Business Solutions, 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 Momentum Business Solutions 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 Momentum Business Solutions.
- C. Special billing number - a ten digit number that identifies a billing account established by Momentum Business Solutions.
- D. Calling Card number - a billing number plus PIN number.
- E. PIN number - a four digit security code assigned by Momentum Business Solutions 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 Momentum Business Solutions.
- 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 Momentum Business Solutions.

III. RESPONSIBILITIES OF PARTIES

- A. Momentum Business Solutions 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 Momentum Business Solutions. Under normal operating conditions, BellSouth shall include Momentum Business Solutions' 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 Momentum Business Solutions' 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 Momentum Business Solutions 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 Momentum Business Solutions, and where the last four digits (PIN) are a security code assigned by Momentum Business Solutions.
 - 2. Determine whether Momentum Business Solutions or the subscriber has identified the billing number as one which should not be billed for collect or third number calls, or both.

- E. Momentum Business Solutions will provide its own billing number information to BellSouth for storage and to be used for Billed Number Screening and Calling Card Validation. Momentum Business Solutions will arrange and pay for transport of updates to BellSouth.

IV. COMPLIANCE

Unless expressly authorized in writing by Momentum Business Solutions, 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 Momentum Business Solutions 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 Momentum Business Solutions access to the BellSouth CNAM SCP for query or record storage purposes.
- 2.2 Momentum Business Solutions 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 Momentum Business Solutions' access to BellSouth's CNAM Database Services and shall be addressed to Momentum Business Solutions' Account Manager.

3. Physical Connection and Compensation

- 3.1 BellSouth's provision of CNAM Database Services to Momentum Business Solutions requires interconnection from Momentum Business Solutions 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, Momentum Business Solutions shall provide its own CNAM SSP. Momentum Business Solutions' CNAM SSPs must be compliant with TR-NWT-001188, "CLASS Calling Name Delivery Generic Requirements".
- 3.3 If Momentum Business Solutions 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 Momentum Business Solutions 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 Momentum Business Solutions for initial CNAM record load and/or updates shall be determined by mutual agreement. The initial load and all updates shall be provided by Momentum Business Solutions in the BellSouth specified format and shall contain records for every working telephone number that can originate phone calls. It is the responsibility of Momentum Business Solutions 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 4.3 Momentum Business Solutions 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

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 26, 2000 with Due Date of June 6, 2000 or Sooner

4. A firm order for a splitter issued to the BellSouth Complex Resale Support Group (CRSG) on or by April 26, 2000, with due date of June 6, 2000, or sooner, will be given priority over orders received after April 26, 2000. Orders for the first 200 splitters received prior to April 26, 2000, will be installed on or before June 5, 2000,

EXHIBIT C

and shall be installed in accordance with the priority list. The first 25 splitter orders shall be installed no later than May 22, 2000.

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

Orders Received after April 26, 2000

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

Orders Submitted with Due Dates After June 6, 2000

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

Georgia Rating/Ranking of Central Offices for Line sharing

March 9, 2000

**Covad, Rhythms, NorthPoint, New
Edge**

CLLI

Combined Ranking

MRTTGAMA	1
RSWLGAMA	2
ATLNGABU	3
ATLNGAPP	4
DLTHGAHS	5
ATLNGASS	6
CHMBGAMA	7
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	RLGHNCSE	NC	20
299	PMBHFLCS	FL	21
698	NWORLASW	LA	22
1354	NSVLTNBW	TN	23
1309	KNVLTNMA	TN	24
16	BRHMALEN	AL	25
17	BRHMALEW	AL	26
1345	MRBOTNMA	TN	27
1364	NSVLTNUN	TN	28
623	KNNRLABR	LA	29
984	CARYNCCE	NC	30
333	WPBHFLGA	FL	31
1356	NSVLTNCH	TN	32
1363	NSVLTNST	TN	33
429	LSVLKYAP	KY	34
20	BRHMALHW	AL	35
21	BRHMALMT	AL	36
638	LFYTLAMA	LA	37
1306	KNTNTNMA	TN	38
693	NWORLAMT	LA	39

149	BCRTFLMA	FL	40
150	BCRTFLSA	FL	41
1340	MMPHTNSL	TN	42
1338	MMPHTNMT	TN	43
307	PNSCFLFP	FL	44
22	BRHMALOM	AL	45
23	BRHMALOX	AL	46
176	DYBHFLMA	FL	47
1352	NSVLTNAP	TN	48
1332	MMPHTNCT	TN	49
334	WPBHFLGR	FL	50
249	MIAMFLCA	FL	51
732	SLIDLAMA	LA	52
1307	KNVLTNBE	TN	53
64	MTGMALDA	AL	54
24	BRHMALRC	AL	55
26	BRHMALVA	AL	56
196	FTPRFLMA	FL	57
1272	FKLNTNMA	TN	58
695	NWORLARV	LA	59
1019	GNBONCAS	NC	60
1068	RLGHNCGL	NC	61
692	NWORLAMR	LA	62
1310	KNVLTNWH	TN	63
179	DYBHFLPO	FL	64
34	BSMRALMA	AL	65
148	BCRTFLBT	FL	66
233	JPTRFLMA	FL	67
1357	NSVLTNDO	TN	68
697	NWORLASK	LA	69
189	FTLDFLJA	FL	70
262	MIAMFLRR	FL	71
288	ORLDFLPC	FL	72
1361	NSVLTNMC	TN	73
667	MONRLAMA	LA	74
664	MNFDLAMA	LA	75
157	BYBHFLMA	FL	76
170	DLBHFLKP	FL	77
554	BTRGLAGW	LA	78
1237	CHTGTNDT	TN	79
232	JCVLFLWC	FL	80
253	MIAMFLHL	FL	81
988	CHRLNCCE	NC	82

431	LSVLKYBR	KY	83
1353	NSVLTNBV	TN	84
1158	FLRNSCMA	SC	85
171	DLBHFLMA	FL	86
174	DRBHFLMA	FL	87
1323	MAVLTNMA	TN	88
1358	NSVLTNGH	TN	89
230	JCVLFLSJ	FL	90
301	PMBHFLMA	FL	91
265	MIAMFLWD	FL	92
287	ORLDFLMA	FL	93
1366	NSVLTNWM	TN	94
164	COCOFLMA	FL	95
187	FTLDFLCR	FL	96
188	FTLDFLCY	FL	97
330	VRBHFLMA	FL	98
1280	GDVLTNMA	TN	99
696	NWORLASC	LA	100
264	MIAMFLSO	FL	101
989	CHRLNCCR	NC	102
683	NWORLAAR	LA	103
1311	KNVLTNYH	TN	104
557	BTRGLAMA	LA	105
190	FTLDFLMR	FL	106
191	FTLDFLOA	FL	107
1250	CLVLTNMA	TN	108
987	CHRLNCCA	NC	109
430	LSVLKYBE	KY	110
338	WPBHFLRP	FL	111
271	MNDRFLLO	FL	112
229	JCVLFLRV	FL	113
1020	GNBONCEU	NC	114
306	PNSCFLBL	FL	115
192	FTLDLPL	FL	116
194	FTLDFLSU	FL	117
1236	CHTGTNBR	TN	118
986	CHRLNCBO	NC	119
687	NWORLACM	LA	120
1004	CPHLNCRO	NC	121
209	HLWDFLWH	FL	122
1341	MMPHTNST	TN	123
996	CHRLNCSH	NC	124
848	JCSNMSCP	MS	125

195	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	LSVLKYOYA	KY	133
992	CHRLNCLP	NC	134
356	BWLGKYMA	KY	135
207	HLWDFLMA	FL	136
218	JCBHFLMA	FL	137
305	PNCYFLMA	FL	138
1022	GNBONCLA	NC	139
220	JCVLFLAR	FL	140
335	WPBHFLHH	FL	141
319	SNFRFLMA	FL	142
439	LSVLKYSM	KY	143
222	JCVLFLCL	FL	144
90	TSCALMT	AL	145
221	JCVLFLBW	FL	146
223	JCVLFLFC	FL	147
1247	CLEVTNMA	TN	148
201	GSVLFLMA	FL	149
691	NWORLAMC	LA	150
300	PMBHFLFE	FL	151
293	OVIDFLCA	FL	152
594	FKTNLAMA	LA	153
231	JCVLFLSM	FL	154
66	MTGMALMT	AL	155
243	MIAMFLAE	FL	156
245	MIAMFLAP	FL	157
99	DCTRALMT	AL	158
217	JCBHFLAB	FL	159
286	ORLDFLCL	FL	160
1102	WNSLNCVI	NC	161
428	LSVLKYAN	KY	162
981	BURLNCDA	NC	163
59	MOBLALSH	AL	164
314	PTSLFLMA	FL	165
246	MIAMFLBA	FL	166
248	MIAMFLBR	FL	167
123	HNVIAMLT	AL	168

19	BRHMALFS	AL	169
690	NWORLAMA	LA	170
1287	HDVLTNMA	TN	171
290	ORLDFLSA	FL	172
1028	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
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	CLMASC SA	SC	219
686	NWORLACA	LA	220
1067	RLGHNCGA	NC	221
336	WPBHFLLE	FL	222
624	KNNRLAHN	LA	223
1207	SPBGSCMA	SC	224
1080	SLBRNCMA	NC	225
278	NDADFLGG	FL	226
302	PMBHFLTA	FL	227
1143	CLMASCSW	SC	228
440	LSVLKYTS	KY	229
1257	CRHTNMA	TN	230
28	BRHMALWL	AL	231
435	LSVLKYJT	KY	232
639	LFYTLAVM	LA	233
332	WPBHFLAN	FL	234
1369	OKRGTNMT	TN	235
126	HNVI ALUN	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	SHPTLA CL	LA	253
1388	SMYRTNMA	TN	254

1262	DKSNTNMT	TN	255
728	SHPTLAHD	LA	256
1031	HNVLNCCH	NC	257
971	APEXNCCE	NC	258
990	CHRLNCDE	NC	259
1346	MRTWTNMA	TN	260
852	JCSNMSRW	MS	261
1394	SPFDTNMA	TN	262
665	MNVLLAMA	LA	263
1023	GNBONCMC	NC	264
1106	AIKNSCMA	SC	265
991	CHRLNCER	NC	266
1072	RLGHNCSE	NC	267
645	LKCHLAUN	LA	268
1045	LNTNNCMA	NC	269
263	MIAMFLSH	FL	270
1017	GLBONCMA	NC	271
1308	KNVLTNFC	TN	272
1135	CLMASCCH	SC	273
1100	WNSLNCGL	NC	274
824	GLPTMSTS	MS	275
258	MIAMFLNS	FL	276
67	MTGMALNO	AL	277
259	MIAMFLOL	FL	278
1398	SVVLTNMT	TN	279
993	CHRLNCMI	NC	280
1085	SSVLNCMA	NC	281
982	BURLNCEL	NC	282
731	SHPTLASG	LA	283
1024	GNBONCPG	NC	284
74	PHCYALMA	AL	285
244	MIAMFLAL	FL	286
296	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
11	BLFNALMA	AL	308
427	LSVLKY26	KY	309
193	FTLDFLSG	FL	310
1242	CHTGTNRO	TN	311
212	HMSTFLNA	FL	312
159	CCBHFLMA	FL	313
985	CARYNCWS	NC	314
560	BTRGLASW	LA	315
295	PAHKFLMA	FL	316
1133	CLMASCAR	SC	317
250	MIAMFLDB	FL	318
122	HNVIALW	AL	319
1066	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	TSCALALNO	AL	358
317	SBSTFLMA	FL	359
527	WNCHKYMA	KY	360
58	MOBLALSF	AL	361
1239	CHTGTNMV	TN	362
1016	GLBONCAD	NC	363
770	BILXMSMA	MS	364
1400	TLLHTNMA	TN	365
109	FRHPALMA	AL	366
1368	NWPTTNMT	TN	367
56	MOBLALSA	AL	368
666	MONRLADS	LA	369
668	MONRLAWM	LA	370
57	MOBLALSE	AL	371
404	GRTWKYMA	KY	372
970	AHVLNCOT	NC	373
1385	SHVLTNMA	TN	374
780	BRNDMSES	MS	375
1414	WNCHTNMA	TN	376
1347	MSCTTNMT	TN	377
1315	LNCYTNMA	TN	378
240	LYHNFLOH	FL	379
1374	PLSKTNMA	TN	380
1317	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

ATTACHMENT A

BELLSOUTH/MOMENTUM BUSINESS SOLUTIONS, INC RATES
NETWORK ELEMENTS
AND OTHER SERVICES

DESCRIPTION	USOC	RATES BY STATE										
		AL	FL	GA	KY	LA	MS	NC	SC	TN		
NIDs												
NID to NID Cross Connect, 2-Wire or 4-Wire, NRC	UNDC2	NA	\$6.15	NA	NA	NA	NA	NA	NA	NA	NA	NA
NID to NID Cross Connect, 2-Wire or 4-Wire, NRC	UNDC4	NA	\$6.15	NA	NA	NA	NA	NA	NA	NA	NA	NA
NID, 1-2 lines	UND12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NRC - 1st	UND12	TBN	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBN
NRC - Add'l	UND12	TBN	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBN
NRC - Disconnect Charge - 1st	UND12	TBN	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBN
NRC - Disconnect Charge - Add'l	UND12	TBN	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBN
NRC - Incremental Charge - Manual Service Order - 1st	SOMAN	TBN	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBN
NRC - Incremental Charge - Manual Service Order - Add'l	SOMAN	TBN	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBN
NRC - Incremental Charge - Manual Service Order - Disconnect	SOMAN	TBN	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBN
NID, 1-6 lines	UND16	NA	NA	NA	TBD	NA	NA	NA	NA	NA	NA	NA
NRC - 1st	UND16	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN
NRC - Add'l	UND16	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN
NRC - Disconnect Charge - 1st	UND16	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN
NRC - Disconnect Charge - Add'l	UND16	TBN	TBN	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	TBN	TBN
NRC - Incremental Charge - Manual Service Order - Add'l	SOMAN	TBN	TBN	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	TBN	TBN
Nonrecurring Charge - customer transfer, feature additions, changes (1)		\$5.00	NA	NA	NA	NA	\$5.00	NA	NA	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	NA	NA
NRC - 1st		NA	NA	NA	\$86.08	NA	NA	NA	NA	NA	NA	NA
NRC - Add'l		NA	NA	NA	\$58.57	NA	NA	NA	NA	NA	NA	NA
2-Wire Analog VG Loop (Customized), per month	TBD	NA	NA	NA	\$21.41	NA	NA	NA	NA	NA	NA	NA
NRC - 1st		NA	NA	NA	\$236.75	NA	NA	NA	NA	NA	NA	NA
NRC - Add'l		NA	NA	NA	\$177.10	NA	NA	NA	NA	NA	NA	NA
4-Wire Analog VG Loop (Standard), per month	TBD	NA	NA	NA	\$26.38	NA	NA	NA	NA	NA	NA	NA
NRC - 1st		NA	NA	NA	\$457.14	NA	NA	NA	NA	NA	NA	NA
NRC - Add'l		NA	NA	NA	\$348.83	NA	NA	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	NA	NA
NRC - 1st		NA	NA	NA	\$541.28	NA	NA	NA	NA	NA	NA	NA
NRC - Add'l		NA	NA	NA	\$431.61	NA	NA	NA	NA	NA	NA	NA
2-Wire ADSL Loop (Standard), per month	TBD	NA	NA	NA	\$10.63	NA	NA	NA	NA	NA	NA	NA
NRC - 1st		NA	NA	NA	\$713.50	NA	NA	NA	NA	NA	NA	NA
NRC - Add'l		NA	NA	NA	\$609.44	NA	NA	NA	NA	NA	NA	NA
2-Wire HDSL Loop (Standard), per month	TBD	NA	NA	NA	\$7.40	NA	NA	NA	NA	NA	NA	NA
NRC - 1st		NA	NA	NA	\$713.50	NA	NA	NA	NA	NA	NA	NA
NRC - Add'l		NA	NA	NA	\$609.44	NA	NA	NA	NA	NA	NA	NA
4-Wire HDSL Loop (Standard), per month	TBD	NA	NA	NA	\$9.70	NA	NA	NA	NA	NA	NA	NA
NRC - 1st		NA	NA	NA	\$748.93	NA	NA	NA	NA	NA	NA	NA
NRC - Add'l		NA	NA	NA	\$646.17	NA	NA	NA	NA	NA	NA	NA
LOOP, INCLUDING NID												
2-Wire Analog VG Loop-SL1, per month												
RC - Statewide, per month	UEAL2	NA	NA	NA	NA	NA	NA	NA	\$15.88	NA	NA	NA
RC - Zone 1, per month (Note 2)	UEAL2	\$15.24	\$13.75	\$14.21	\$14.79	\$14.96	\$15.58	TBD	\$18.48	\$15.92	\$15.92	
RC - Zone 2, per month (Note 2)	UEAL2	\$24.75	\$20.13	\$16.41	\$27.68	\$25.69	\$20.65	TBD	\$27.87	\$20.79	\$20.79	
RC - Zone 3, per month (Note 2)	UEAL2	\$44.85	\$44.40	\$26.08	\$47.78	\$52.47	\$29.51	TBD	\$36.91	\$27.18	\$27.18	
RC - Zone 4, per month (Note 2)	UEAL2	NA	NA	NA	NA	NA	\$38.94	NA	NA	NA	NA	
NRC - 1st	UEAL2	\$59.03	\$80.00	\$42.54	NA	\$40.69	\$59.25	\$57.99	\$70.44	\$78.93	\$78.93	
NRC - Add'l	UEAL2	\$43.14	\$55.00	\$31.33	NA	\$29.96	\$43.67	\$42.37	\$44.05	\$50.98	\$50.98	

ATTACHMENT A

BELLSOUTH/MOMENTUM BUSINESS SOLUTIONS, INC RATES NETWORK ELEMENTS AND OTHER SERVICES

	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	SOMAN	\$17.77	NA	NA	NA	\$11.41	\$16.06	NA	NA	NA	
	2-Wire Analog VG Loop-SL2 w/loop or ground start signaling, per month											
	RC - Statewide, per month	UEAL2	NA	NA	NA	NA	NA	NA	\$19.50	NA	NA	
	RC - Zone 1, per month (Note 2)	UEAL2	\$17.95	\$13.75	\$16.84	\$17.27	\$17.65	\$18.35	TBD	\$21.57	\$15.92	
	RC - Zone 2, per month (Note 2)	UEAL2	\$29.16	\$20.13	\$19.45	\$32.32	\$30.32	\$24.33	TBD	\$32.53	\$20.79	
	RC - Zone 3, per month (Note 2)	UEAL2	\$52.84	\$44.40	\$30.92	\$55.78	\$61.93	\$34.77	TBD	\$43.08	\$27.18	
	RC - Zone 4, per month (Note 2)	UEAL2	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	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, per month											
	RC - Statewide, per month	UEAR2	NA	NA	NA	NA	NA	NA	\$19.50	NA	NA	
	RC - Zone 1, per month (Note 2)	UEAR2	\$17.95	\$13.75	\$16.84	\$17.27	\$17.65	\$18.35	TBD	\$21.57	\$15.92	
	RC - Zone 2, per month (Note 2)	UEAR2	\$29.16	\$20.13	\$19.45	\$32.32	\$30.32	\$24.33	TBD	\$32.53	\$20.79	
	RC - Zone 3, per month (Note 2)	UEAR2	\$52.84	\$44.40	\$30.92	\$55.78	\$61.93	\$34.77	TBD	\$43.08	\$27.18	
	RC - Zone 4, per month (Note 2)	UEAR2	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	\$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	\$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	
	4-Wire Analog VG Loop, per month											
	RC - Statewide, per month	UEAL4	NA	NA	NA	NA	NA	NA	\$27.49	NA	NA	
	RC - Zone 1, per month (Note 2)	UEAL4	\$24.01	\$24.26	\$22.26	NA	\$24.36	\$22.38	TBD	\$29.47	\$15.92	
	RC - Zone 2, per month (Note 2)	UEAL4	\$39.00	\$35.51	\$25.70	NA	\$41.85	\$29.67	TBD	\$44.44	\$20.79	
	RC - Zone 3, per month (Note 2)	UEAL4	\$70.67	\$78.35	\$40.85	NA	\$85.47	\$42.40	TBD	\$58.85	\$27.18	
	RC - Zone 4, per month (Note 2)	UEAL4	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	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 ISDN Digital Grade Loop, per month											
	RC - Statewide, per month	U1L2X	NA	NA	NA	NA	NA	NA	\$24.98	NA	NA	
	RC - Zone 1, per month (Note 2)	U1L2X	\$23.23	\$32.34	\$21.89	\$23.66	\$21.15	\$21.86	TBD	\$26.68	\$15.92	
	RC - Zone 2, per month (Note 2)	U1L2X	\$37.74	\$47.35	\$25.27	\$44.28	\$36.22	\$28.97	TBD	\$40.24	\$20.79	
	RC - Zone 3, per month (Note 2)	U1L2X	\$68.38	\$104.47	\$40.17	\$76.42	\$74.19	\$41.40	TBD	\$53.29	\$27.18	
	RC - Zone 4, per month (Note 2)	U1L2X	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	

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BELLSOUTH/MOMENTUM BUSINESS SOLUTIONS, INC RATES NETWORK ELEMENTS AND OTHER SERVICES

	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	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 Universal Digital Carrier (UDC), statewide, per month	UDC2X	NA	NA	NA	NA	NA	NA	\$24.98	NA	NA	
	Zone 1, per month	UDC2X	\$23.23	\$32.34	\$21.89	\$23.66	\$21.15	\$21.86	TBD	\$26.68	\$15.92	
	Zone 2, per month	UDC2X	\$37.74	\$47.35	\$25.27	\$44.28	\$36.22	\$28.97	TBD	\$40.24	\$20.79	
	Zone 3, per month	UDC2X	\$68.38	\$104.47	\$40.17	\$76.42	\$74.19	\$41.40	TBD	\$53.29	\$27.18	
	Zone 4, per month	UDC2X	NA	NA	NA	NA	NA	\$54.64	NA	NA	NA	
	NRC - 1st	UDC2X	\$331.85	\$306.00	\$233.38	NA	\$223.27	\$326.38	\$325.91	\$423.04	\$58.50	
	NRC - Add'l	UDC2X	\$255.87	\$283.00	\$180.35	NA	\$172.63	\$252.00	\$251.31	\$301.75	\$31.00	
	NRC - Disconnect Charge - 1st	UDC2X	\$108.95	NA	NA	NA	\$74.27	\$108.14	NA	NA	NA	
	NRC - Disconnect Charge - Add'l	UDC2X	\$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	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, includes manual service inquiry and facility reservation, statewide, per month											
	RC - Statewide, per month	UAL2X	NA	NA	NA	NA	NA	NA	\$14.60	NA	\$18.46	
	RC - Zone 1, per month (Note 2)	UAL2X	\$12.09	\$12.78	\$11.23	\$8.79	\$11.90	\$10.87	TBD	\$17.10	\$15.93	
	RC - Zone 2, per month (Note 2)	UAL2X	\$19.64	\$18.72	\$12.97	\$16.46	\$20.43	\$14.40	TBD	\$25.79	\$20.05	
	RC - Zone 3, per month (Note 2)	UAL2X	\$35.59	\$41.29	\$20.62	\$28.40	\$41.73	\$20.58	TBD	\$34.15	\$28.74	
	RC - Zone 4, per month (Note 2)	UAL2X	NA	NA	NA	NA	NA	\$27.16	NA	NA	NA	
	NRC - 1st	UAL2X	\$514.21	\$113.85	\$359.73	NA	\$343.13	\$504.82	\$504.90	\$600.61	\$640.79	
	NRC - Add'l	UAL2X	\$464.58	\$99.61	\$325.15	NA	\$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	NA	\$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	NA	NA	NA	NA	NA	NA	\$14.60	NA	\$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	
	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, includes manual service inquiry and facility reservation, statewide, per month											
	RC - Statewide, per month	UHL2X	NA	NA	NA	NA	NA	NA	\$11.98	NA	\$13.46	

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BELLSOUTH/MOMENTUM BUSINESS SOLUTIONS, INC RATES NETWORK ELEMENTS AND OTHER SERVICES

	RC - Zone 1, per month (Note 2)	UHL2X	\$9.41	\$9.80	\$7.88	\$6.29	\$8.97	\$8.50	TBD	\$12.21	\$11.62
	RC - Zone 2, per month (Note 2)	UHL2X	\$15.29	\$14.35	\$9.09	\$11.78	\$15.41	\$11.26	TBD	\$18.41	\$14.62
	RC - Zone 3, per month (Note 2)	UHL2X	\$27.70	\$31.65	\$14.46	\$20.33	\$31.48	\$16.10	TBD	\$24.39	\$20.96
	RC - Zone 4, per month (Note 2)	UHL2X	NA	NA	NA	NA	NA	\$21.25	NA	NA	NA
	NRC - 1st	UHL2X	\$514.21	\$113.85	\$359.73	NA	\$343.13	\$504.82	\$504.90	\$600.61	\$640.79
	NRC - Add'l	UHL2X	\$464.58	\$99.61	\$325.15	NA	\$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	NA	NA	NA	NA	NA	NA	\$11.98	NA	\$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	NA	NA	NA	NA	NA	NA	\$13.97	NA	\$17.91
	RC - Statewide, per month	UHL4X	NA	NA	NA	NA	NA	NA	\$13.97	NA	\$17.91
	RC - Zone 1, per month (Note 2)	UHL4X	\$11.52	\$14.75	\$10.39	\$7.68	\$12.97	\$10.36	TBD	\$16.21	\$15.46
	RC - Zone 2, per month (Note 2)	UHL4X	\$18.71	\$21.59	\$12.00	\$14.38	\$21.76	\$13.73	TBD	\$24.45	\$19.46
	RC - Zone 3, per month (Note 2)	UHL4X	\$33.90	\$47.64	\$19.07	\$24.82	\$44.44	\$19.62	TBD	\$32.38	\$27.88
	RC - Zone 4, per month (Note 2)	UHL4X	NA	NA	NA	NA	NA	\$25.90	NA	NA	NA
	NRC - 1st	UHL4X	\$541.13	\$116.91	\$378.86	NA	\$361.45	\$531.21	\$531.35	\$625.11	\$666.70
	NRC - Add'l	UHL4X	\$491.50	\$101.71	\$344.28	NA	\$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
	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, <u>without</u> manual service inquiry and facility reservation, per month, statewide	UHL4W	NA	NA	NA	NA	NA	NA	\$13.97	NA	\$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

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BELLSOUTH/MOMENTUM BUSINESS SOLUTIONS, INC RATES NETWORK ELEMENTS AND OTHER SERVICES

	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, per month											
	RC - Statewide, per month	USLXX	NA	NA	NA	NA	NA	NA	\$62.78	NA	TBD	
	RC - Zone 1, per month (Note 2)	USLXX	\$51.74	\$64.69	\$55.53	\$50.26	\$56.32	\$50.99	TBD	\$59.61	TBD	
	RC - Zone 2, per month (Note 2)	USLXX	\$84.05	\$94.71	\$64.13	\$94.06	\$96.73	\$67.58	TBD	\$89.90	TBD	
	RC - Zone 3, per month (Note 2)	USLXX	\$152.29	\$208.93	\$101.93	\$162.34	\$197.57	\$96.58	TBD	\$119.06	TBD	
	RC - Zone 4, per month (Note 2)	USLXX	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	\$26.94	\$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	\$45.34	\$48.47	NA	
	4-Wire 56 Kbps Dig Grade Loop, per month											
	RC - Statewide, per month	UDL56	NA	NA	NA	NA	NA	NA	\$32.67	NA	\$42.23	
	RC - Zone 1, per month (Note 2)	UDL56	\$27.33	\$39.08	\$25.75	NA	\$27.50	\$25.61	TBD	\$34.26	\$36.45	
	RC - Zone 2, per month (Note 2)	UDL56	\$44.40	\$57.21	\$29.74	NA	\$47.24	\$33.94	TBD	\$51.67	\$45.87	
	RC - Zone 3, per month (Note 2)	UDL56	\$80.45	\$126.22	\$47.27	NA	\$96.48	\$48.51	TBD	\$68.43	\$65.75	
	RC - Zone 4, per month (Note 2)	UDL56	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	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, per month											
	RC - Statewide, per month	UDL64	NA	NA	NA	NA	NA	NA	\$32.67	\$41.70	\$42.23	
	RC - Zone 1, per month (Note 2)	UDL64	\$27.33	\$39.08	\$25.75	NA	\$27.50	\$25.61	TBD	\$34.26	\$36.45	
	RC - Zone 2, per month (Note 2)	UDL64	\$44.40	\$57.21	\$29.74	NA	\$47.24	\$33.94	TBD	\$51.67	\$45.87	
	RC - Zone 3, per month (Note 2)	UDL64	\$80.45	\$126.22	\$47.27	NA	\$96.48	\$48.51	TBD	\$68.43	\$65.75	
	RC - Zone 4, per month (Note 2)	UDL64	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	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 *											
	RC - Statewide, per month	UCLPB	\$15.11	\$18.00	\$13.97	\$11.89	\$21.00	NA	\$19.00	\$20.81	\$12.16	
	RC - Zone 1, per month (Note 2)	UCLPB	TBD	\$18.60	\$19.80	TBD	\$18.80	\$16.85	TBD	\$18.90	\$19.85	
	RC - Zone 2, per month (Note 2)	UCLPB	TBD	\$27.23	\$22.86	TBD	\$25.85	\$22.34	TBD	\$28.50	\$24.98	
	RC - Zone 3, per month (Note 2)	UCLPB	TBD	\$60.07	\$36.34	TBD	\$39.14	\$31.92	TBD	\$37.75	\$35.81	
	RC - Zone 4, per month (Note 2)	UCLPB	NA	NA	NA	NA	NA	\$42.13	NA	NA	NA	
	NRC - 1st	UCLPB	\$514.21	\$340.00	\$395.16	\$713.50	\$340.00	\$504.82	\$450.00	\$600.61	\$270.01	
	NRC - Add'l	UCLPB	\$464.58	\$300.00	\$217.39	\$609.44	\$300.00	\$456.24	\$390.00	\$507.33	\$234.63	

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**BELLSOUTH/MOMENTUM BUSINESS SOLUTIONS, INC RATES
NETWORK ELEMENTS
AND OTHER SERVICES**

	NRC - Disconnect Charge - 1st	UCLPB	TBD	TBD	\$142.27	NA	\$72.54	\$105.86	NA	NA	\$74.54
	NRC - Disconnect Charge - Add'l	UCLPB	TBD	TBD	\$37.86	NA	\$39.42	\$57.25	NA	NA	\$39.14
	NRC - Incremental Charge - Manual Service Order - 1st	SOMAN	\$47.00	\$47.00	\$18.94	\$47.00	\$18.14	\$25.52	\$47.00	\$47.00	NA
	NRC - Incremental Charge - Manual Service Order - Add'l	SOMAN	\$21.00	\$21.00	\$8.42	\$21.00	\$8.06	\$11.34	\$21.00	\$25.52	NA
	NRC - Incremental Charge - Manual Service Order - Disconnect - 1st	SOMAN	\$17.77	NA	\$142.27	\$17.77	\$11.41	\$16.06	NA	\$21.00	NA
	NRC - Incremental Charge - Manual Service Order - Disconnect - Add'l	SOMAN	\$17.77	NA	\$37.86	\$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	\$16.00	\$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	NA	NA	NA	NA	NA	NA	\$19.00	NA	\$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										
	RC - Statewide, per month	UCL2L	\$40.00	\$35.00	\$41.61	\$40.00	\$37.00	\$45.00	\$35.00	\$40.00	\$35.00
	RC - Zone 1, per month (Note 2)	UCL2L	TBD	\$18.60	\$19.80	TBD	\$18.80	\$16.85	TBD	\$18.90	\$19.85
	RC - Zone 2, per month (Note 2)	UCL2L	TBD	\$27.23	\$22.86	TBD	\$25.85	\$22.34	TBD	\$28.50	\$24.98
	RC - Zone 3, per month (Note 2)	UCL2L	TBD	\$60.07	\$36.34	TBD	\$39.14	\$31.92	TBD	\$37.75	\$35.81
	RC - Zone 4, per month (Note 2)	UCL2L	NA	NA	NA	NA	NA	\$42.13	NA	NA	NA
	NRC - 1st	UCL2L	\$514.21	\$340.00	\$395.16	\$713.50	\$340.00	\$504.82	\$450.00	\$600.61	\$270.01
	NRC - Add'l	UCL2L	\$464.58	\$300.00	\$217.39	\$609.44	\$300.00	\$456.24	\$390.00	\$507.33	\$234.63
	NRC - Disconnect Charge - 1st	UCL2L	NA	NA	\$142.27	NA	\$72.54	\$105.86	NA	NA	\$74.54
	NRC - Disconnect Charge - Add'l	UCL2L	NA	NA	\$37.86	NA	\$39.42	\$57.25	NA	NA	\$39.14
	NRC - Incremental Charge - Manual Service Order - 1st	SOMAN	\$47.00	\$47.00	\$18.94	\$47.00	\$18.14	\$25.52	\$47.00	\$47.00	NA
	NRC - Incremental Charge - Manual Service Order - Add'l	SOMAN	\$21.00	\$21.00	\$8.42	\$21.00	\$8.06	\$11.34	\$21.00	\$25.52	NA
	NRC - Incremental Charge - Manual Service Order - Disconnect - 1st	SOMAN	\$17.77	NA	\$142.27	\$17.77	\$11.41	\$16.06	NA	\$21.00	NA
	NRC - Incremental Charge - Manual Service Order - Disconnect - Add'l	SOMAN	\$17.77	NA	\$37.86	\$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	\$16.00	\$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								
	Zone 2, per month	UCL2W	TBD								
	Zone 3, per month	UCL2W	TBD								
	Zone 4, per month	UCL2W	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

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BELLSOUTH/MOMENTUM BUSINESS SOLUTIONS, INC RATES NETWORK ELEMENTS AND OTHER SERVICES

	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	\$16.00	\$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	TBD	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	
	4-Wire Unbundled Copper Loop/Long (greater than 18kft), includes manual service inquiry 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	TBD	
	Zone 2, per month	UCL4L	TBD	TBD	\$54.92	TBD	TBD	TBD	TBD	TBD	TBD	
	Zone 3, per month	UCL4L	TBD	TBD	\$87.30	TBD	TBD	TBD	TBD	TBD	TBD	
	Zone 4, per month	UCL4L	NA	NA	NA	NA	NA	TBN	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	

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BELLSOUTH/MOMENTUM BUSINESS SOLUTIONS, INC RATES NETWORK ELEMENTS AND OTHER SERVICES

	Zone 4, per month	UCL40	NA	NA	NA	NA	NA	NA	TBN	NA	NA	NA	
	NRC - 1st	UCL40	TBD	TBD	\$397.06	TBD	TBD	TBD	TBD	TBD	TBD	TBD	
	NRC - Add'l	UCL40	TBD	TBD	\$227.88	TBD	TBD	TBD	TBD	TBD	TBD	TBD	
	NRC - Disconnect Charge - 1st	UCL40	TBD	TBD	\$156.25	TBD	TBD	TBD	TBD	TBD	TBD	TBD	
	NRC - Disconnect Charge - Add'l	UCL40	TBD	TBD	\$41.96	TBD	TBD	TBD	TBD	TBD	TBD	TBD	
	NRC - Incremental Charge - Manual Service Order - 1st	SOMAN	TBD	TBD	NA	TBD	TBD	TBD	TBD	TBD	TBD	TBD	
	NRC - Incremental Charge - Manual Service Order - Add'l	SOMAN	TBD	TBD	NA	TBD	TBD	TBD	TBD	TBD	TBD	TBD	
	NRC - Incremental Charge - Manual Service Order - Disconnect	SOMAN	TBD	TBD	NA	TBD	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	TBD	
	DS3 Local Loop												
	DS3 Unbundled Local Loop - per mile	1L5ND	\$10.85	\$11.97	\$8.90	\$43.69	\$11.26	\$54.39	\$11.40	\$15.53	\$30.53		
	DS3 Unbundled Local Loop- per Facility Termination	UE3PX	\$419.65	\$407.58	\$390.34	\$436.95	\$439.59	\$427.81	\$413.09	\$421.60	\$400.21		
	NRC - Facility Termination - 1st	UE3PX	\$640.54	\$910.45	\$639.50	\$1,091.00	\$594.70	\$975.22	\$757.25	\$735.42	\$726.16		
	NRC - Facility Termination - Add'l	UE3PX	\$426.82	\$532.19	\$426.40	\$661.23	\$396.54	\$549.17	\$534.95	\$519.31	\$411.64		
	NRC - Facility Termination - Disconnect - 1st	UE3PX	\$121.72	\$223.20	\$122.31	NA	\$102.16	\$134.07	NA	NA	\$103.36		
	NRC - Facility Termination - Disconnect - Add'l	UE3PX	\$118.54	\$156.12	\$119.14	NA	\$99.46	\$130.59	NA	NA	\$100.59		
	NRC - Manual Svc Order, per LSR	SOMAN	NA	\$21.73	NA	\$19.99	NA	NA	NA	NA	\$19.99		
	NRC - Manual Svc Order, per LSR disconnect	SOMAN	NA	\$3.87	NA	NA	NA	NA	NA	NA	NA		
	NRC - Electronic Svc Order, per LSR	SOMEK	\$3.50	\$2.77	\$3.50	\$3.50	\$3.50	\$3.50	\$3.50	\$3.50	\$3.50		
	NRC - Electronic Svc Order, per LSR disconnect	SOMEK	NA	\$0.43	NA	NA	NA	NA	NA	NA	NA		
	NRC - Incremental Charge--Manual Svc Order - 1st	SOMAN	\$38.48	NA	\$37.55	NA	\$34.92	\$68.62	\$55.00	\$54.26	NA		
	NRC - Incremental Charge--Manual Svc Order - Add'l	SOMAN	\$38.48	NA	\$37.55	NA	\$34.92	\$68.62	\$55.00	\$54.26	NA		
	NRC - Incremental Cost - Manual Svc. Order vs. Elect-Disconnect-1st	SOMAN	\$19.03	NA	\$18.03	NA	\$20.94	\$28.59	NA	NA	NA		
	NRC - Incremental Cost - Manual Svc. Order vs. Elect-Disconnect-Add'l	SOMAN	\$19.03	NA	\$18.03	NA	\$20.94	\$28.59	NA	NA	NA		
	STS-1 Local Loop												
	STS-1 Unbundled Local Loop - per mile	1L5ND	\$10.85	\$11.97	\$8.90	\$43.69	\$11.29	\$54.39	\$11.40	\$15.53	\$30.53		
	STS-1 Unbundled Local Loop- per Facility Termination	UDLS1	\$434.31	\$449.40	\$390.34	\$436.95	\$454.28	\$427.81	\$428.93	\$431.32	\$400.21		
	NRC - STS-1 - Facility Termination - 1st	UDLS1	\$640.54	\$910.45	\$639.50	\$1,091	\$594.71	\$975.22	\$757.25	\$735.42	\$726.16		
	NRC - STS-1 - Facility Termination - Add'l	UDLS1	\$426.82	\$532.19	\$426.40	\$661.23	\$396.54	\$549.17	\$534.95	\$519.31	\$411.64		
	NRC - STS-1 - Facility Termination - Disconnect - 1st	UDLS1	\$121.72	\$223.20	\$122.31	NA	\$113.75	\$134.07	NA	NA	\$103.36		
	NRC - STS-1 - Facility Termination - Disconnect - Add'l	UDLS1	\$118.54	\$156.12	\$119.14	NA	\$110.80	\$130.59	NA	NA	\$100.59		
	NRC - Manual Svc Order, per LSR	SOMAN	NA	\$21.73	NA	\$19.99	NA	NA	NA	NA	\$19.99		
	NRC - Manual Svc Order, per LSR disconnect	SOMAN	NA	\$3.87	NA	NA	NA	NA	NA	NA	NA		
	NRC - Electronic Svc Order, per LSR	SOMEK	\$3.50	\$2.77	\$3.50	\$3.50	\$3.50	\$3.50	\$3.50	\$3.50	\$3.50		
	NRC - Electronic Svc Order, per LSR disconnect	SOMEK	NA	\$0.43	NA	NA	NA	NA	NA	NA	NA		
	NRC - STS-1 - Incremental Charge--Manual Svc Order - 1st	SOMAN	\$38.48	NA	\$37.55	NA	\$34.92	\$68.62	\$55.00	\$54.26	NA		
	NRC - STS-1 - Incremental Charge--Manual Svc Order - Add'l	SOMAN	\$38.48	NA	\$37.55	NA	\$34.92	\$68.62	\$55.00	\$54.26	NA		
	NRC - STS-1 - Incremental Cost - Manual Svc. Order vs. Elect-Disconnect-1st	SOMAN	\$19.03	NA	\$18.03	NA	\$16.77	\$28.59	NA	NA	NA		
	NRC - STS-1 - Incremental Cost - Manual Svc. Order vs. Elect-Disconnect-Add'l	SOMAN	\$19.03	NA	\$18.03	NA	\$16.77	\$28.59	NA	NA	NA		
	OC3- Local Loop												
	Local Loop - OC3 - per Mile	TBD	\$8.23	\$9.08	\$6.75	\$33.15	\$29.58	\$41.27	\$24.69	\$11.78	\$23.16		
	Local Loop - OC3 - per Facility Termination	TBD	\$691.33	\$651.40	\$630.21	\$713.29	\$753.65	\$689.68	\$611.36	\$701.71	\$620.20		
	NRC - OC3 - Facility Termination - 1st	TBD	\$949.63	\$974.02	\$947.69	\$1,543	\$1,025	\$1,427	\$1,411	\$1,044	\$1,050		
	NRC - OC3 - Facility Termination - Add'l	TBD	\$413.38	\$412.05	\$413.00	\$661.23	\$402.63	\$549.17	\$542.73	\$505.88	\$411.64		
	NRC - OC3 - Facility Termination - Disconnect - 1st	TBD	\$121.72	\$112.44	\$122.31	NA	\$102.16	\$134.07	\$131.65	NA	\$103.36		
	NRC - OC3 - Facility Termination - Disconnect - Add'l	TBD	\$118.54	\$109.19	\$119.14	NA	\$99.46	\$130.59	\$128.19	NA	\$100.59		
	NRC - Manual Svc Order, per LSR	SOMAN	NA	\$21.73	NA	\$19.99	NA	NA	NA	NA	\$19.99		
	NRC - Manual Svc Order, per LSR disconnect	SOMAN	NA	\$3.87	NA	NA	NA	NA	NA	NA	NA		
	NRC - Electronic Svc Order, per LSR	SOMEK	\$3.50	\$2.77	\$3.50	\$3.50	\$3.50	\$3.50	\$3.50	\$3.50	\$3.50		
	NRC - Electronic Svc Order, per LSR disconnect	SOMEK	NA	\$0.43	NA	NA	NA	NA	NA	NA	NA		
	NRC - OC3 - Incremental Charge--Manual Svc Order - 1st	SOMAN	\$38.48	NA	\$37.55	\$93.12	\$50.25	\$68.62	\$69.34	\$54.26	NA		
	NRC - OC3 - Incremental Charge--Manual Svc Order - Add'l	SOMAN	\$38.48	NA	\$37.55	\$93.12	\$50.25	\$68.62	\$69.34	\$54.26	NA		
	NRC - OC3 -Incremental Cost - Manual Svc. Order vs. Elect-Disconnect-1st	SOMAN	\$19.03	NA	\$18.03	NA	\$20.94	\$28.59	\$29.76	NA	NA		
	NRC - OC3 -Incremental Cost - Manual Svc. Order vs. Elect-Disconnect-Add'l	SOMAN	\$19.03	NA	\$18.03	NA	\$20.94	\$28.59	\$29.76	NA	NA		
	OC -12 Local Loop												

ATTACHMENT A

BELLSOUTH/MOMENTUM BUSINESS SOLUTIONS, INC RATES NETWORK ELEMENTS AND OTHER SERVICES

	Local Loop - OC12 - per Mile	TBD	\$10.13	\$11.18	\$8.31	\$40.80	\$36.40	\$50.79	\$30.38	\$14.50	\$28.51	
	Local Loop - OC12 - per Facility Termination	TBD	\$2,557	\$2,068	\$2,109.00	\$2,457	\$2,571	\$2,371	\$2,122	\$2,663	\$2,079	
	NRC - OC12 - Facility Termination - 1st	TBD	\$1,165	\$1,193	\$1,162.00	\$1,858	\$1,245	\$1,742	\$1,722	\$1,259	\$1,276	
	NRC - OC12 - Facility Termination - Add'l	TBD	\$413.38	\$412.05	\$413.00	\$661.23	\$402.63	\$549.17	\$542.73	\$505.88	\$411.64	
	NRC - OC12 - Facility Termination - Disconnect - 1st	TBD	\$121.72	\$112.44	\$122.31	NA	\$102.16	\$134.07	\$131.65	NA	\$103.36	
	NRC - OC12 - Facility Termination - Disconnect - Add'l	TBD	\$118.54	\$109.19	\$119.14	NA	\$99.46	\$130.59	\$128.19	NA	\$100.59	
	NRC - Manual Svc Order, per LSR	SOMAN	NA	\$21.73	NA	\$19.99	NA	NA	NA	NA	\$19.99	
	NRC - Manual Svc Order, per LSR disconnect	SOMAN	NA	\$3.87	NA	NA	NA	NA	NA	NA	NA	
	NRC - Electronic Svc Order, per LSR	SOME C	\$3.50	\$2.77	\$3.50	\$3.50	\$3.50	\$3.50	\$3.50	\$3.50	\$3.50	
	NRC - Electronic Svc Order, per LSR disconnect	SOME C	NA	\$0.43	NA	NA	NA	NA	NA	NA	NA	
	NRC -OC12 - Incremental Charge - Manual Svc Order - 1st	SOMAN	\$38.48	NA	\$37.55	\$93.12	\$50.25	\$68.62	\$69.34	\$54.26	NA	
	NRC - OC12 - Incremental Charge - Manual Svc Order - Add'l	SOMAN	\$38.48	NA	\$37.55	\$93.12	\$50.25	\$68.62	\$69.34	\$54.26	NA	
	NRC - OC12 - Incremental Cost-Manual Svc. Order vs. Elect-Disconnect-1st	SOMAN	\$19.03	NA	\$18.03	NA	\$20.94	\$28.59	\$29.76	NA	NA	
	NRC - OC12 - Incremental Cost-Manual Svc. Order vs. Elect-Disconnect-Add'l	SOMAN	\$19.03	NA	\$18.03	NA	\$20.94	\$28.59	\$29.76	NA	NA	
	OC - 48 Local Loop											
	Local Loop - OC48 - per Mile	TBD	\$33.22	\$36.67	\$27.25	\$133.84	\$119.40	\$166.59	\$120.02	\$47.57	\$93.50	
	Local Loop - OC48 - per Facility Termination	TBD	\$1,713	\$1,699	\$1,598.00	\$2,129	\$2,268	\$1,753	\$1,677	\$1,733	\$1,832	
	Local Loop - OC12 interface on OC48 Facility	TBD	\$736.71	\$592.09	\$594.80	\$725.77	\$723.29	\$667.00	\$582.66	\$773.40	\$570.54	
	NRC - OC48 - Facility Termination - 1st	TBD	\$1,165	\$1,193	\$1,162.00	\$1,858	\$1,245	\$1,742	\$1,722	\$1,259	\$1,276	
	NRC - OC48 - Facility Termination - Add'l	TBD	\$413.38	\$412.05	\$413.00	\$661.23	\$402.63	\$549.17	\$542.73	\$505.88	\$411.64	
	NRC - OC48 - Interface OC12 on OC48 - 1st	TBD	\$121.72	\$472.77	\$539.36	\$844.21	\$532.13	\$729.04	\$720.81	\$635.04	\$544.55	
	NRC - OC48 - Interface OC12 on OC48 - Add'l	TBD	\$118.54	\$329.91	\$317.38	\$516.89	\$304.90	\$404.94	\$400.38	\$410.02	\$311.39	
	NRC - OC48 - Facility Termination - Disconnect - 1st	TBD	\$121.72	\$108.95	\$122.31	NA	\$102.16	\$134.07	\$131.65	NA	\$103.36	
	NRC - OC48 - Facility Termination - Disconnect - Add'l	TBD	\$118.54	\$106.01	\$119.14	NA	\$99.46	\$130.59	\$128.19	NA	\$100.59	
	NRC - OC48 - Interface OC12 on OC48 - Disconnect - 1st	TBD	\$121.72	\$108.95	\$122.31	NA	\$102.16	\$134.07	\$131.65	NA	\$103.36	
	NRC - OC48 - Interface OC12 on OC48 - Disconnect - Add'l	TBD	\$118.54	\$106.01	\$119.14	NA	\$99.46	\$130.59	\$128.19	NA	\$100.59	
	NRC - Manual Svc Order, per LSR	SOMAN	NA	\$21.73	NA	\$19.99	NA	NA	NA	NA	\$19.99	
	NRC - Manual Svc Order, per LSR disconnect	SOMAN	NA	\$3.87	NA	NA	NA	NA	NA	NA	NA	
	NRC - Electronic Svc Order, per LSR	SOME C	\$3.50	\$2.77	\$3.50	\$3.50	\$3.50	\$3.50	\$3.50	\$3.50	\$3.50	
	NRC - Electronic Svc Order, per LSR disconnect	SOME C	NA	\$0.43	NA	NA	NA	NA	NA	NA	NA	
	NRC - OC48 - Facility Termination-Manual Svc Order vs Electronic-Disconnect-1st	SOMAN	\$19.03	NA	\$37.55	NA	\$20.94	\$28.59	\$29.76	NA	NA	
	NRC - OC48 - Facility Termination-Manual Svc Order vs Electronic-Disconnect-Add'l	SOMAN	\$19.03	NA	\$37.55	NA	\$20.94	\$28.59	\$29.76	NA	NA	
	NRC - OC48 - Interface - Manual Svc Order vs Electronic-Disconnect-1st	SOMAN	\$19.03	NA	\$37.55	NA	\$20.94	\$28.59	\$29.76	NA	NA	
	NRC - OC48 - Interface - Manual Svc Order vs Electronic-Disconnect-Add'l	SOMAN	\$19.03	NA	\$37.55	NA	\$20.94	\$28.59	\$29.76	NA	NA	
	NRC - OC-48 - Incremental Charge--Manual Svc Order-1st	SOMAN	\$38.48	NA	\$18.03	\$93.12	\$50.25	\$68.62	\$69.34	\$54.26	NA	
	NRC - OC-48 - Incremental Charge--Manual Svc Order-Add'l	SOMAN	\$38.48	NA	\$18.03	\$93.12	\$50.25	\$68.62	\$69.34	\$54.26	NA	
	NRC - OC48 - Interface OC12 on OC48 - Incremental Charge--Manual Svc Order	SOMAN	\$38.48	NA	\$18.03	\$93.12	\$50.25	\$68.62	\$69.34	NA	NA	
	NRC - OC48 - Interface OC12 on OC48 - Incremental Charge--Manual Svc Order-Add'l	SOMAN	\$38.48	NA	\$18.03	\$93.12	\$50.25	\$68.62	\$69.34	NA	NA	
	Unbundled Loop Modification											
	NRC - Load Coil/Equipment Removal per 2 Wire pair - Loops less than or equal to 18kft	ULM2L	\$80.55	\$80.55	\$69.28	\$80.55	\$80.55	\$80.55	\$80.55	\$80.55	\$80.55	
	NRC - Load Coil/Equipment Removal per 2 Wire pair - Loops greater than 18kft - 1st	ULM2G	\$880.00	\$880.00	\$757.04	\$880.00	\$880.00	\$880.00	\$880.00	\$880.00	\$880.00	
	NRC - Load Coil/Equipment Removal per 2 Wire pair - Loops greater than 18kft - Add'l	ULM2G	\$27.30	\$27.30	\$23.49	\$27.30	\$27.30	\$27.30	\$27.30	\$27.30	\$27.30	
	NRC - Load Coil/Equipment Removal per 4 Wire pair - Loops less than or equal to 18kft	ULM4G	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	
	NRC - Load Coil/Equipment Removal per 4 Wire pair - Loops greater than 18kft - 1st	ULM4L	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	
	NRC - Load Coil/Equipment Removal per 4 Wire pair - Loops greater than 18kft - Add'l	ULM4L	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	
	NRC - Bridge Tap Removal per pair unloaded	ULMBT	\$121.14	\$121.14	\$79.99	\$121.14	\$121.14	\$121.14	\$121.14	\$121.14	\$121.14	
	UNBUNDLED SUB-LOOPS											

ATTACHMENT A

BELLSOUTH/MOMENTUM BUSINESS SOLUTIONS, INC RATES NETWORK ELEMENTS AND OTHER SERVICES

SUB-LOOP DISTRIBUTION											
Cross-Box Set-Up											
	NRC - Set-Up per Cross Box location in the field - CLEC Feeder Facility set-up	USBSA	TBN	TBN	\$421.08	TBN	TBN	TBN	TBN	TBN	TBN
	NRC - Set-Up per Cross Box location in the field - per 25 pair panel set-up	USBSB	TBN	TBN	\$67.10	TBN	TBN	TBN	TBN	TBN	TBN
	NRC - Set-Up per Building Equipment Room - CLEC Feeder Facility set-up	USBSC	TBN	TBN	\$394.74	TBN	TBN	TBN	TBN	TBN	TBN
	NRC - Set-Up per Building Equipment Room - per 25 pair panel set-up	USBSD	TBN	TBN	\$154.57	TBN	TBN	TBN	TBN	TBN	TBN
Loop Distribution per 2-Wire Analog VG Sub-Loop, per month											
	NRC - 1st	USBN2	TBN	TBN	\$9.12	\$10.83	TBN	TBN	TBN	TBN	TBN
	NRC - Add'l	USBN2	TBN	TBN	\$207.01	\$459.85	TBN	TBN	TBN	TBN	TBN
	NRC - Disconnect Charge - 1st	USBN2	TBN	TBN	\$171.32	\$352.89	TBN	TBN	TBN	TBN	TBN
	NRC - Disconnect Charge - Add'l	USBN2	TBN	TBN	TBD	TBN	TBN	TBN	TBN	TBN	TBN
	NRC - Incremental Charge - Manual Service Order - 1st	SOMAN	TBN	TBN	TBD	TBN	TBN	TBN	TBN	TBN	TBN
	NRC - Incremental Charge - Manual Service Order - Add'l	SOMAN	TBN	TBN	\$18.94	TBN	TBN	TBN	TBN	TBN	TBN
	NRC - Incremental Charge - Manual Service Order - Disconnect	SOMAN	TBN	TBN	\$8.42	TBN	TBN	TBN	TBN	TBN	TBN
	NRC - Incremental Charge - Manual Order Coordination - per loop	SOMAN	TBN	TBN	TBD	TBN	TBN	TBN	TBN	TBN	TBN
	NRC - Incremental Charge - Manual Order Coordination - per loop	USBMC	TBN	TBN	\$34.22	TBN	TBN	TBN	TBN	TBN	TBN
Loop Distribution per 4-Wire Analog VG Sub-Loop, per month											
	NRC - 1st	USBN4	TBN	TBN	\$8.32	TBN	TBN	TBN	TBN	TBN	TBN
	NRC - Add'l	USBN4	TBN	TBN	\$219.35	TBN	TBN	TBN	TBN	TBN	TBN
	NRC - Disconnect Charge - 1st	USBN4	TBN	TBN	\$72.99	TBN	TBN	TBN	TBN	TBN	TBN
	NRC - Disconnect Charge - Add'l	USBN4	TBN	TBN	\$123.72	TBN	TBN	TBN	TBN	TBN	TBN
	NRC - Incremental Charge - Manual Service Order - 1st	USBN4	TBN	TBN	\$28.77	TBN	TBN	TBN	TBN	TBN	TBN
	NRC - Incremental Charge - Manual Service Order - Add'l	SOMAN	TBN	TBN	NA	TBN	TBN	TBN	TBN	TBN	TBN
	NRC - Incremental Charge - Manual Service Order - Disconnect	SOMAN	TBN	TBN	NA	TBN	TBN	TBN	TBN	TBN	TBN
	NRC - Incremental Charge - Manual Order Coordination - per loop	SOMAN	TBN	TBN	NA	TBN	TBN	TBN	TBN	TBN	TBN
	NRC - Incremental Charge - Manual Order Coordination - per loop	USBMC	TBN	TBN	\$34.22	TBN	TBN	TBN	TBN	TBN	TBN
Loop Distribution per 2 Wire Unbundled Copper Sub-Loop, per month											
	NRC - 1st	UCS2X	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN
	NRC - Add'l	UCS2X	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN
	NRC - Disconnect Charge - 1st	UCS2X	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN
	NRC - Disconnect Charge - Add'l	UCS2X	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN
	NRC - Incremental Charge - Manual Service Order - 1st	UCS2X	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	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
Loop Distribution per 4 Wire Unbundled Copper Sub-Loop, per month											
	NRC - 1st	UCS4X	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN
	NRC - Add'l	UCS4X	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN
	NRC - Disconnect Charge - 1st	UCS4X	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN
	NRC - Disconnect Charge - Add'l	UCS4X	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN
	NRC - Incremental Charge - Manual Service Order - 1st	UCS4X	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	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) (a.k.a., riser cable), 2W analog, per month											
	NRC - 1st	USBR2	TBN	TBN	\$1.61	TBN	TBN	TBN	TBN	TBN	TBN
	NRC - Add'l	USBR2	TBN	TBN	\$137.03	TBN	TBN	TBN	TBN	TBN	TBN
	NRC - Disconnect Charge - 1st	USBR2	TBN	TBN	\$41.59	TBN	TBN	TBN	TBN	TBN	TBN
	NRC - Disconnect Charge - Add'l	USBR2	TBN	TBN	\$115.85	TBN	TBN	TBN	TBN	TBN	TBN
	NRC - Incremental Charge - Manual Service Order - 1st	USBR2	TBN	TBN	\$19.17	TBN	TBN	TBN	TBN	TBN	TBN
	NRC - Incremental Charge - Manual Service Order - Add'l	SOMAN	TBN	TBN	NA	TBN	TBN	TBN	TBN	TBN	TBN
	NRC - Incremental Charge - Manual Service Order - Disconnect	SOMAN	TBN	TBN	NA	TBN	TBN	TBN	TBN	TBN	TBN
	NRC - Incremental Charge - Manual Order Coordination - per loop	SOMAN	TBN	TBN	NA	TBN	TBN	TBN	TBN	TBN	TBN
	NRC - Incremental Charge - Manual Order Coordination - per loop	USBMC	TBN	TBN	\$34.22	TBN	TBN	TBN	TBN	TBN	TBN
Sub-Loop-Intrabuilding Network Cable (a.k.a.,riser cable), 4W analog, per month											
	NRC - 1st	USBR4	TBN	TBN	\$2.96	TBN	TBN	TBN	TBN	TBN	TBN
	NRC - Add'l	USBR4	TBN	TBN	\$176.46	TBN	TBN	TBN	TBN	TBN	TBN
	NRC - Add'l	USBR4	TBN	TBN	\$55.11	TBN	TBN	TBN	TBN	TBN	TBN

ATTACHMENT A

BELLSOUTH/MOMENTUM BUSINESS SOLUTIONS, INC RATES NETWORK ELEMENTS AND OTHER SERVICES

	NRC - Disconnect Charge - 1st	USBR4	TBN	TBN	\$122.17	TBN						
	NRC - Disconnect Charge - Add'l	USBR4	TBN	TBN	\$19.57	TBN						
	NRC - Incremental Charge - Manual Service Order - 1st	SOMAN	TBN	TBN	NA	TBN						
	NRC - Incremental Charge - Manual Service Order - Add'l	SOMAN	TBN	TBN	NA	TBN						
	NRC - Incremental Charge - Manual Service Order - Disconnect	SOMAN	TBN	TBN	NA	TBN						
	NRC - Incremental Charge - Manual Order Coordination - per loop	USBMC	TBN	TBN	\$34.22	TBN						
	SUB-LOOP FEEDER											
	Cross-Box Set-Up											
	NRC - DS0 Set-Up per Cross Box location - CLEC Distribution Facility set-up	USBFW	TBN	TBN	\$421.08	TBN						
	NRC - DS0 Set-Up per Cross Box location - per 25 pair panel set-up	USBFX	TBN	TBN	\$67.10	TBN						
	NRC - DS1 Set-Up per Cross Box location - CLEC Distribution Facility set-up	USBFY	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN
	NRC - DS1 Set-Up per Cross Box location - per pair panel set-up	USBFZ	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN
	2-Wire Analog VG Ground-Start Unbundled Sub-Loop Feeder, per month	USBFA	TBN	TBN	\$8.58	TBN						
	NRC - 1st	USBFA	TBN	TBN	\$206.44	TBN						
	NRC - Add'l	USBFA	TBN	TBN	\$170.05	TBN						
	NRC - Disconnect Charge - 1st	USBFA	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN
	NRC - Disconnect Charge - Add'l	USBFA	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN
	NRC - Incremental Charge - Manual Service Order - 1st	SOMAN	TBN	TBN	\$18.94	TBN						
	NRC - Incremental Charge - Manual Service Order - Add'l	SOMAN	TBN	TBN	\$8.42	TBN						
	NRC - Incremental Charge - Manual Service Order - Disconnect	SOMAN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN
	NRC - Incremental Charge - Manual Order Coordination - per loop	TBD	TBN	TBN	\$34.22	TBN						
	2-Wire Analog VG Loop-Start Unbundled Sub-Loop Feeder, per month	USBFB	TBN	TBN	\$8.58	TBN						
	NRC - 1st	USBFB	TBN	TBN	\$206.44	TBN						
	NRC - Add'l	USBFB	TBN	TBN	\$170.05	TBN						
	NRC - Disconnect Charge - 1st	USBFB	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN
	NRC - Disconnect Charge - Add'l	USBFB	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN
	NRC - Incremental Charge - Manual Service Order - 1st	SOMAN	TBN	TBN	\$18.94	TBN						
	NRC - Incremental Charge - Manual Service Order - Add'l	SOMAN	TBN	TBN	\$8.42	TBN						
	NRC - Incremental Charge - Manual Service Order - Disconnect	SOMAN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN
	NRC - Incremental Charge - Manual Order Coordination - per loop	TBD	TBN	TBN	\$34.22	TBN						
	2-Wire Analog VG Reverse Battery Unbundled Sub-Loop Feeder, per month	USBFC	TBN	TBN	\$8.58	TBN						
	NRC - 1st	USBFC	TBN	TBN	\$206.44	TBN						
	NRC - Add'l	USBFC	TBN	TBN	\$170.05	TBN						
	NRC - Disconnect Charge - 1st	USBFC	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN
	NRC - Disconnect Charge - Add'l	USBFC	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN
	NRC - Incremental Charge - Manual Service Order - 1st	SOMAN	TBN	TBN	\$18.94	TBN						
	NRC - Incremental Charge - Manual Service Order - Add'l	SOMAN	TBN	TBN	\$8.42	TBN						
	NRC - Incremental Charge - Manual Service Order - Disconnect	SOMAN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN
	NRC - Incremental Charge - Manual Order Coordination - per loop	TBD	TBN	TBN	\$34.22	TBN						
	4-Wire Analog VG Ground-Start Unbundled Sub-Loop Feeder, per month	USBFD	TBN	TBN	\$19.91	TBN						
	NRC - 1st	USBFD	TBN	TBN	\$243.41	TBN						
	NRC - Add'l	USBFD	TBN	TBN	\$81.32	TBN						
	NRC - Disconnect Charge - 1st	USBFD	TBN	TBN	\$134.77	TBN						
	NRC - Disconnect Charge - Add'l	USBFD	TBN	TBN	\$33.93	TBN						
	NRC - Incremental Charge - Manual Service Order - 1st	SOMAN	TBN	TBN	NA	TBN						
	NRC - Incremental Charge - Manual Service Order - Add'l	SOMAN	TBN	TBN	NA	TBN						
	NRC - Incremental Charge - Manual Service Order - Disconnect	SOMAN	TBN	TBN	NA	TBN						
	NRC - Incremental Charge - Manual Order Coordination - per loop	TBD	TBN	TBN	\$34.22	TBN						

ATTACHMENT A

BELLSOUTH/MOMENTUM BUSINESS SOLUTIONS, INC RATES NETWORK ELEMENTS AND OTHER SERVICES

4-Wire Analog VG Loop-Start Unbundled Sub-Loop Feeder, per month				USBFE	TBN	TBN	\$19.91	TBN	TBN	TBN	TBN	TBN	TBN
		NRC - 1st		USBFE	TBN	TBN	\$243.41	TBN	TBN	TBN	TBN	TBN	TBN
		NRC - Add'l		USBFE	TBN	TBN	\$81.32	TBN	TBN	TBN	TBN	TBN	TBN
		NRC - Disconnect Charge - 1st		USBFE	TBN	TBN	\$134.77	TBN	TBN	TBN	TBN	TBN	TBN
		NRC - Disconnect Charge - Add'l		USBFE	TBN	TBN	\$33.93	TBN	TBN	TBN	TBN	TBN	TBN
		NRC - Incremental Charge - Manual Service Order - 1st		SOMAN	TBN	TBN	NA	TBN	TBN	TBN	TBN	TBN	TBN
		NRC - Incremental Charge - Manual Service Order - Add'l		SOMAN	TBN	TBN	NA	TBN	TBN	TBN	TBN	TBN	TBN
		NRC - Incremental Charge - Manual Service Order - Disconnect		SOMAN	TBN	TBN	NA	TBN	TBN	TBN	TBN	TBN	TBN
		NRC - Incremental Charge - Manual Order Coordination - per loop		TBD	TBN	TBN	\$34.22	TBN	TBN	TBN	TBN	TBN	TBN
2-Wire ISDN Unbundled Sub-Loop Feeder, per month				USBFF	TBN	TBN	\$17.73	TBN	TBN	TBN	TBN	TBN	TBN
		NRC - 1st		USBFF	TBN	TBN	\$208.50	TBN	TBN	TBN	TBN	TBN	TBN
		NRC - Add'l		USBFF	TBN	TBN	\$62.31	TBN	TBN	TBN	TBN	TBN	TBN
		NRC - Disconnect Charge - 1st		USBFF	TBN	TBN	\$119.68	TBN	TBN	TBN	TBN	TBN	TBN
		NRC - Disconnect Charge - Add'l		USBFF	TBN	TBN	\$29.58	TBN	TBN	TBN	TBN	TBN	TBN
		NRC - Incremental Charge - Manual Service Order - 1st		SOMAN	TBN	TBN	NA	TBN	TBN	TBN	TBN	TBN	TBN
		NRC - Incremental Charge - Manual Service Order - Add'l		SOMAN	TBN	TBN	NA	TBN	TBN	TBN	TBN	TBN	TBN
		NRC - Incremental Charge - Manual Service Order - Disconnect		SOMAN	TBN	TBN	NA	TBN	TBN	TBN	TBN	TBN	TBN
		NRC - Incremental Charge - Manual Order Coordination - per loop		TBD	TBN	TBN	\$34.22	TBN	TBN	TBN	TBN	TBN	TBN
4-Wire DSI Unbundled Sub-Loop Feeder, per month				USBFG	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN
		NRC - 1st		USBFG	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN
		NRC - Add'l		USBFG	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN
		NRC - Disconnect Charge - 1st		USBFG	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN
		NRC - Disconnect Charge - Add'l		USBFG	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		TBD	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN
2-Wire Copper Unbundled Sub-Loop Feeder, per month				USBFH	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN
		NRC - 1st		USBFH	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN
		NRC - Add'l		USBFH	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN
		NRC - Disconnect Charge - 1st		USBFH	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN
		NRC - Disconnect Charge - Add'l		USBFH	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		TBD	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN
4-Wire Copper Unbundled Sub-Loop Feeder, per month				USBFJ	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN
		NRC - 1st		USBFJ	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN
		NRC - Add'l		USBFJ	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN
		NRC - Disconnect Charge - 1st		USBFJ	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN
		NRC - Disconnect Charge - Add'l		USBFJ	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		TBD	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN
4-Wire 2.4 KBPS Digital Unbundled Sub-Loop Feeder, per month				USBFK	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN
		NRC - 1st		USBFK	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN
		NRC - Add'l		USBFK	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN
		NRC - Disconnect Charge - 1st		USBFK	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN

ATTACHMENT A

BELLSOUTH/MOMENTUM BUSINESS SOLUTIONS, INC RATES NETWORK ELEMENTS AND OTHER SERVICES

	NRC - Disconnect Charge - Add'l	USBFK	TBN									
	NRC - Incremental Charge - Manual Service Order - 1st	SOMAN	TBN									
	NRC - Incremental Charge - Manual Service Order - Add'l	SOMAN	TBN									
	NRC - Incremental Charge - Manual Service Order - Disconnect	SOMAN	TBN									
	NRC - Incremental Charge - Manual Order Coordination - per loop	TBD	TBN									
	4-Wire 4.8 KBPS Digital Unbundled Sub-Loop Feeder, per month	USBFL	TBN									
	NRC - 1st	USBFL	TBN									
	NRC - Add'l	USBFL	TBN									
	NRC - Disconnect Charge - 1st	USBFL	TBN									
	NRC - Disconnect Charge - Add'l	USBFL	TBN									
	NRC - Incremental Charge - Manual Service Order - 1st	SOMAN	TBN									
	NRC - Incremental Charge - Manual Service Order - Add'l	SOMAN	TBN									
	NRC - Incremental Charge - Manual Service Order - Disconnect	SOMAN	TBN									
	NRC - Incremental Charge - Manual Order Coordination - per loop	TBD	TBN									
	4-Wire 9.6 KBPS Digital Unbundled Sub-Loop Feeder, per month	USBFM	TBN									
	NRC - 1st	USBFM	TBN									
	NRC - Add'l	USBFM	TBN									
	NRC - Disconnect Charge - 1st	USBFM	TBN									
	NRC - Disconnect Charge - Add'l	USBFM	TBN									
	NRC - Incremental Charge - Manual Service Order - 1st	SOMAN	TBN									
	NRC - Incremental Charge - Manual Service Order - Add'l	SOMAN	TBN									
	NRC - Incremental Charge - Manual Service Order - Disconnect	SOMAN	TBN									
	NRC - Incremental Charge - Manual Order Coordination - per loop	TBD	TBN									
	4-Wire 19.2 KBPS Digital Unbundled Sub-Loop Feeder, per month	USBFN	TBN									
	NRC - 1st	USBFN	TBN									
	NRC - Add'l	USBFN	TBN									
	NRC - Disconnect Charge - 1st	USBFN	TBN									
	NRC - Disconnect Charge - Add'l	USBFN	TBN									
	NRC - Incremental Charge - Manual Service Order - 1st	SOMAN	TBN									
	NRC - Incremental Charge - Manual Service Order - Add'l	SOMAN	TBN									
	NRC - Incremental Charge - Manual Service Order - Disconnect	SOMAN	TBN									
	NRC - Incremental Charge - Manual Order Coordination - per loop	TBD	TBN									
	4-Wire 56 KBPS Digital Unbundled Sub-Loop Feeder, per month	USBFO	TBN									
	NRC - 1st	USBFO	TBN									
	NRC - Add'l	USBFO	TBN									
	NRC - Disconnect Charge - 1st	USBFO	TBN									
	NRC - Disconnect Charge - Add'l	USBFO	TBN									
	NRC - Incremental Charge - Manual Service Order - 1st	SOMAN	TBN									
	NRC - Incremental Charge - Manual Service Order - Add'l	SOMAN	TBN									
	NRC - Incremental Charge - Manual Service Order - Disconnect	SOMAN	TBN									
	NRC - Incremental Charge - Manual Order Coordination - per loop	TBD	TBN									
	4-Wire 64 KBPS Digital Unbundled Sub-Loop Feeder, per month	USBFP	TBN									
	NRC - 1st	USBFP	TBN									
	NRC - Add'l	USBFP	TBN									
	NRC - Disconnect Charge - 1st	USBFP	TBN									
	NRC - Disconnect Charge - Add'l	USBFP	TBN									
	NRC - Incremental Charge - Manual Service Order - 1st	SOMAN	TBN									
	NRC - Incremental Charge - Manual Service Order - Add'l	SOMAN	TBN									
	NRC - Incremental Charge - Manual Service Order - Disconnect	SOMAN	TBN									
	NRC - Incremental Charge - Manual Order Coordination - per loop	TBD	TBN									

ATTACHMENT A

BELLSOUTH/MOMENTUM BUSINESS SOLUTIONS, INC RATES NETWORK ELEMENTS AND OTHER SERVICES

Unbundled Sub-Loop Modification												
	NRC - Load Coil/Equipment Removal per 2 Wire pair	ULM2X	TBN									
	NRC - Load Coil/Equipment Removal per 4 Wire pair	ULM4X	TBN									
	NRC - Bridge Tap Removal per pair unloaded	ULMBT	TBN									
Loop Make Up												
	NRC - Loop Makeup - Preordering Without Reservation, per working facility queried (Manual)	UMKLW	\$134.00	\$134.00	\$134.00	\$134.00	\$134.00	\$134.00	\$134.00	\$134.00	\$134.00	\$134.00
	Loop Makeup - Preordering Without Reservation, per spare facility queried (Manual) Maximum number of spare facilities per manual LMUSI is (3).]	UMKLW	\$134.00	\$134.00	\$134.00	\$134.00	\$134.00	\$134.00	\$134.00	\$134.00	\$134.00	\$134.00
	NRC - Loop Makeup - Preordering With Reservation, per spare facility queried (Manual) Maximum number of spare facilities per manual LMUSI is (3).]	UMKLP	\$140.00	\$140.00	\$140.00	\$140.00	\$140.00	\$140.00	\$140.00	\$140.00	\$140.00	\$140.00
	NRC - Loop Makeup - Preordering Without Reservation, per working facility queried (Mechanized)	TBD	\$1.08	\$1.08	\$1.08	\$1.08	\$1.08	\$1.08	\$1.08	\$1.08	\$1.08	\$1.08
	Loop Makeup - Preordering Without Reservation, per spare facility queried (Mechanized) Maximum number of spare facilities per mechanized LMUSI is (10).]	TBD	\$1.08	\$1.08	\$1.08	\$1.08	\$1.08	\$1.08	\$1.08	\$1.08	\$1.08	\$1.08
	Loop Makeup - Preordering With Reservation, per spare facility queried (Mechanized) Maximum number of spare facilities per mechanized LMUSI is (10).]	TBD	\$1.08	\$1.08	\$1.08	\$1.08	\$1.08	\$1.08	\$1.08	\$1.08	\$1.08	\$1.08
Unbundled Network Terminating Wire, per pair, per month												
	NRC - UNTW Pair, per pair	UENPP	TBN	TBN	\$1.37	TBN						
	NRC - Disconnect Charge, per pair	UENPP	TBN	TBN	\$2.48	TBN						
	NRC - Incremental Charge - Manual Service Order	SOMAN	TBN	TBN	\$1.74	TBN						
	NRC - Incremental Charge - Manual Service Order - Disconnect	SOMAN	TBN	TBN	NA	TBN						
Sub-Loop Concentration - Channelization Sys (Outside CO)												
	NRC - Incremental Charge - Manual Service Order - 1st	SOMAN	\$27.37	TBD	\$18.94	TBD						
	NRC - Incremental Charge - Manual Service Order - Add'l	SOMAN	\$12.97	TBD	\$8.42	TBD						
	TR008 - System A (96 channel capacity - channels 1-96), per month	UCT8A	TBN	\$792.49	\$724.79	\$757.00	TBN	TBN	TBN	TBN	TBN	\$683.78
	NRC - 1st	UCT8A	TBN	\$640.93	\$632.36	\$633.94	TBN	TBN	TBN	TBN	TBN	\$634.31
	NRC - Add'l	UCT8A	TBN	\$315.03	\$310.82	\$311.60	TBN	TBN	TBN	TBN	TBN	\$311.78
	TR008 - System B (96 channel capacity - channels 97-192), per month	UCT8B	TBN	\$155.32	\$92.91	\$95.60	TBN	TBN	TBN	TBN	TBN	\$102.12
	NRC - 1st	UCT8B	TBN	\$640.93	\$632.36	\$633.94	TBN	TBN	TBN	TBN	TBN	\$634.31
	NRC - Add'l	UCT8B	TBN	\$315.03	\$310.82	\$311.60	TBN	TBN	TBN	TBN	TBN	\$311.78
	TR303 - System A (96 channel capacity - channels 1-96), per month	UCT3A	TBN	\$835.72	\$764.42	\$799.95	TBN	TBN	TBN	TBN	TBN	\$726.87
	NRC - 1st	UCT3A	TBN	\$640.93	\$632.36	\$633.94	TBN	TBN	TBN	TBN	TBN	\$634.31
	NRC - Add'l	UCT3A	TBN	\$315.03	\$310.82	\$311.60	TBN	TBN	TBN	TBN	TBN	\$311.78
	TR303 - System B (96 channel capacity - channels 97-192), per month	UCT3B	TBN	\$198.55	\$132.54	\$138.55	TBN	TBN	TBN	TBN	TBN	\$145.21
	NRC - 1st	UCT3B	TBN	\$640.93	\$632.36	\$633.94	TBN	TBN	TBN	TBN	TBN	\$634.31
	NRC - Add'l	UCT3B	TBN	\$315.03	\$310.82	\$311.60	TBN	TBN	TBN	TBN	TBN	\$311.78
	DS1 Feeder Interface, per month	UCTFS	TBN	\$78.43	\$72.12	\$77.02	TBN	TBN	TBN	TBN	TBN	\$76.73
	NRC 1st	UCTFS	TBN	\$422.74	\$425.74	\$418.13	TBN	TBN	TBN	TBN	TBN	\$418.37
	NRC Add'l	UCTFS	TBN	\$200.74	\$198.06	\$198.56	TBN	TBN	TBN	TBN	TBN	\$198.67
	Channel Interface - 2 Wire Voice - Loop Start , per month	TBD	TBN	\$2.62	\$2.38	\$2.68	TBN	TBN	TBN	TBN	TBN	\$2.61
	NRC 1st	TBD	TBN	\$42.39	\$41.82	\$41.92	TBN	TBN	TBN	TBN	TBN	\$41.95
	NRC Add'l	TBD	TBN	\$42.15	\$41.58	\$41.69	TBN	TBN	TBN	TBN	TBN	\$41.71
	Channel Interface - 2 Wire ISDN, per month	ULCC1	TBN	\$10.49	\$9.53	\$10.72	TBN	TBN	TBN	TBN	TBN	\$10.43
	NRC 1st	ULCC1	TBN	\$42.39	\$41.82	\$41.92	TBN	TBN	TBN	TBN	TBN	\$41.95
	NRC Add'l	ULCC1	TBN	\$42.15	\$41.58	\$41.69	TBN	TBN	TBN	TBN	TBN	\$41.71
	Channel Interface - 2 Wire Voice - Ground Start or Reverse Battery, per month	TBD	TBN	\$15.59	\$14.17	\$15.94	TBN	TBN	TBN	TBN	TBN	\$15.51
	NRC 1st	TBD	TBN	\$42.39	\$41.82	\$41.92	TBN	TBN	TBN	TBN	TBN	\$41.95

ATTACHMENT A

BELLSOUTH/MOMENTUM BUSINESS SOLUTIONS, INC RATES NETWORK ELEMENTS AND OTHER SERVICES

	NRC Add'l	TBD	TBN	\$42.15	\$41.58	\$41.69	TBN	TBN	TBN	TBN	\$41.71
	Channel Interface - 4 Wire Voice, per month	ULCC4	TBN	\$9.30	\$8.45	\$9.50	TBN	TBN	TBN	TBN	\$9.26
	NRC 1st	ULCC4	TBN	\$42.39	\$41.82	\$41.92	TBN	TBN	TBN	TBN	\$41.95
	NRC Add'l	ULCC4	TBN	\$42.15	\$41.58	\$41.69	TBN	TBN	TBN	TBN	\$41.71
	Test Circuit, per month	UCTTC	TBN	\$45.46	\$41.30	\$46.44	TBN	TBN	TBN	TBN	\$45.22
	NRC 1st	UCTTC	TBN	\$42.39	\$41.82	\$41.92	TBN	TBN	TBN	TBN	\$41.95
	NRC Add'l	UCTTC	TBN	\$42.15	\$41.58	\$41.69	TBN	TBN	TBN	TBN	\$41.71
	Channel Interface - Digital 56Kbps, per month	ULCC5	TBN	\$13.78	\$12.51	\$14.08	TBN	TBN	TBN	TBN	\$13.71
	NRC 1st	ULCC5	TBN	\$42.39	\$41.82	\$41.92	TBN	TBN	TBN	TBN	\$41.95
	NRC Add'l	ULCC5	TBN	\$42.15	\$41.58	\$41.69	TBN	TBN	TBN	TBN	\$41.71
	Channel Interface - Digital 64Kbps, per month	ULCC6	TBN	\$13.78	\$12.51	\$14.08	TBN	TBN	TBN	TBN	\$13.71
	NRC 1st	ULCC6	TBN	\$42.39	\$41.82	\$41.92	TBN	TBN	TBN	TBN	\$41.95
	NRC Add'l	ULCC6	TBN	\$42.15	\$41.58	\$41.69	TBN	TBN	TBN	TBN	\$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
	NRC - Incremental Charge - Manual Service Order - Add'l	SOMAN	\$12.97	TBD	\$8.42	TBD	\$8.06	\$11.34	TBD	\$13.55	TBD
	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								
	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								
	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								
	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								
	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	TBN								
	NRC 1st	ULCC5	TBN								
	NRC Add'l	ULCC5	TBN								
	Channel Interface - Digital 64Kbps, per month	ULCC6	TBN								
	NRC 1st	ULCC6	TBN								
	NRC Add'l	ULCC6	TBN								
	LINE SHARING										
	System Splitter - 96 Line Capacity in the Central Office										

ATTACHMENT A

BELLSOUTH/MOMENTUM BUSINESS SOLUTIONS, INC RATES NETWORK ELEMENTS AND OTHER SERVICES

	RC - Per month	ULSDA	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$152.73	\$100.00	\$100.00	
	NRC - 1st	ULSDA	\$150.00	\$150.00	\$150.00	\$300.00	\$150.00	\$300.00	\$424.61	\$300.00	\$150.00	
	NRC - Addl	ULSDA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
	NRC - Disconnect	ULSDA	\$150.00	\$150.00	\$150.00	NA	\$150.00	NA	NA	NA	\$150.00	
	System Splitter - 24 Line Capacity in the Central Office											
	RC - Per month	ULSDB	\$25.00	\$25.00	\$25.00	\$25.00	\$25.00	\$25.00	\$38.18	\$25.00	\$25.00	
	NRC - 1st	ULSDB	\$150.00	\$150.00	\$150.00	\$300.00	\$150.00	\$300.00	\$424.61	\$300.00	\$150.00	
	NRC - Addl	ULSDB	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
	NRC - Disconnect	ULSDB	\$150.00	\$150.00	\$150.00	NA	\$150.00	NA	NA	NA	\$150.00	
	Loop Capacity, Per Line Activation in the Central Office											
	RC - Per Month	ULSDC	\$6.00	\$6.00	\$6.00	\$6.00	\$6.00	\$6.00	\$7.10	\$6.00	\$6.00	
	NRC - 1st	ULSDC	\$40.00	\$40.00	\$40.00	\$40.00	\$40.00	\$40.00	\$56.92	\$40.00	\$40.00	
	NRC - Addl	ULSDC	\$22.00	\$22.00	\$22.00	\$22.00	\$22.00	\$22.00	\$28.59	\$22.00	\$22.00	
	Subsequent Activity - Per Line Arrangement											
	NRC - 1st	ULSDS	\$30.00	\$30.00	\$30.00	\$30.00	\$30.00	\$30.00	\$35.14	\$30.00	\$30.00	
	NRC - Addl	ULSDS	\$15.00	\$15.00	\$15.00	\$15.00	\$15.00	\$15.00	\$16.29	\$15.00	\$15.00	
	Loop Capacity, Per Line Activation in the Remote Terminal											
	RC - Per Month		NA	NA	NA	NA	NA	NA	\$9.55	NA	NA	
	NRC - 1st		NA	NA	NA	NA	NA	NA	\$122.12	NA	NA	
	NRC - Addl		NA	NA	NA	NA	NA	NA	\$48.05	NA	NA	
	Line Sharing Splitter - Per CLEC?DLEC Owned Splitter in the Central Office											
	RC - Per Month		NA									
	NRC - 1st		NA	NA	NA	NA	NA	NA	\$146.32	NA	NA	
	NRC - Addl		NA	NA	NA	NA	NA	NA	\$31.37	NA	NA	
	NRC - Incremental Charge - Manual Service Order - 1st	SOMAN	\$47.00	\$47.00	\$18.94	\$47.00	\$18.14	\$25.52	\$47.00	\$47.00	NA	
	NRC - Incremental Charge - Manual Service Order - Add'l	SOMAN	\$21.00	\$21.00	\$8.42	\$21.00	\$8.06	\$11.34	\$21.00	\$25.52	NA	
	NRC - Incremental Charge - Manual Service Order - Disconnect - 1st	SOMAN	\$17.77	NA	\$142.27	\$17.77	\$11.41	\$16.06	NA	\$21.00	NA	
	NRC - Incremental Charge - Manual Service Order - Disconnect - Add'l	SOMAN	\$17.77	NA	\$37.86	\$17.77	\$11.41	\$16.06	NA	\$21.00	NA	
	NRC - Electronic Svc Order, per LSR	SOME C	\$3.50	\$2.77	\$3.50	\$3.50	\$3.50	\$3.50	\$3.50	\$3.50	\$3.50	
	NRC - Electronic Svc Order, per LSR disconnect	SOME C	NA	\$0.43	NA							
	* Rates subject to true-up											